

R22 Dry type water source

Unit model	RLSG-R	200	260	280	320	380	420
Nominal cooling capacity	kW	210	256	279	328	389	420
Input power	kW	38.2	45.5	50	56.7	65.8	71.4
Nominal heating capacity	kW	230	284	310	356	416	454
Running current	A	50.3	60.2	65.6	74.6	86.5	93.9
Max.running current	A	107.9	130.1	141.8	160.9	186.6	203.4
Power voltage							
Refrigerant							
Refrigerant charge		42	51	56	63	75	83
Refrigerant control device							
Compressor Type	Type						
	Qty						
Evaporator	Type						
	Water pressure drop (kPa)						
	water pipe Dia (DN)	80	80	100	100	100	100
	Chilled water (m ³ /h)	36	44	48	56	67	72
	Well Water (m ³ /h)	22	26	29	34	40	43
Condenser Type	Type						
	Water pressure drop (kPa)						
	(DN)	80	80	100	100	100	100
	Hot Water (m ³ /h)	36	44	48	56	67	72
	Well Water (m ³ /h)	22	26	29	34	40	43
Noise	dB(A)	78.4	79	79.2	79.6	80.4	81.5
Unit structure							
Dimensions	L	3000	3000	3000	3000	3000	3000
	W	1300	1300	1300	1350	1350	1350
	H	1650	1650	1650	1650	1800	1800
Install dimension (mm)	L1	2230	2230	2230	2230	2230	2230
	W1	790	790	790	790	880	880
Net weight	kg	1600	1650	1700	1700	1700	1900
Runing weight	kg	1900	2000	2100	2300	2450	2550
Remarks	Cooling conditions: user side inlet/outlet temperature is 12°C/7						
	Heating conditions: user side inlet/outlet temperature is 40°C/-						

heat pump (单压机)

460	540	580	640	720	820	960	1100	1260	1400	1600
458	554	580	642	720	826	978	1109	1260	1430	1620
78.7	94.2	96.4	108.5	121.4	138.4	163	184.2	206.7	229.9	256.9
499	598	612	691	776	892	1050	1190	1340	1522	1706
103.5	123.9	126.7	142.6	159.6	182	214.4	242.2	271.8	302.3	337.7
222.7	266.7	272.3	306.8	343.6	390.6	460.5	520.3	588.8	654.5	714.1

3N-380V-50HZ

R22

92	111	114	128	144	165	196	222	252	282	320
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Electronic expansion valve (EXV)

Semi-hermetic screw

1

Shell & tube type

70-90

100	125	125	150	150	150	150	150	200	200	200
79	100	98	110	124	142	168	191	217	246	279
47	60	59	66	74	85	101	114	130	147	167

Shell & tube type

70-90

100	125	125	150	150	150	150	150	200	200	200
79	100	98	110	124	142	168	191	217	246	279
47	60	59	66	74	85	101	114	130	147	167
83.1	84.2	85.2	86.3	86.6	87.1	87.6	88.4	89.2	90	91

Horizontal type

3000	3400	3400	3500	3500	3500	3600	3600	4200	4200	4200
1350	1450	1450	1450	1500	1500	1600	1600	1640	1640	1700
1800	1800	1800	1850	1850	1850	1950	1950	1900	1900	1900
2230	2735	2735	2735	2735	2735	2735	2735	3435	3455	3435
880	880	880	1300	1300	1300	1300	1300	1350	1350	1350
2300	2400	2600	2800	3100	3400	3700	4000	4300	4600	5200
2850	2950	3200	3400	3800	4600	5200	5600	6000	6500	6900

°C,well water inlet/outlet temperature 18°C/29°C

-°C,well water inlet/outlet temperature 15°C/--°C

R22 Dry type water source

Unit model	RLSG-R	400	480	560	640	760	800
Nominal cooling capacity	kW	420	512	558	656	778	840
Input power	kW	76.4	91	100	113.4	131.6	142.8
Nominal heating capacity	kW	460	568	620	712	832	908
Running current	A	100.6	120.4	131.2	149.2	173	187.8
Max.running current	A	215.8	260.2	283.6	321.8	373.2	406.8
Power voltage							
Refrigerant							
Refrigerant charge		84	102	113	127	150	166
Refrigerant control device							
Compressor Type	Type						
	Qty						
Evaporator	Type						
	Water pressure drop (kPa)						
	Water pipe Dia (DN)	100	125	125	150	150	150
	Chilled Water (m ³ /h)	72	88	96	113	134	144
	Well Water (m ³ /h)	43	53	57	68	80	87
Condenser Type	Type						
	Water pressure drop (kPa)						
	Water pipe Dia (DN)	100	125	125	150	150	150
	Hot Water (m ³ /h)	72	88	96	113	134	144
	Well Water (m ³ /h)	43	53	57	68	80	87
Noise	dB(A)	78.4	79	79.2	79.6	80.4	81.5
Unit structure							
	L	3650	3650	3650	3650	3750	4400

Dimensions	W	1400	1400	1400	1500	1500	1500
	H	1600	1600	1600	1800	1900	1900
Install dimension (mm)	L1	2735	2735	2735	2735	2735	3435
	W1	1000	1000	1000	1035	1140	1140
Net weight	kg	2600	2800	3000	3100	3750	4000
Runing weight	kg	3150	3400	3700	4000	4750	5000
Remarks	Cooling conditions: user side inlet/outlet temperature is 12°						
	Heating conditions: user side inlet/outlet temperature is 40°						

Source heat pump (双压机)

920	1000	1160	1280	1440	1640	1880	2200	2400	2800	3200
916	1108	1160	1284	1440	1652	1956	2218	2520	2860	3240
157.4	188.4	192.8	217	242.8	276.8	326	368.4	413.4	459.8	513.8
998	1196	1224	1382	1552	1784	2100	2380	2680	3044	3412
207	247.8	253.4	285.2	319.2	364	428.8	484.4	543.6	604.6	675.4
445.4	533.4	544.6	613.6	687.2	781.2	921	1040.6	1177.6	1309.0	1428.2

3N-380V-50HZ

R22

183	222	228	257	288	330	391	444	504	563	640
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Electronic expansion valve (EXV)

Semi-hermetic screw

2

Shell & tube type

70-90

150	150	150	200	200	200	200	200	250	250	250
158	191	200	221	248	284	336	381	433	492	557
94	114	119	132	148	170	201	228	260	295	334

Shell & tube type

70-90

150	150	150	200	200	200	200	200	250	250	250
158	191	200	221	248	284	336	381	433	492	557
94	114	119	132	148	170	201	228	260	295	334
83.1	84.2	85.2	86.3	86.6	87.1	87.6	88.4	89.2	90	91

Horizontal type

4400	4500	4500	4500	4500	4500	4550	4550	4550	4550	4550
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1500	1700	1700	1700	1700	1700	1920	1920	1920	1920	1920
1900	2050	2050	2050	2050	2050	2000	2000	2000	2000	2000
3435	3435	3435	3435	3435	3435	3435	3435	3435	3435	3435
1140	1140	1140	1350	1350	1350	1350	1750	1780	1780	1780
4200	4400	4800	5000	5500	5900	6200	6800	7400	8000	8500
5300	5800	6200	6500	7100	7500	7700	8400	9200	9700	10300

C/7°C,well water inlet/outlet temperature 18°C/29°C

C/--°C,well water inlet/outlet temperature 15°C/--°C

R22 Flooded type water source							
Unit model	RLSG-RM	220	280	300	360	420	460
Nominal cooling capacity	kW	230	282	312	360	431	465
Input power	kW	38.3	45.9	50.1	56.9	66	71.6
Nominal heating capacity	kW	249	310	335	386	445	482
Running current	A	50.6	60.6	66.1	75	87	94.4
Max.running current	A	107.9	130.1	141.8	160.9	186.6	203.4
Power voltage							
Refrigerant							
Refrigerant charge		83	102	112	128	149	160
Refrigerant control device							
Compressor Type	Type						
	Qty						
Evaporator	Type						
	Water pressure drop (kPa)						
	water pipe Dia (DN)	80	100	100	100	100	100
	Chilled water (m ³ /h)	40	49	54	62	74	80
	Well Water (m ³ /h)	24	29	32	37	44	48
Condenser Type	Type						
	Water pressure drop (kPa)						
	water pipe Dia (DN)	80	100	100	100	100	100
	Hot Water (m ³ /h)	40	49	54	62	74	80
	Well Water (m ³ /h)	24	29	32	37	44	48
Noise	dB(A)	78.4	79	79.2	79.6	80.4	81.5
Unit structure							
Dimensions	L	3400	3400	3400	3400	3400	3400
	W	1450	1460	1460	1460	1500	1500
	H	2100	2100	2100	2100	2100	2100
Install dimension (mm)	L1	2735	2735	2735	2735	2735	2735
	W1	1150	1150	1150	1150	1300	1300
Net weight	kg	2000	2200	2300	2300	2600	2900
Runing weight	kg	2350	2550	2650	2650	3200	3500
Remarks	Cooling conditions: user side inlet/outlet temperature is 12°C/7°C						
	Heating conditions: user side inlet/outlet temperature is 40°C/--°C						

ce heat pump (满液式单压机)

500	620	660	700	800	940	1000	1100	1200	1400	1600	1800
513	619	648	716	806	938	1010	1107	1240	1398	1595	1790
78.9	94.4	96.6	108.7	121.7	138.7	149.6	163.4	184.6	207.2	230.4	257.4
530	626	658	738	828	952	1030	1160	1300	1468	1632	1868
104	124.6	127.5	143.4	160.5	183	197.4	215.6	243.6	273.3	304	339.6
222.7	266.7	272.3	306.8	343.6	390.6	421.4	460.5	520.3	588.8	654.5	714.1

3N-380V-50HZ

R22

177	211	222	251	280	320	355	395	446	503	573	644
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Electronic expansion valve (EXV)

Semi-hermetic screw

1

Shell & tube type

70-90

100	125	125	125	150	150	150	150	200	200	200	200
88	106	111	123	139	161	174	190	213	240	274	308
53	64	67	74	83	97	104	114	128	144	164	184

Shell & tube type

70-90

100	125	125	125	150	150	150	150	200	200	200	200
88	106	111	123	139	161	174	190	213	240	274	308
53	64	67	74	83	97	104	114	128	144	164	184
83.1	84.2	85.2	86.3	86.6	87.1	87.3	87.6	88.4	89.2	90	91

Horizontal type

3400	3400	3400	3400	3500	3500	3500	3500	3500	3500	3500	3500
1600	1600	1600	1610	1700	1700	1720	1720	1770	1810	1920	1950
2100	2100	2100	2100	2150	2150	2150	2150	2200	2250	2250	2900
2735	2735	2735	2735	2735	2735	2735	2735	2735	2735	2735	2735
1300	1300	1300	1300	1400	1400	1400	1450	1450	1500	1500	1500
3200	3300	3400	3500	3550	3600	4000	4200	4500	4800	5000	5700
4000	4100	4200	4600	5050	5100	5550	5750	6300	6700	7300	7600

,well water inlet/outlet temperature 18°C/29°C

,well water inlet/outlet temperature 15°C/--°C

R22 Flooded					
Unit model	RLSG-RM	440	540	600	720
Nominal cooling capacity	kW	460	564	624	720
Input power	kW	76.6	91.8	100.2	113.8
Nominal heating capacity	kW	498	620	670	772
Running current	A	101.2	121.2	132.2	150
Max.running current	A	215.8	260.2	283.6	321.8
Power voltage					
Refrigerant					
Refrigerant charge		166	203	225	256
Refrigerant control device					
Compressor Type	Type				
	Qty				
Evaporator	Type				
	Water pressure drop (kPa)				
	Water pipe Dia (DN)	100	125	125	125
	Chilled Water (m ³ /h)	79	97	107	124
	Well Water (m ³ /h)	47	58	64	74
Condenser Type	Type				
	Water pressure drop (kPa)				
	Water pipe Dia (DN)	100	125	125	125
	Hot Water (m ³ /h)	79	97	107	124
	Well Water (m ³ /h)	47	58	64	74
Noise	dB(A)	78.4	79	79.2	79.6
Unit structure					
Dimensions	L	4100	4100	4100	4150
	W	1600	1600	1600	1600
	H	2100	2100	2100	2100
Install dimension (mm)	L1	3435	3435	3435	3435

Install dimension (mm)	W1	1300	1300	1320	1300
Net weight	kg	3400	3700	4000	4200
Runing weight	kg	4300	4600	4900	5200
Remarks	Cooling conditions: user side inlet/outlet temperature is 1				
	Heating conditions: user side inlet/outlet temperature is 4				

1350	1350	1350	1380	1450	1450	1550	1550	1700
4500	4800	5000	5200	5500	5700	6000	6300	6500
5600	6100	6400	7000	7400	7600	7900	8300	8600

2°C/7°C,well water inlet/outlet temperature 18°C/29°C

10°C/--°C,well water inlet/outlet temperature 15°C/--°C

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2200	2400	2800	3200	3600
2214	2480	2796	3190	3580
326.8	369.2	414.4	460.8	514.8
2320	2600	2936	3264	3736
431.2	487.2	546.6	608	679.2
921	1040.6	1177.6	1309	1428.2

790	891	1005	1147	1287
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250	250	250	250	250
381	427	481	549	616
228	255	288	329	369

250	250	250	250	250
381	427	481	549	616
228	255	288	329	369
87.6	88.4	89.2	90	91

5000	5000	5300	5300	5800
1930	2000	2400	2400	2400
2300	2410	2530	2530	2750
3435	3435	3435	3435	3435

1700	1700	1700	1700	1700
6900	7100	8400	8600	10000
8900	9200	10300	10900	12300

R22 falling film type water s

Unit model	RLSG-RJ	220	280	300	360	420	460
Nominal cooling capacity	kW	230	282	312	360	431	465
Input power	kW	38.3	45.9	50.1	56.9	66	71.6
Nominal heating capacity	kW	249	310	335	386	445	482
Running current	A	50.6	60.6	66.1	75	87	94.4
Max.running current	A	107.9	130.1	141.8	160.9	186.6	203.4
Power voltage							
Refrigerant							
Refrigerant charge		83	102	112	128	149	160
Refrigerant control device							
Compressor Type	Type						
	Qty						
Evaporator	Type						
	Water pressure drop (kPa)						
	water pipe Dia (DN)	80	100	100	100	100	100
	Cooled water (m ³ /h)	40	49	54	62	74	80
	Well Water (m ³ /h)	24	29	32	37	44	48
Condenser Type	Type						
	Water pressure drop (kPa)						
	water pipe Dia (DN)	80	100	100	100	100	100
	Hot Water (m ³ /h)	40	49	54	62	74	80
	Well Water (m ³ /h)	24	29	32	37	44	48
Noise	dB(A)	78.4	79	79.2	79.6	80.4	81.5
Unit structure							
Dimensions	L	3400	3400	3400	3400	3400	3400
	W	1450	1460	1460	1460	1500	1500

	H	2100	2100	2100	2100	2100	2100
Install dimension (mm)	L1	2735	2735	2735	2735	2735	2735
	W1	1150	1150	1150	1150	1300	1300
Net weight	kg	2000	2200	2300	2400	2600	2900
Runing weight	kg	2350	2550	2650	2750	3500	3500
Remarks	Cooling conditions: user side inlet/outlet temperature is 12°C/7°C						
	Heating conditions: user side inlet/outlet temperature is 40°C/--°						

Source heat pump (降膜单压机)

500	620	660	700	800	940	1000	1100	1200	1400	1600	1800
513	619	648	716	806	938	1010	1107	1240	1398	1595	1790
78.9	94.4	96.6	108.7	121.7	138.7	149.6	163.4	184.6	207.2	230.4	257.4
530	626	658	738	828	952	1030	1160	1300	1468	1632	1868
104	124.6	127.5	143.4	160.5	183	197.4	215.6	243.6	273.3	304	339.6
222.7	266.7	272.3	306.8	343.6	390.6	421.4	460.5	520.3	588.8	654.5	714.1

3N-380V-50HZ

R22

177	211	222	251	280	320	355	395	446	503	573	644
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Electronic expansion valve (EXV)

Semi-hermetic screw

1

Shell & tube type

70-90

100	125	125	125	150	150	150	150	200	200	200	200
88	106	111	123	139	161	174	190	213	240	274	308
53	64	67	74	83	97	104	114	128	144	164	184

Shell & tube type

70-90

100	125	125	125	150	150	150	150	200	200	200	200
88	106	111	123	139	161	174	190	213	240	274	308
53	64	67	74	83	97	104	114	128	144	164	184
83.1	84.2	85.2	86.3	86.6	87.1	87.3	87.6	88.4	89.2	90	91

Horizontal type

3400	3400	3400	3400	3500	3500	3500	3500	3500	3500	3500	3500
1600	1600	1600	1610	1700	1700	1720	1720	1770	1810	1920	1950

2100	2100	2100	2100	2150	2150	2150	2150	2200	2250	2250	2900
2735	2735	2735	2735	2735	2735	2735	2735	2735	2735	2735	2735
1300	1300	1300	1300	1400	1400	1400	1450	1450	1500	1500	1500
3200	3300	3400	3500	3550	3600	4000	4200	4500	4800	5000	5600
4000	4100	4200	4600	5050	5100	5550	5750	6300	6700	7300	7600

2,well water inlet/outlet temperature 18°C/29°C

C,well water inlet/outlet temperature 15°C/--°C

R22 falling film type water sou

Unit model	RLSG-RJ	440	540	600	720	840	920
Nominal cooling capacity	kW	460	564	624	720	862	930
Input power	kW	76.6	91.8	100.2	113.8	132	143.2
Nominal heating capacity	kW	498	620	670	772	890	964
Running current	A	101.2	121.2	132.2	150	174	188.8
Max.running current	A	215.8	260.2	283.6	321.8	373.2	406.8
Power voltage							
Refrigerant							
Refrigerant charge		166	203	225	256	297	320
Refrigerant control device							
Compressor Type	Type						
	Qty						
Evaporator	Type						
	Water pressure drop (kPa)						
	water pipe Dia (DN)	100	125	125	125	125	125
	Chilled water (m ³ /h)	79	97	107	124	148	160
	Well Water (m ³ /h)	47	58	64	74	89	96
Condenser Type	Type						
	Water pressure drop (kPa)						
	water pipe Dia (DN)	100	125	125	125	125	125
	Hot Water (m ³ /h)	79	97	107	124	148	160
	Well Water (m ³ /h)	47	58	64	74	89	96
Noise	dB(A)	78.4	79	79.2	79.6	80.4	81.5
Unit structure							
Dimensions	L	4100	4100	4100	4150	4200	4200
	W	1600	1600	1600	1600	1600	1600
	H	2100	2100	2100	2100	2100	2100
Install dimension (mm)	L1	3435	3435	3435	3435	3435	3435
	W1	1300	1300	1320	1300	1350	1350
Net weight	kg	3400	3700	4000	4200	4500	4800
Runing weight	kg	4300	4600	4900	5200	5600	6100
Remarks	Cooling conditions: user side inlet/outlet temperature is 12°C/						
	Heating conditions: user side inlet/outlet temperature is 40°C/						

Airce heat pump ((降膜双压机)											
1000	1240	1320	1400	1600	1880	2000	2200	2400	2800	3200	3600
1026	1238	1296	1432	1612	1876	2020	2214	2480	2796	3190	3580
157.8	188.8	193.2	217.4	243.4	277.4	299.2	326.8	369.2	414.4	460.8	514.8
1060	1252	1316	1476	1656	1904	2060	2320	2600	2936	3264	3736
208	249.2	255	286.8	321	366	394.8	431.2	487.2	546.6	608	679.2
445.4	533.4	544.6	613.6	687.2	781.2	824.4	921	1041	1178	1309	1428
3N-380V-50HZ											
R22											
354	423	445	501	560	639	711	790	891	1005	1147	1287
Electronic expansion valve (EXV)											
Semi-hermetic screw											
2											
Shell & tube type											
70-90											
150	150	200	200	200	0	250	250	250	250	250	250
176	213	223	246	277	323	347	381	427	481	549	616
106	128	133	147	166	193	208	228	255	288	329	369
Shell & tube type											
70-90											
150	150	200	200	200	0	250	250	250	250	250	250
176	213	223	246	277	323	347	381	427	481	549	616
106	128	133	147	166	193	208	228	255	288	329	369
83.1	84.2	85.2	86.3	86.6	87.1	87.3	87.6	88.4	89.2	90	91
Horizontal type											
4200	4300	4400	4500	4500	5000	5000	5000	5000	5300	5300	5800
1680	1680	1750	1750	1750	1750	1870	1930	2000	2400	2400	2400
2150	2150	2150	2150	2200	2150	2300	2300	2410	2530	2530	2750
3435	3435	3435	3435	3435	3435	3435	3435	3435	3435	3435	3435
1350	1380	1450	1450	1550	1550	1700	1700	1700	1700	1700	1700
5000	5200	5500	5700	6000	6300	6500	6900	7100	8400	8600	10000
6400	7000	7400	7600	7900	8300	8600	8900	9200	10300	10900	12300
7°C,well water inlet/outlet temperature 18°C/29°C											
/--°C,well water inlet/outlet temperature 15°C/--°C											