

R134a Dry type water source heat pump

Unit model	RLSG-AR	220	240	280	300	340	360	400	460	520	580	640	740	860	940	1200	
Nominal cooling capacity	kW	216	248	280	304	347	376	411	461	529	590	632	738	850	930	1080	
Input power	kW	36.4	41.8	45.2	50.5	57	61.6	66.5	74.1	84.9	92.8	100.8	114.8	133	144.9	164.9	
Nominal heating capacity	kW	228	267	289	328	371	400	437	484	550	616	668	770	901	996	1146	
Running current	A	49.3	56.7	61.2	68.4	77.2	83.4	90	100.4	115	125.7	136.5	155.6	180.2	196.3	223.5	
Max.running current	A	122.9	141.2	151.7	168.4	190.1	205.9	221.8	247.2	280.3	306.1	332.5	378.8	451.8	490	548.4	
Power voltage	3N-380V-50HZ																
Refrigerant	R134a																
Refrigerant charge	40	47	52	58	66	72	77	87	102	110	119	140	160	174	201		
Refrigerant control device	Electronic expansion valve (EXV)																
Compressor Type	Type	Semi-hermetic screw															
	Qty	1															
Evaporator	Type	Shell & tube type															
	Water pressure drop (kPa)	70-90															
	Water pipe Dia (DN)	100	100	100	100	100	100	100	100	100	125	125	125	150	150	150	150
	Chilled Water (m ³ /h)	37	43	48	52	60	65	71	79	91	101	109	127	146	160	186	
	Well Water (m ³ /h)	22	26	29	31	36	39	42	47	54	61	65	76	88	96	111	
	Type	Shell & tube type															

Condenser Type	Water pressure drop (kPa)	70-90															
	Water pipe Dia (DN)	100	100	100	100	100	100	100	100	100	125	125	125	150	150	150	150
	Hot water (m ³ /h)	37	43	48	52	60	65	71	79	91	101	109	127	146	160	186	
	Well water (m ³ /h)	22	26	29	31	36	39	42	47	54	61	65	76	88	96	111	
Noise	dB(A)	79.6	80.4	81.5	83.1	84.2	85.2	86.3	86.9	87.1	87.3	87.6	88.4	89.2	90	91	
Unit structure		Horizontal type															
Dimensions	L	3000	3000	3000	3000	3000	3000	3000	3000	3400	3400	3500	3500	3500	3500	3500	
	W	1350	1350	1350	1350	1450	1450	1450	1450	1450	1600	1600	1600	1600	1600	1600	
	H	1600	1600	1650	1650	1650	1800	1800	1800	1800	1800	1850	1850	1850	1950	1950	
Install dimension (mm)	L1	2230	2230	2230	2230	2230	2230	2230	2230	2735	2735	2735	2735	2735	2735	2735	
	W1	790	790	790	790	880	880	880	880	880	1300	1300	1300	1300	1300	1300	
Net weight	kg	1700	1800	1850	1950	1900	2100	2250	2450	2650	2850	3100	3300	3500	3700	4300	
Runing weight	kg	2150	2350	2500	2700	2800	3050	3300	3700	3950	4250	4350	4600	4900	5300	5900	

R134a Dry type water source heat pump

Unit model	RLSG-AR	440	480	560	600	680	720	800	920	1040	1160	1280	1480	1720	1880	2400
Nominal cooling capacity	kW	432	496	560	608	694	752	822	922	1058	1180	1264	1476	1700	1860	2160
Input power	kW	72.8	83.6	90.4	101	114	123.2	133	148.2	169.8	185.6	201.6	229.6	266	289.8	329.8
Nominal heating capacity	kW	456	534	578	656	742	800	874	968	1100	1232	1336	1540	1802	1992	2292
Running current	A	98.6	113.4	122.4	136.8	154.4	166.8	180	200.8	230	251.4	273	311.2	360.4	392.6	447
Max.running current	A	245.8	282.4	303.4	336.8	380.2	411.8	443.6	494.4	560.6	612.2	665	757.6	903.6	980	1097
Power voltage	3N-380V-50HZ															
Refrigerant	R134a															
Refrigerant charge	80	94	103	115	132	143	155	174	203	219	238	279	319	348	402	
Refrigerant control device	Electronic expansion valve (EXV)															
Compressor Type	Type	Semi-hermetic screw														
	Qty	2														
Evaporator	Type	Shell & tube type														
	Water pressure drop (kPa)	70-90														
	(DN)	100	125	125	125	150	150	150	150	150	150	200	200	200	200	250
	(m ³ /h)	74	85	96	105	119	129	141	159	182	203	217	254	292	320	372
	Well Water (m ³ /h)	44	51	58	63	71	77	85	95	109	122	130	152	175	192	222
Condenser Type	Type	Shell & tube type														
	Water pressure drop (kPa)	70-90														
	(DN)	100	125	125	125	150	150	150	150	150	150	200	200	200	200	250
	Hot Water (m ³ /h)	74	85	96	105	119	129	141	159	182	203	217	254	292	320	372

	Well Water (m ³ /h)	44	51	58	63	71	77	85	95	109	122	130	152	175	192	222
Noise	dB(A)	79.6	80.4	81.5	83.1	84.2	85.2	86.3	86.9	87.1	87.3	87.6	88.4	89.2	90	91
Unit structure	Horizontal type															
Dimensions	L	3650	3750	4400	4400	4500	4500	4500	4500	4500	4750	4750	4750	4750	4750	4750
	W	1500	1500	1500	1500	1700	1700	1700	1700	1700	1900	1900	1900	1900	1900	1900
	H	1800	1900	1900	1900	2050	2050	2050	2050	2050	2000	2000	2000	2000	2000	2000
Install dimension (mm)	L1	2735	2735	2735	2735	2735	3435	3435	3435	3435	3435	3435	3435	3435	3435	3435
	W1	1140	1140	1140	1140	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
Net weight	kg	3100	3750	4000	4200	4400	4800	5000	5500	5900	6200	6600	7000	7400	8000	8700
Runing weight	kg	4250	5050	5300	5600	5800	6200	6600	7200	7500	7800	8300	8700	9100	9700	10500

R134a flood type water source heat pump

Unit model	RLSG-AR	240	260	280	300	340	380	400	440	550	600	660	720	840	940	1000	1200	
Nominal cooling capacity	kW	238	260	282	313	336	380	419	460	519	595	660	709	832	949	1048	1208	
Input power	kW	37.4	39.4	43.8	47.1	51	57.1	62.9	67.4	76.1	87	97.7	104.2	120.8	137.9	153.8	175.9	
Nominal heating capacity	kW	242	255	279	301	340	382	408	446	496	563	628	698	808	936	1023	1206	
Running current	A	49.3	52	56.6	61.1	69	77.3	82.5	90	100.3	113.8	125.6	134.4	155.5	180	193.1	223.3	
Max.running curr	A	122.9	130.3	141.2	151.7	168.4	190.1	205.9	221.8	247.2	280.3	306.1	332.5	378.8	451.8	490	548.4	
Power voltage	3N-380V-50HZ																	
Refrigerant	R134a																	
Refrigerant charge	84	89	96	104	117	132	140	153	171	194	213	239	277	320	349	398		
Refrigerant control device	Electronic expansion valve (EXV)																	
Compressor Type	Type	Semi-hermetic screw																
	Qty	1																
Evaporator	Type	Shell & tube type																
	Water pressure drop (kPa)	70-90																
	water pipe Dia (DN)	100	100	100	100	100	100	100	100	100	100	125	125	125	150	150	150	150
	Chilled water (m ³ /h)	41	45	49	54	58	65	72	79	89	102	114	122	143	163	180	208	
Well Water (m ³ /h)	25	27	29	32	35	39	43	47	53	61	68	73	86	98	108	124		
Condenser Type	Type	Shell & tube type																
	Water pressure drop (kPa)	70-90																
	water pipe Dia (DN)	100	100	100	100	100	100	100	100	100	100	125	125	125	150	150	150	150

	Hot Water (m ³ /h)	40	42	46	50	56	63	67	73	82	93	102	114	132	153	167	190
	Well Water (m ³ /h)	24	25	28	30	34	38	40	44	49	55	61	68	79	92	100	114
Noise	dB(A)	79.6	79.9	80.4	81.5	83.1	84.2	85.2	86.3	86.9	87.1	87.3	87.6	88.4	89.2	90	91
Unit structure		Horizontal type															
Dimensions	L	3000	3000	3000	3000	3000	3000	3000	3000	3400	3400	3500	3500	3500	3500	3500	3500
	W	1350	1350	1350	1350	1450	1450	1450	1450	1450	1600	1600	1600	1600	1600	1600	1810
	H	1600	1600	1650	1650	1650	1800	1800	1800	1800	1800	1850	1850	1850	1950	1950	2250
Install dimension	L1	2230	2230	2230	2230	2230	2230	2230	2230	2735	2735	2735	2735	2735	2735	2735	2735
	W1	1155	1155	1155	1155	1310	1310	1310	1310	1310	1400	1400	1400	1400	1400	1400	1600
Net weight	kg	1700	1800	1850	1950	2100	2400	2700	2900	3200	3600	3900	4100	4300	4600	4800	5200
Runing weight	kg	2050	2250	2400	2600	2850	3150	3500	3800	4100	4500	5100	5550	5750	6100	6400	6700

R134a flood type water source heat pump

Unit model	RLSG-AR	480	520	560	600	680	760	800	880	1000	1200	1320	1440	1680	1880	2000	2400
Nominal cooling capacity	kW	476	520	564	626	672	760	838	920	1038	1190	1320	1418	1664	1898	2096	2416
Input power	kW	74.8	78.8	87.6	94.2	102	114.2	125.8	134.8	152.2	174	195.4	208.4	241.6	275.8	307.6	351.8
Nominal heating capacity	kW	484	510	558	602	680	764	816	892	992	1126	1256	1396	1616	1872	2046	2412
Running current	A	98.6	104	113.2	122.2	138	154.6	165	180	200.6	227.6	251.2	268.8	311	360	386.2	446.6
Max.running curr	A	245.8	260.6	282.4	303.4	336.8	380.2	411.8	443.6	494.4	560.6	612.2	665	757.6	903.6	980	1097
Power voltage	3N-380V-50HZ																
Refrigerant	R134a																
Refrigerant charge	167	177	193	208	235	264	281	306	341	387	427	478	554	641	698	796	
Refrigerant control device	Electronic expansion valve (EXV)																
Compressor Type	Type	Semi-hermetic screw															
	Qty	2															
Evaporator	Type	Shell & tube type															
	Water pressure drop (kPa)	70-90															
	Water pipe Dia (DN)	100	100	125	125	125	150	150	150	150	150	200	200	200	200	200	200
	Chilled Water (m ³ /h)	82	89	97	108	119	131	144	158	179	205	227	244	286	326	361	416
	Warm water (m ³ /h)	49	54	58	64	69	78	86	95	107	123	136	146	171	195	216	249
	Type	Shell & tube type															

Condenser Type	Water pressure drop (kPa)	70-90															
	Water pipe Dia (DN)	100	100	125	125	125	150	150	150	150	150	200	200	200	200	200	200
	Hot Water (m ³ /h)	82	89	97	108	116	131	144	158	179	205	227	244	286	326	361	416
	Well Water (m ³ /h)	49	54	58	64	69	78	86	95	107	123	136	146	171	195	216	249
Noise	dB(A)	79.6	79.9	80.4	81.5	83.1	84.2	85.2	86.3	86.9	87.1	87.3	87.6	88.4	89.2	90	91
Unit structure		Horizontal type															
Dimensions	L	4100	4150	4150	4200	4200	4300	4400	4400	4500	5000	5000	5000	5000	5300	5300	5800
	W	1600	1600	1600	1600	1600	1600	1680	1680	1680	1750	2000	2000	2000	2000	2000	2200
	H	2100	2100	2100	2100	2100	2100	2100	2150	2150	2150	2250	2250	2410	2530	2600	2800
Install dimension	L1	3435	3435	3435	3435	3435	3435	3435	3435	3435	4235	4235	4235	4235	4235	4235	4235
	W1	1130	1130	1130	1130	1130	1130	1400	1400	1400	1400	1500	1500	1500	1700	1700	1700
Net weight	kg	3500	3700	4200	4500	4700	5300	5500	5500	5800	6000	6200	6400	7100	8400	9000	10000
Runing weight	kg	4300	4500	5650	5750	5900	6500	7000	7300	7500	7700	7900	8100	8800	10100	10600	11700