

-20°C outlet water R22 screw type water chiller

Unit Model	RLSG-D	40	50	70	75	90	95	110	
Nominal Cooling	kW	35.2	48.6	64	68.6	86.1	91.9	108.4	
Input Power	kW	19.8	26.2	32.9	36.2	43.4	47.7	53.8	
Running Current	A	35.2	46.8	60.1	64.7	77.9	83.8	94.6	
Max.Running	A	50.0	66.0	83.6	91.3	110.6	120.1	135.9	
Cable Diameter	mm ²	3*16+2*10	3*25+2*16	3*25+2*16	3*35+2*16	3*35+2*16	3*50+2*25	3*50+2*25	
Power voltage	3-380V-50Hz								
Starting mode	Y-▲								
Refrigerant	R22								
Refrigerant Charge		6	8	11	12	15	16	19	
Refrigerant Control Device	Electronic Expansion Valve (EXV)								
Compressor	Type		Semi-hermetic screw						
	Compressor	Qty	1						
Evaporator	Type		Shell & tube type						
	Water pressure drop	kPa	< 200						
	Water pipe	DN	80	80	80	80	80	100	100
	Water flow	m ³ /h	6	8	11	12	15	16	19
Condenser Type	Type		Shell & tube type						
	Water pressure drop	kPa	70-90						
	Water pipe	DN	80	80	80	80	80	100	100

	Water flow	m ³ /h	9	13	17	18	22	24	28
Noise		dB(A)	73.1	73.7	74.8	78.4	79	79.2	79.6
Unit Structure	Horizontal type								
Dimensions (mm)	L		2400	2400	3000	3000	3000	3000	3000
	W		1250	1250	1250	1250	1250	1300	1350
	H		1650	1650	1650	1650	1650	1650	1650
Install Dimension (mm)	L1		2230	2230	2230	2230	2230	2230	2230
	W1		790	790	790	790	790	790	790
Net weight		kg	1400	1400	1600	1600	1650	1700	1700
Running weight		kg	1700	1700	1900	1950	2050	2150	2350
Note:	Cooling d Chilled water inlet/outlet temperature -5°C/-10°C, cooling water inlet/outlet temperature								

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Unit Model	RLSG-D	140	150	160	190	200	220	250	
Nominal Cooling Capacity	kW	127	137	149	181	189	209	235	
Input Power	kW	62.4	67.7	77.5	89.3	91.4	102.8	115	
Running Current	A	109.4	117.5	127.2	152.2	158.1	175.6	196.1	
Max.Running Current	A	157.5	170.6	187.3	224.3	229.5	258.1	288.9	
Cable Diameter	mm ²	3*70+2*35	3*70+2*35	3*95+2*50	3*120+2*50	3*120+2*50	3*150+2*70	3*150+2*70	
Power voltage	3-380v-50Hz								
Starting mode	Y-▲								
Refrigerant	R22								
Refrigerant Charge		22	23	26	31	32	36	40	
Refrigerant Control Device	Electronic Expansion Valve(EXV)								
Compressor	Type	Semi-hermetic screw							
	Compressor	Qty	1						
Evaporator	Type	Shell & tube type							
	Water pressure drop	kPa	<200						
	Water pipe Dia.	DN	100	100	125	125	125	150	150
	Water flow	m ³ /h	22	24	26	31	33	36	40
Condenser Type	Type	Shell & tube type							
	Water pressure drop	kPa	70-90						
	Water pipe Dia.	DN	100	100	125	125	125	150	150
	Water flow	m ³ /h	33	35	39	46	48	54	60
Noise	dB(A)	80.4	81.5	83.1	84.2	85.2	86.3	86.9	
Unit Structure	Horizontal type								
Dimensions (mm)	L	3000	3000	3000	3400	3400	3500	3500	
	W	1350	1350	1350	1450	1450	1500	1500	
	H	1800	1800	1800	1800	1800	2000	1850	
Install Dimension (mm)	L1	2230	2230	2230	2735	2735	2735	2735	

Install Dimension (mm)	W1	880	880	880	880	880	1300	1300
Net weight	kg	1900	2100	2300	2400	2600	2800	3100
Running weight	kg	2500	2600	2900	3000	3250	3450	3900
Note:	Cooling conditions:	Chilled water inlet/outlet temperature -5°C/-10°C, cooling water inlet/outlet temperature 30°C/						

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Unit Model	RLSG-D	290	310	340	380	440	500	550	
Nominal Cooling Capacity	kW	275	295	322	363	409	468	525	
Input Power	kW	131.2	141.5	160.6	174.6	203.7	217.9	243.4	
Running Current	A	223.5	240.9	262.7	296.8	345.6	379.8	421.2	
Max.Running Current	A	326.4	352.1	384.6	434.6	498.7	552.7	605.2	
Cable Diameter	mm ²	3*185+2*	3*185+2*	3*185+2*	3*240+2*	2*(3*150+	2*(3*150+	2*(3*185+	
Power voltage	3-380v-50Hz								
Starting mode	Y-▲								
Refrigerant	R22								
Refrigerant Charge		47	51	55	62	70	80	90	
Refrigerant Control Device	Electronic Expansion Valve(EXV)								
Compressor	Type	Semi-hermetic screw							
	Compressor	Qty	1						
Evaporator	Type	Shell & tube type							
	Water pressure	kPa	<200						
	Water pipe Dia.	DN	150	150	150	150	200	200	200
	Water flow	m ³ /h	47	51	55	62	70	80	90
Condenser Type	Type	Shell & tube type							
	Water pressure	kPa	70-90						
	Water pipe Dia.	DN	150	150	150	150	200	200	200
	Water flow	m ³ /h	70	75	83	92	105	118	132
Noise	dB(A)	87.1	87.3	87.6	88.4	90.1	90.5	90.8	
Unit Structure	Horizontal type								
Dimensions (mm)	L	3500	3600	3600	3600	4200	4200	4200	
	W	1500	1500	1600	1600	1640	1640	1700	
	H	1850	1850	1950	1950	1900	1900	1900	
Install Dimension (mm)	L1	2735	2735	2735	2735	3435	3435	3435	

Install Dimension (mm)	W1	1300	1300	1300	1300	1350	1350	1400
Net weight	kg	3400	3500	3700	4000	4300	4600	5200
Running weight	kg	4700	5000	5300	5700	6100	6600	7000
Note:	Cooling conditions:	Chilled water inlet/outlet temperature -5°C/-10°C, cooling water inlet/outlet temperature 30°C/35°C						

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Unit Model	RLSG-D	80	100	140	150	180	190	220	
Nominal Cooling Capacity	kW	70.4	97.2	128	137.2	172.2	183.8	216.8	
Input Power	kW	39.6	52.4	65.8	72.4	86.8	95.4	107.6	
Running Current	A	70.4	93.6	120.2	129.4	155.8	167.6	189.2	
Max.Running Current	A	100.0	132.0	167.2	182.6	221.2	240.2	271.8	
Cable Diameter (copper wire distance ≤20)	mm ²	2 (3*16+2*10)	2 (3*25+2*16)	2 (3*25+2*16)	2 (3*35+2*16)	2 (3*35+2*16)	2 (3*50+2*25)	2 (3*50+2*25)	
Power voltage	3-380v-50Hz								
Starting mode	Y-▲								
Refrigerant	R22								
Refrigerant Charge		12	16	22	24	30	32	38	
Refrigerant Control Device	Electronic Expansion Valve(EXV)								
Compressor	Type		Semi-hermetic screw						
	Compressor	Qty	2						
Evaporator	Type		Shell & tube type						
	Water pressure	kPa	<200						
	Water pipe Dia.	DN	100	100	100	100	125	125	150
	Water flow	m ³ /h	12	17	22	24	30	32	37
Condenser Type	Type		Shell & tube type						
	Water pressure	kPa	70-90						
	Water pipe Dia.	DN	100	100	100	100	125	125	150
	Water flow	m ³ /h	19	26	33	36	45	48	56
Noise	dB(A)	73.1	73.7	74.8	78.4	79	79.2	79.6	
Unit Structure	Horizontal type								

Dimensions (mm)	L	3300	3300	3300	3650	3650	3650	3650
	W	1400	1400	1400	1400	1400	1400	1500
	H	1600	1600	1600	1600	1600	1600	1800
Install Dimension (mm)	L1	2735	2735	2735	2735	2735	2735	2735
	W1	1000	1000	1000	1000	1000	1000	1140
Net weight	kg	2200	2300	2400	2600	2800	3000	3100
Running weight	kg	2900	3000	3100	3200	3500	3800	4100
Note:	Cooling conditions:	Chilled water inlet/outlet temperature -5°C/-10°C, cooling water inlet/outlet temperature 30°C/35°C						

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Unit Model	RLSG-D	280	300	320	380	400	440	500	
Nominal Cooling Capacity	kW	254	274	298	362	378	418	470	
Input Power	kW	124.8	135.4	155	178.6	182.8	205.6	230	
Running Current	A	218.8	235	254.4	304.4	316.2	351.2	392.2	
Max.Running Current	A	315.0	341.2	374.6	448.6	459	516.2	577.8	
Cable Diameter (copper wire distance ≤20)	mm ²	2* (2* (2* (2* (2* (2* (2* (
Power voltage	3-380v-50Hz								
Starting mode	Y-▲								
Refrigerant	R22								
Refrigerant Charge		44	46	52	62	64	72	80	
Refrigerant Control Device	Electronic Expansion Valve(EXV)								
Compressor	Type	Semi-hermetic screw							
	Compressor	Qty	2						
Evaporator	Type	Shell & tube type							
	Water pressure	kPa	<200						
	Water pipe Dia.	DN	150	150	150	150	150	200	200
	Water flow	m ³ /h	44	47	51	62	65	72	81
Condenser Type	Type	Shell & tube type							
	Water pressure	kPa	70-90						
	Water pipe Dia.	DN	150	150	150	150	150	200	200
	Water flow	m ³ /h	65	70	78	93	96	107	120
Noise	dB(A)	80.4	81.5	83.1	84.2	85.2	86.3	86.9	
Unit Structure	Horizontal type								
Dimensions (mm)	L	3750	4400	4400	4500	4500	4500	4500	
	W	1500	1500	1500	1700	1700	1700	1700	

	H	1900	1900	1900	2050	2050	2050	2050
Install Dimension (mm)	L1	2735	3435	3435	3435	3435	3435	3435
	W1	1140	1140	1140	1140	1140	1350	1350
Net weight	kg	3750	4000	4200	4400	4800	5000	5500
Running weight	kg	4850	5100	5400	5900	6300	6600	7200
Note:	Cooling conditions:	Chilled water inlet/outlet temperature -5°C/-10°C, cooling water inlet/outlet temperature 30°C/35°C						

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Unit Model	RLSG-D	580	620	680	760	880	1000	1100	
Nominal Cooling Capacity	kW	550	590	644	726	818	936	1050	
Input Power	kW	262.4	283	321.2	349.2	407.4	435.8	486.8	
Running Current	A	447	481.8	525.4	593.6	691.2	759.6	842.4	
Max.Running Current	A	652.8	704.2	769.2	869.2	997.4	1105.4	1210.4	
Power voltage	3-380v-50Hz								
Starting mode	Y-▲								
Refrigerant	R22								
Refrigerant Charge		116	124	136	152	172	196	220	
Refrigerant Control Device	Electronic Expansion Valve(EXV)								
Compressor	Type		Semi-hermetic screw						
	Compressor	Qty	2						
Evaporator	Type		Shell & tube type						
	Water pressure drop	kPa	<200						
	Water pipe Dia.	DN	200	200	200	200	250	250	250
	Water flow	m ³ /h	95	101	111	125	141	161	181
Condenser Type	Type		Shell & tube type						
	Water pressure drop	kPa	70-90						
	Water pipe Dia.	DN	200	200	200	200	250	250	250
	Water flow	m ³ /h	140	150	166	185	211	236	264
Noise	dB(A)	87.1	87.3	87.6	88.4	90.1	90.5	90.8	
Unit Structure	Horizontal type								

Dimensions (mm)	L	4500	4500	4550	4550	4550	4550	4550
	W	1700	1800	1920	1920	1920	1920	1920
	H	2050	2100	2000	2000	2000	2000	2000
Install Dimension (mm)	L1	3435	3435	3435	3435	3435	3435	3435
	W1	1350	1350	1350	1750	1780	1780	1780
Net weight	kg	5900	6000	6200	6800	7400	8000	8500
Running weight	kg	7600	7700	7800	8600	9400	9900	10500
Note:	Cooling conditions:	Chilled water inlet/outlet temperature -5°C/-10°C, cooling water inlet/outlet temperature 30°C/35°C						