

## -15°C outlet water R22 screw type water chiller

Unit Model		RLSG-D	45	65	80	90	110	120	140
Nominal Cooling Capacity		kW	43.2	59.8	78.5	84.4	104.8	112.9	133
Input Power		kW	20.6	27.3	34.2	37.7	45.1	49.3	55.9
Running Current		A	36.4	48.2	61.9	63.9	80.5	86.7	97.8
Max.Running Current		A	50.0	66.0	83.6	91.3	110.6	120.1	135.9
Cable Diameter		mm <sup>2</sup>	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			7	10	13	14	18	19	23
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	80	80	80	80	80	100	100
	Water flow	m <sup>3</sup> /h	7	10	14	15	18	19	23
Condenser Type	Type		Shell & tube type						
	Water pressure drop	kPa	70-90						
	Water pipe Dia.	DN	80	80	80	80	80	100	100
	Water flow	m <sup>3</sup> /h	11	15	19	21	26	28	32
Noise		dB(A)	73.1	73.7	74.8	78.4	79	79.2	79.6
Unit Structure			Horizontal type						
		L	2400	2400	3000	3000	3000	3000	3000

Dimensions (mm)	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 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	170	180	200	240	250	270	300	
Nominal Cooling Capacity	kW	156	169	183	223	232	36	289	
Input Power	kW	64.8	70.3	77.5	92.8	95	106.9	119.6	
Running Current	A	113.1	121.7	131.8	157.8	156.1	173.2	203.3	
Max.Running Current	A	157.5	170.6	187.3	224.3	229.5	258.1	288.9	
Cable Diameter	mm <sup>2</sup>	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		27	29	31	38	42	42	50	
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	100	100	125	125	125	150	150
	Water flow	m <sup>3</sup> /h	27	29	31	38	40	41	50
Condenser Type	Type		Shell & tube type						
	Water pressure	kPa	70-90						
	Water pipe Dia.	DN	100	100	125	125	125	150	150
	Water flow	m <sup>3</sup> /h	38	41	45	54	56	59	70
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
	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/35°C						

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Unit Model	RLSG-D	360	380	420	470	530	610	680	
Nominal Cooling Capacity	kW	337	363	395	445	502	573	643	
Input Power	kW	136.4	147.1	160.6	181.5	203.7	226.5	2453	
Running Current	A	231.2	249.2	271.8	307.1	357.5	393.4	435.8	
Max.Running Current	A	326.4	352.1	384.6	434.6	498.7	552.7	605.2	
Cable Diameter	mm <sup>2</sup>	3*185+2*9	3*185+2*9	3*185+2*9	3*240+2*1	2*(3*150+2	2*(3*150+2	2*(3*185+2	
Power voltage	3-380v-50Hz								
Starting mode	Y-▲								
Refrigerant	R22								
Refrigerant Charge		58	62	68	76	86	98	110	
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 <sup>3</sup> /h	58	62	68	77	86	99	111
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 <sup>3</sup> /h	81	88	96	108	121	138	154
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	
	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/						

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Unit Model	RLSG-D	90	130	160	180	220	240	280	
Nominal Cooling Capacity	kW	86.4	119.6	157	168.8	209.6	225.8	266	
Input Power	kW	41.2	54.6	68.4	75.4	90.2	98.6	55.9	
Running Current	A	72.8	96.4	123.8	127.8	161	173.4	195.6	
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 <sup>2</sup>	2 (	2 (	2 (	2 (	2 (	2 (	2 (	
Power voltage	3-380v-50Hz								
Starting mode	Y-▲								
Refrigerant	R22								
Refrigerant Charge		14	20	26	28	36	38	46	
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 <sup>3</sup> /h	15	21	27	29	36	39	46
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 <sup>3</sup> /h	22	30	39	42	52	56	55
Noise	dB(A)	73.1	73.7	74.8	78.4	79	79.2	79.6	
Unit Structure	Horizontal type								
	L	3300	3300	3300	3650	3650	3650	3650	

Dimensions (mm)	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						



## -15°C outlet water R22 screw type water chiller

Unit Model	RLSG-D	340	360	400	480	500	540	600	
Nominal Cooling Capacity	kW	312	338	366	446	464	472	578	
Input Power	kW	129.6	140.6	155	185.6	190	213.8	239.2	
Running Current	A	226.2	243.4	263.6	315.6	312.2	346.4	406.6	
Max.Running Current	A	315.0	341.2	374.6	448.6	459	516.2	577.8	
Cable Diameter (copper wire distance ≤20)	mm <sup>2</sup>	2* (	2* (	2* (	2* (	2* (	2* (	2* (	
Power voltage	3-380v-50Hz								
Starting mode	Y-▲								
Refrigerant	R22								
Refrigerant Charge		54	58	62	76	80	80	100	
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 <sup>3</sup> /h	54	58	63	77	80	81	99
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 <sup>3</sup> /h	76	82	90	109	112	118	141
Noise	dB(A)	80.4	81.5	83.1	84.2	85.2	86.3	86.9	
Unit Structure	Horizontal type								
	L	3750	4400	4400	4500	4500	4500	4500	

Dimensions (mm)	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						

## -15°C outlet water R22 screw type water chiller

Unit Model	RLSG-D	720	760	840	940	1060	1220	1360	
Nominal Cooling Capacity	kW	674	726	790	890	1004	1146	1286	
Input Power	kW	272.8	294.2	321.2	363	407.4	453	506	
Running Current	A	462.4	498.4	543.6	614.2	715	786.8	871.6	
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	kPa	<200						
	Water pipe Dia.	DN	200	200	200	200	250	250	250
	Water flow	m <sup>3</sup> /h	116	125	136	153	173	197	221
Condenser Type	Type		Shell & tube type						
	Water pressure	kPa	70-90						
	Water pipe Dia.	DN	200	200	200	200	250	250	250
	Water flow	m <sup>3</sup> /h	163	175	191	216	243	275	308
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						