

Air Cooled Scroll Water Chiller And Heat Pump

Unit model	RLSFW-(B) RLSFW-(B)R	RLSFW60	RLSFW90	RLSFW120	RLSFW240	RLSFW480	
Nominal Cooling Capacity	kW	56	86	116	232	464	
Cooling Input Power	kW	16.3	27.8	35.8	71.6	143.2	
Running Current	A	28.8	45.2	54.2	108.4	215.4	
Nominal Heating Capacity	kW	59.4	92.4	124	248	496	
Heating Input Power	kW	16.1	27.2	35.1	70.2	140.4	
Running Current	A	28.5	41.3	53.3	106.7	213.3	
Max. Running Current	A	41	71	86	172	345	
Cable diameter (copper water distance ≤ 20 meters)	mm ²	3*16+2*10	3*35+2*16	3*50+2*25	3*240+2*120	2*(3*185+2*95)	
Power Voltage							
Compressor Qty				1	2	4	
Starting mode							
Refrigerant							
Refrigerant Charge	Kg	13	12*2	14	14*2	14*4	
Refrigerant Charge Device							
Evaporator	Type						
	Water Pressure	kPa					
	Water Pipe Dia.	DN	DN50	DN65	DN65	DN100	DN150
	Water Flow	m ³ /h	8.7	13.4	18.1	36.1	72.2
Condenser type							
Condenser Fan	Type						
	Fan Qty		2	2	2	4	8
	Noise	dB(a)	66	79	79	79	79
	Power	kW	0.55*2	1.8*2	1.8*2	1.8*4	1.8*8
	Air Flow	m ³ /h	20000	40000	40000	80000	160000

Air Discharge		Side				
Dimensions (mm)	L	2110	2110	2370	2370	5100
	W	1080	1080	1190	2260	2250
	H	1870	2210	2270	2270	2480
Net weight	Kg	700	900	1000	2100	4500
Running weight	Kg	760	980	1120	2240	4980
Noise	dB(a)	78	79	80	83	84
Remarks						
1. Cooling standard working conditions : ambient temperature 35°CDB/24°CWB; cold water inlet temperature 12°C, outlet						
2. Heating standard working conditions : ambient temperature 7°CDB/6°CWB; cold water inlet temperature 40°C, outlet te						
3. Optional accessories: Built-in expansion water tank & water pump.						

Air Cooled Scroll Water Chiller And Heat Pump

Unit model	RLSFW-(B) RLSFW-(B)R	RLSFW20	RLSFW25	RLSFW30	RLSFW40	RLSFW45	
Nominal Cooling Capacity	kW	21.5	23.1	27	32	43	
Cooling Input Power	kW	7.5	7.9	9	10.4	13.3	
Running Current	A	11.4	12	13.7	15.8	20.2	
Heating capacity @ working	kW	24.4	26.3	30	38.2	46.2	
Heating Input Power	kW	7.4	7.9	9	10.3	13.2	
Running Current	A	11.2	12	13.7	15.6	20.1	
Heating capacity @ working	kW	17.8	19.2	21.9	27.9	33.8	
Heating Input Power	kW	7.5	8	9.1	10.4	13.3	
Running Current	A	11.3	12.1	13.8	15.8	20.2	
Max.Running Current	A	20.6	21.5	24	27	35	
Cable diameter (copper water distance≤20 meters)	mm ²	3*6+2*4	3*6+2*4	3*6+2*4	3*6+2*4	3*10+2*6	
Power	380v/50hz						
Compressor Qty	1						
Starting mode	direct						
Refrigerant	R22/R410a						
Refrigerant Charge	Kg	8.5	10	10.5	11.5	12	
Refrigerant Charge Device	Electronic expansion valve(exv)						
Evaporator	Type	Plate type				Shell& tube	
	Water Pressure Drop	kPa	70–90				
	Water Pipe Dia.	DN	DN32	DN32	DN40	DN40	DN50
	Water Flow	m ³ /h	3.4	3.6	4.3	5	6.7
Condenser type	Internally Threaded Copper Tube & Hydrophilic Aluminum Fins						
Condenser	Type	Axial type					
	Fan Qty	1	1	1	1	2	

Condenser Fan	Noise	dB(a)	68	68	78	78	68
	Power	kW	0.55	0.55	0.75	0.75	0.37*2
	Air Flow	m ³ /h	8000	10000	12000	14000	16000
Air Discharge		Side (Top)					
Dimensions (mm)	L		1200 (1080)	1200 (1080)	1200 (1080)	1200 (1080)	2200 (2110)
	W		720 (1080)	720 (1080)	720 (1080)	720 (1080)	720 (1080)
	H		1870 (1890)	1870 (1890)	1870 (1890)	1870 (1890)	1920 (1870)
Net weight	Kg	320	350	380	380	650	
Running weight	Kg	360	380	420	420	690	
Noise	dB(a)	69	69	70	71	72	
Remarks							
1. Cooling standard working conditions : ambient temperature 35°CDB/24°CWB;cold water inlet temperature 12°C,							
2.Working conditions I: ambient temperature 7°CDB/6°CWB;cold water inlet temperature 40°C, outlet temperature							
3.Working conditions II: ambient temperature -12°CDB/-13.5°CWB;outlet water 41°C;							
4. Optional accessories: Built-in expansion water tank & water pump.							

Air Cooled Scroll Water Chiller And Heat Pump

Unit model	RLSFW-(B) RLSFW-(B)R	RLSFW60	RLSFW 90	RLSFW 120	RLSFW 240	RLSFW 480	
Nominal Cooling Capacity	kW	56	86	116	232	464	
Cooling Input Power	kW	16.3	27.8	35.8	71.6	143.2	
Running Current	A	24.8	42.4	54.4	108.8	217.6	
Heating capacity @ working	kW	59.4	92.4	124	248	496	
Heating Input Power	kW	16.1	27.2	35.1	70.2	140.4	
Running Current	A	24.5	41.3	53.3	106.7	213.3	
Heating capacity @ working	kW	43.4	67.5	90.6	181.3	362.6	
Heating Input Power	kW	16.2	29.6	35.4	70.8	141.7	
Running Current	A	24.7	45	53.8	107.6	215.2	
Max.Running Current	A	41	71	86	172	345	
Cable diameter (copper water distance≤20 meters)	mm ²	3*16+2*10	3*35+2*16	3*50+2*25	3*240+2*120	2*(3*185+2*95)	
Power	380v/50hz						
Compressor Qty		1	2	1	2	4	
Starting mode	direct						
Refrigerant	R410a						
Refrigerant Charge	Kg	13	12*2	14	14*2	14*4	
Refrigerant Charge Device	Electronic expansion valve(exv)						
Evaporator or	Type	Shell& tube type					
	Water Pressure Drop	kPa	70—90				
	Water Pipe Dia.	DN	DN50	DN65	DN65	DN100	DN150
	Water Flow	m ³ /h	8.7	13.4	18.1	36.1	72.2

Condenser type		Internally Threaded Copper Tube & Hydrophilic Aluminum Fins					
Condenser Fan	Type	Axial type					
	Fan Qty	2	2	2	4	8	
	Noise	dB(a)	66	79	79	79	
	Power	kW	0.55*2	1.8*2	1.8*2	1.8*4	1.8*8
	Air Flow	m ³ /h	20000	40000	40000	80000	160000
Air Discharge		Side (Top)					
Dimensions (mm)	L	2110	2110	2370	2370	2370	
	W	1080	1080	1190	2380	4760	
	H	1870	2210	2270	2270	2270	
Net weight	Kg	700	900	1000	2000	4000	
Running weight	Kg	760	980	1120	2240	4480	
Noise	dB(a)	73	73	74	74	74	
Remarks							
1. Cooling standard working conditions : ambient temperature 35°CDB/24°CWB;cold water inlet temperature							
2.Working conditions I: ambient temperature 7°CDB/6°CWB;cold water inlet temperature 40°C, outlet temp							
3.Working conditions II: ambient temperature -12°CDB/-13.5°CWB;outlet water 41°C;							
4. Optional accessories: Built-in expansion water tank & water pump.							

Air Cooled Scroll Hot Water Heat Pump

Unit model	RLSFW-	RLSFW10	RLSFW20	RLSFW30	RLSFW40	RLSFW80	
Heating Capacity	kW	11.2	19.8	36.3	40.7	81.4	
Heating Input Power	kW	4.3	7.3	11	12.6	25.2	
Max.Running Current	A	19.5	11	16.7	19.1	38.3	
Max.Running Current	A	22	16	25	32	61	
Cable diameter (copper water distance≤20 meters)	mm ²	3*6	3*4+2*2.5	3*6+2*2.5	3*10+2*6	3*25+2*16	
Power Voltage		220V/50HZ	380V/50HZ				
Compressor Qty		1	1	1	1	2	
Starting mode		Directly					
Refrigerant		R22					
Refrigerant Charge	Kg	4.5	6.5	10	10.5	10.5*2	
Refrigerant Charge Device		Thermal expansion vave					
Evaporator	Type	Plate type					
	Water Pipe Dia.	DN	DN32	DN32	DN40	DN40	DN50
	Water Flow	m ³ /h	1.8	3.1	5.7	6.4	12.7
Water Flow							
Condenser Fan	Type	Axial type					
	Fan Qty	1	1	1	1	2	
	Noise	dB(A)	69	69	69	69	69
	Power	kW	0.37/0.55	0.37/0.55	0.37/0.55	0.37/0.55	0.37/0.55
	Air Flow	m ³ /h	8000	8000	10000	10000	20000
Air Discharge		Top					
Dimensions (mm)	L	1180	1180	1180	1180	2110	
	W	1080	1080	1080	1080	1080	

	H	1870	1870	1870	1870	1870
Net weight	Kg	300	320	350	380	700
Running weight	Kg	330	350	380	420	760
Noise	dB(A)	69	70	72	72	73

Remarks

1. Test conditions: ambient temperature 20°C DB/15°C WB; the actual heating capacity will vary w
2. The maximum outlet temperature of hot water can reach 60°C
3. Operating environment temperature range: -25°C~46°C . Outlet water temperature 55°C.