Water cooled scroll water chiller

Performance			Model No	HWWC15	HWWC18	HWWC28	HWWC38	HWWC56	HWWC75	HWWC110	HWWC150
Cooling conditions	Nominal Cooling Capacity		KW	15	18	28	38	56	75	110	150
	Nominal imput Power		KW	2.7	3.9	5.3	7.9	10.5	15.8	23.5	31.5
	Evaporator	Inlet/Outlet Chilled Water Temperature	℃	12/7							
		Chilled Water Flow	m^3/h	3	3.5	6	6.9	12	13.8	20.8	27.5
		Chilled Water Resistance	kPa	28	30	32	32	35	38	42	43
	Condenser	Inlet/Outlet Cooled Water Temperature	℃	30/35							
		Cooled Water Flow	m^3/h	3.3	4.5	6.5	8.6	13	17.2	25.8	34.5
		Cooled Water Resistance	kPa	28	30	32	35	38	40	44	45
Refrigerant	Medium			R22/R407C							
Compressor	Type			Hermetic Scroll							
	QTY			1	1	2	2	3	2	3	4
Electric Performance	Power Supply			380V/3PH/50HZ							
	Security Protection			High and Low Pressure Protection、Anti Frozen Protection 、Compressor Overheat Protection、 Water Short protection							
Inlet/Outlet Chilled Water Pipe			DN	25	25	32	40	50	50	65	50×2
Inlet/Outlet Cooled Water Temperature			DN	25	25	32	40	50	50	65	50×2
Unit Dimension	L		mm	1200	1400	1600	1800	2200	2500	2800	2500
	W		mm	650	650	650	650	800	800	1000	1500
	H		mm	800	800	1000	1200	1200	1500	1500	1500
Noise Level			dB(A)	48	48	50	53	55	56	58	60
Weight			kg	160	170	180	190	250	280	400	560

Note:1.Nominal cooling conditions：condenser inlet water temperature 30℃, outlet water temperature 35℃;
evaporator inlet water temperature 12℃, outlet water temperature 7℃;
2. The Company reserves the right to improve product designs without prior notice.

Features ◇◇◇◇





◎**Wide scope of application**

It’s applicable for hotels, villas, hair salons, foot baths and other places to provide living hot water, for indoor swimming pool water warming, for supplying hot water for industrial and agricultural production. In the heating process, the unit also works for cooling, enabling it especially suitable for hotel garages and de–humidifying systems as an auxiliary cold source to relieve the load of the freezing equipment of these places.

◎**Cost effective**

A great quantity of free–of–charge heat can be obtained from the air, enabling each kwh electricity use to generate the heat equivalent to that of 3—6kwh, saving electricity charge 50–80%.

The unit can be installed in the garages, balconies and other places, not cover effective building area, and saves land.

1) The air–source heat pump hot water unit needs no fuel transfer cost and keeping expenses.

2) The air–source heat pump hot water unit boasts smaller maintenance cost, only two active parts, having less abrasion, only needs simple cleaning and maintenance everyday.

3) Automatic control needs no dedicated operators, saves salary expenses.

◎**Safe**

The unit is equipped with high and low–pressure protection, over–current and overload compressor protection, start delay, water short protection, low–temperature defrosting, ultra–high temperature protection, and so on, essentially preventing current leakage, dry burning, ultra–high temperature and other potential safety problems .

The heat pump hot water unit needs no fuel transmission pipe, then prevents fuel leakage, fire, explosion and other safety problems.

◎**Convenient**

Exclusive modular design is able to combine 16 units at the most, with maximum heating capacity up to 1120KW.

The unit enjoys automatic control for its start, shutdown and defrosting, with maximum outlet water temperature 60–70℃, can be erected outdoors, e.g. at roofs, balconies etc. need no extra machine room.

Model type nomenclature ◇◇◇◇



Direct heating type、Circular type air sorce heat pump water heater

Test Conditions：Outdoor Temperature 20℃/15℃，Inlet Water Temperature 20℃。

Contents	Model No	RWC18(Z)	RWC35(Z)	RWC70(Z)
Heating Capacity	kw	18	35	70
Total Rated Power	kw	5.12	10.25	20.8
Water recirculation rate (Circular type)	m^3/h	4.5~6	9~12	18~25
Hot water supply (Direct heating type)	m^3/h	0.3~0.6	0.6~1.2	1.2~2.5
Outlet Water Temperature (Direct heating type)	℃	50~60℃(High temperature can be achieved 60–70℃)		
Power Supply		380V 3N–50/60HZ		
Medium		R22/R407/R134a		
Pump power (Direct heating type)	kw	0.55	0.75	1.5
Unit Dimension (LxWxH)	mm	1200x650x1550/850x850x1000	1800x650x1900/1800x800x1700	2200x1100x2000
Weight	kg	150	300	550