

For An Efficient & Sustainable Future



For An Efficient & Sustainable Future



Zhejiang Kingfit Environment Co.,LTD.



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<https://kingfitgroup.com>



If you are interested in becoming a Distributor,
please CONTACT US for more information.

2022



GENERAL CATALOGUE

Heating & Cooling
HVAC System & Solution

<https://kingfitgroup.com>

Zhejiang Kingfit Environment Co.,LTD.



Gross floor area is 110,000m²
Annual Production Capacity: 21,000 sets
Export to 65 countries

Founded in 1998 and located in Lishui, Zhejiang, China, KINGFIT is committed to providing temperature solutions and air conditioning systems for various industries, as well as smart and energy-saving climate solutions for agriculture.

Since our establishment, KINGFIT has been committed to technological innovation, and now has more than 60 invention patents, and has successively won "China's Little Giant Enterprise", "Double Research Institute of Industrial and Agricultural Refrigeration Equipment", "National High-tech Enterprise", "Provincial High-tech Enterprise" Enterprise Research and Development Center", "Zhejiang Famous Brand Product", "Provincial Science and Technology Enterprise" and other honors.

KINGFIT BRAND STORY

Here is a true story of the founding brothers of KINGFIT - just a couple of ordinary boys who started out small in 1998 to pursue their big vision to explore and meet the real needs of the market, offering unprecedented solutions in terms of customization, innovation, and efficiency. Their steadfast commitment to bring the best lead to revolutionizing the industry and triggering widespread success in the market.

The new millennium brought our company a constantly growing reputation that propelled us beyond the national borders with a greater purpose. Fully understanding our customers and business partners to provide tailor-made solutions that best fit their requirements allowed KINGFIT to grow exponentially. That led the company to develop an extensive knowledge of an ample range of industries, pushing KINGFIT to branch out into three major markets with a vast array of intelligent and energy-efficient climate solutions for agriculture, temperature solutions for various industries, and air conditioning systems around the globe.

Today KINGFIT is run by an ever-expanding brilliant team of hundreds of passionate professionals with an unchanged vision to persistently improve at all levels - serving customers with the unparalleled quality and efficiency we've become renowned for in the last 24 years. And continues to meet and exceed all our customer's rising expectations, and support them on the journey towards a world where only real Efficiency can guarantee a truly Sustainable Future for everyone.



KINGFIT TEAM

KINGFIT has a professional team that is full of vigor, innovation and dare to challenge. We share a common vision and goals, beliefs and pursuits. To build a world-class artificial environment equipment company,

we will continue to work hard and encourage each other to become the leader of the artificial intelligence environment system.

KINGFIT ADVANTAGES

Strong production capacity



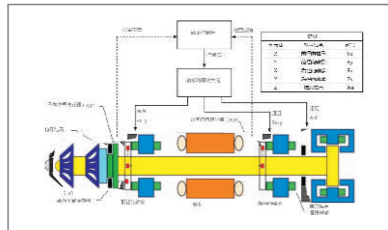
300 equipments were increased in our company from 2008 to 2021. We have complete equipment manufacturing capability. Also improve the competitive of our company.

Quality guarantee



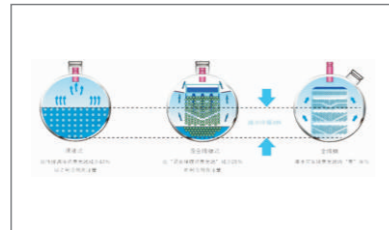
Increasing innovation consciousness and persistent precise manufacturing make our products perfect. No matter how the world changes, KINGFIT staff constantly demands for products quality. It's reliable guarantee of our products quality to introduce international advanced testing equipment, and with strict process and 100% products inspection.

Strong innovation and r&d capabilities



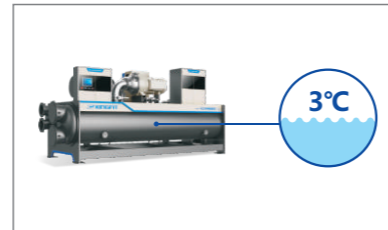
Maglev technology:

The maximum speed of the rotating shaft is 48000rpm, the response frequency of the positioning signal is 50kHz, and the correction action is as high as 100,000 times/second.



Falling Film Evaporator Technology:

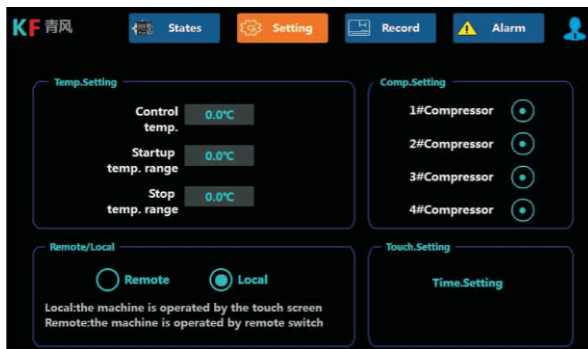
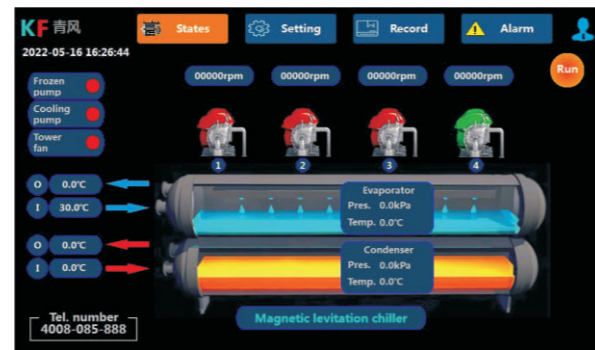
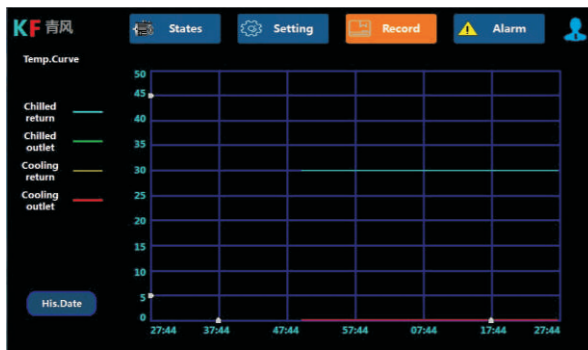
The full falling film evaporator can effectively avoid the problem of suction with liquid when the magnetic levitation centrifugal compressor is running at high speed in a flooded unit. Reduce refrigerant charge by 40%.



low ambient temperature operation control technology:

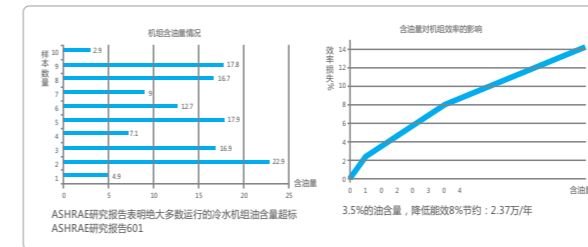
The low ambient temperature operation control technology can realize the stable operation of the unit under low cooling water temperature. The cooling water temperature is as low as 3°C, and the energy efficiency is increased by 50% for every 5°C drop in temperature.

Interface control center:

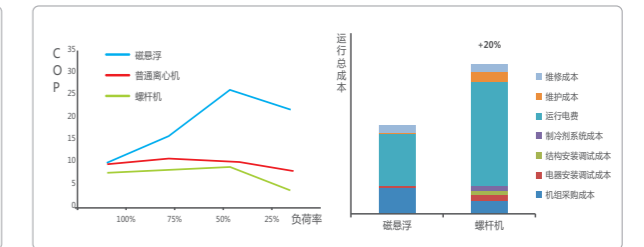


Energy efficient & Energy saving

Orig-lasting high performance



Ultra-low operating cost-50% energy saving



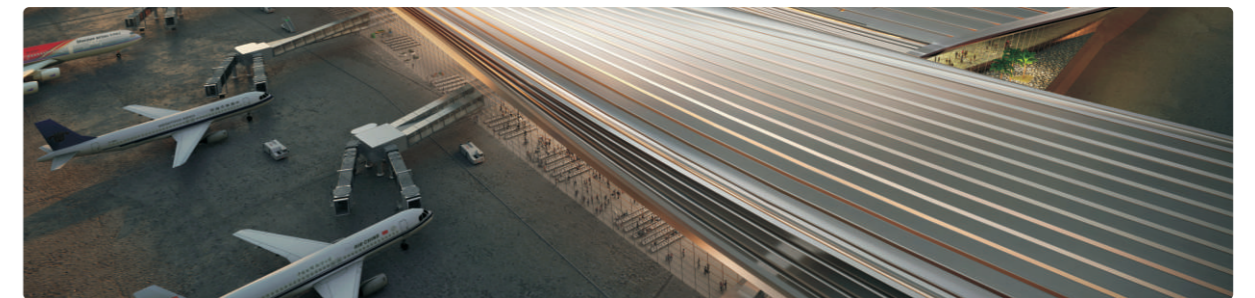
Through decades of development, Kingfit had been building which brand of efficiency and reliability. QLK series water -cooled screw chiller in accordance with the excellent tradition of the Kingfit products, It also obtains the national energy-saving certificate. QLC series save 42% than A grade energy efficiency.

Customized Products and Services



KINGFIT have a first-class production team in China that can serve you , we can customize your chillers according to your needs. We also attach great importance to the spirit of contract, and you can rest assured to cooperate with us.

Supports 24x7x365 uninterrupted operation:



KINGFIT's products are specially designed for industry and agriculture. The parts and surface materials used are more wear-resistant, the product has a longer service life, and supports 24 hours of operation throughout the year, improving your production efficiency.

For An Efficient & Sustainable Future



CATALOGUE

KINGFIT
For An Efficient & Sustainable Future


LARGE-SIZED UNITS

-  **09** Magnetic Bearing Chiller
-  **10** Air Cooled Magnetic Bearing Chiller
-  **11** Double Efficient Integral Magnetic Bearing Chiller
-  **12** Flooded Screw Chiller
-  **13** Dry Screw Chiller
-  **14** Magnetic Bearing Heat Pump
-  **15** Screw Heat Pump
-  **16** Air-cooled Screw Chiller












SCROLL CHILLER

-  **17** Chimi Series Plastic Small Chiller
-  **18** Scroll Air-cooled Chiller
-  **19** Scroll Water Cooled Chiller
-  **20** Air-cooled Modular Chiller
-  **21** Water Cooled Modular Chiller

HEAT PUMP (COMMERCIAL AND DOMESTIC)

-  **22** Ground/Water Source Heat Pump
-  **23** Air Source Cascade Heat Pump Water Heater
-  **24** Water Source Heat Pump

SPECIAL INDUSTRY MODELS

-  **25** Climate Control Machine-all In One
-  **26** Climate Control Machine-split Type
-  **27** Air Handling Unit
-  **28** Mushroom Mobile Type Cooling Machine
-  **29** Mushroom Growing Container
-  **30** Cold Room
-  **31** Direct Cooling Chiller
-  **32** Grain Air Conditioner
-  **33** Grain Cooler
-  **34** Air Cooler For Powder Processing Line
-  **35** Fresh Air Cooling Dryer



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LARGE-SIZED UNITS



Magnetic Bearing Chiller



Product Features

- Energy efficiency
- Wide operation range
- Stable and reliable
- Low noise and environmental protection
- Saving maintenance cost
- Intelligent control
- Compact size
- Corrosion resistant heat exchanger available.

Applications



Technical Parameters

Model	QLC370SJAC	QLC530SJAC	QLC700SJAC	QLC1060SJAC	QLC1400SJAC	QLC2100SJAC
Cooling Capacity	363KW	530KW	695KW	1060KW	1400KW	2120KW
Max. Input Power	72KW	85KW	125KW	200KW	250KW	400KW
IPLV	10.7	10.7	10.7	10.7	10.7	10.7
Power supply	3Phase 380V/50HZ					
Refrigerant:	R134a					
Condenser	High efficient external screwed shell and tube.					
Cooling water temperature	Inlet 30°C, outlet 35°C					
Cooling water flow rate	81m3/h	114m3/h	150m3/h	228m3/h	301m3/h	455m3/h
Evaporoator	High efficient falling film type.					
Chilled water flow rate	62.4m3/h	91.2m3/h	120m3/h	182m3/h	240m3/h	365m3/h
Chilled water temperature	Inlet 12°C, outlet 7°C					

LARGE-SIZED UNITS



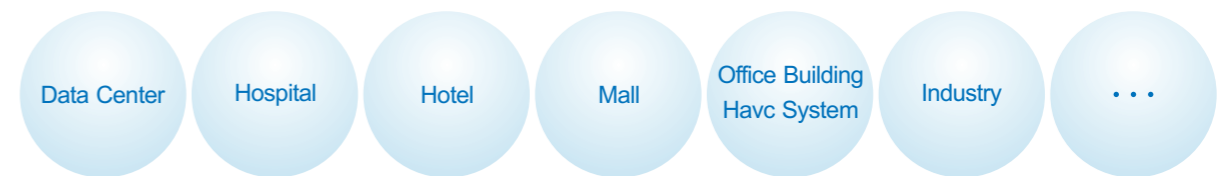
Air Cooled Magnetic Bearing Chiller



Product Features

- Energy efficiency
- Low vibration & quiet
- Saving maintenance cost
- Intelligent control
- Parallel operation

Applications



Technical Parameters

Model	QLC316FC	QLC422FC	QLC633FC	QLC844FC
Cooling Capacity	316KW	422KW	633KW	844KW
	90RT	120RT	180RT	240RT
Starting current	5A			
Refrigerant:	R134a			
Environment Temperature	Max. 45°C, Min. 3°C			
Chilled water temperature	5°C ~ 18°C			

LARGE-SIZED UNITS



Double Efficient Integral Magnetic Bearing Chiller



Product Features

- Integrated design, ready to install and use, less land occupation, no special machine room required.
- The unique natural cooling configuration realizes free of power consumption for cooling.
- Low energy consumption, reducing operating costs by 60%.
- Wide ranges of operation ambient temperature.
- Temperature range -15°C ~ 12°C, meeting 99% cooling needs.

Applications



Technical Parameters

Model	Model Standard Type			Ultra-low Temperature Type	Low Temperature Type	
	QLC370ZJAC	QLC530ZJAC	QLC700ZJAC	QLC240ZJAZ	QLC180ZJAD	QLC360ZJAD
Cooling Capacity	364KW	530KW	700KW	240KW	180KW	360KW
Max. Input Power	72KW	96KW	127KW	68.2KW	100KW	200KW
IPLV	10.7	10.7	10.7	7.1	3.5	3.5
Power supply	3Phase 380V/50HZ					
Refrigerant:	R134a					
Condenser	Frequency falling-film evaporative condenser.					
Evaporator	High efficient shell and tube type.					
Chilled water flow rate	63m3/h	90.9m3/h	120.4m3/h	91.2m3/h	40.5m3/h	80.5m3/h
Chilled water temperature	Inlet 12°C, outlet 7°C			Inlet -2.5°C, outlet -5°C	Inlet -10°C, outlet -15°C	

LARGE-SIZED UNITS



Flooded Screw Chiller



Product Features

- Energy efficiency
- Stable and reliable
- Intelligent control
- 24hrs continuously running throughout the year and motor efficiency reaches 92%.
- 25%~100% stepless capacity adjustment.
- Multiple technologies to extend service life.
- Corrosion resistant heat exchanger available.

Applications



Technical Parameters

Model	QLK150SMC	QLK170SMC	QLK240SMC	QLK290SMC	QLK330SMC	QLK380SMC	QLK470SMC	QLK580SMC
Cooling capacity	140KW(40RT)	183KW(52RT)	243KW(69RT)	267KW(76RT)	330KW(94RT)	361KW(103RT)	431KW(123RT)	541KW(154RT)
Input Power	29.6KW	37.1KW	49.5KW	53.9KW	64.6KW	71.1KW	86.3KW	105.8KW
COP	4.73	4.95	4.92	4.96	5.12	5.09	5	5.12

Model	QLK710SMC	QLK810SMC	QLK920SMC	QLK1030SMC	QLK1160SMC	QLK1410SMC	QLK1610SMC	QLK2060SMC
Cooling capacity	667KW(233RT)	777KW(221RT)	910KW(258RT)	1026KW(291RT)	1083KW(308RT)	1334KW(379RT)	1553KW(442RT)	2053KW(583RT)
Input Power	127.4KW	146.8KW	172.9KW	194.4KW	211.6KW	255KW	293.6KW	389KW
COP	5.24	5.29	5.27	5.28	5.12	5.23	5.29	5.28

Remarks:

1. Evaporator: inlet water temperature at 12 °C, outlet water temperature 7°C;
2. Condenser: inlet water temperature at 30°C, outlet water temperature at 35°C;
3. The above parameters are subject to change without notice, please refer to the actual chillers.

LARGE-SIZED UNITS



Dry Screw Chiller

Product Features

- Cost-effective.
- Minimal maintenance.
- Intelligent control.
- Wide range of applications.



Applications



Technical Parameters

Model	QLK130SC	QLK170SC	QLK250SC	QLK290SC
Cooling capacity	120.3KW(34RT)	157.9KW(45RT)	230KW(65RT)	271KW(77RT)
Input Power	30.7KW	38.5KW	56KW	63KW
COP	3.92	4.1	4.11	4.3

Remarks:

1. Evaporator: inlet water temperature at 12 °C, outlet water temperature 7°C;
2. Condenser: inlet water temperature at 30°C, outlet water temperature at 35°C;
3. The above parameters are subject to change without notice, please refer to the actual chillers.

LARGE-SIZED UNITS



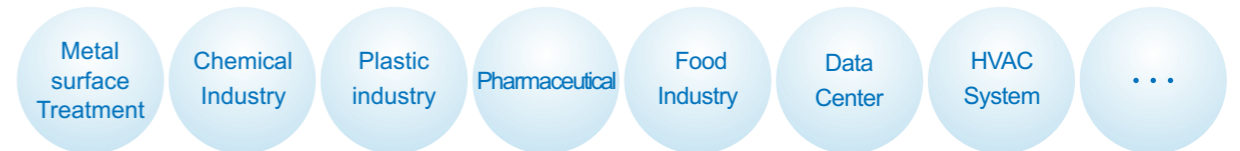
Magnetic Bearing Heat Pump

Product Features

- Energy efficiency
- Wide operation range
- Low noise and environmental protection
- Saving maintenance cost
- Compact size
- Can perform the same demanding high-lift applications as a screw or scroll compressor.
- The motor efficiency reached 97%.
- Oil-free system, high stability.



Applications



Technical Parameters

Model	High temperature series		Water (ground) source series	
	QRC620SJAG	QRC1250SJAG	QRC600SJAH	QRC1200SJAH
Heating Capacity	598KW	1160KW	616KW	1232KW
Cooling Capacity	471KW	942KW	470KW	940KW
Max. Input Power	127KW	260KW	100KW	200KW
IPLV / ACOP	IPLV 8.4		ACOP 6.65	
Power supply	3Phase 380V/50HZ			
Refrigerant:	R134a			
Condenser	High efficient shell and tube type.			
Evaporoator	High efficient falling-film type.			
Hot water flow rate	205.7m3/h	410m3/h	80.8m3/h	161.7m3/h
Hot water temp	Inlet 62.5°C, outlet 65°C		Inlet 38.5°C, outlet 45°C	
Chilled water flow rate	202.5m3/h	401m3/h	101m3/h	202m3/h
Chilled water temperature	Inlet 20°C, outlet 18°C		Inlet 10°C, outlet 6°C	

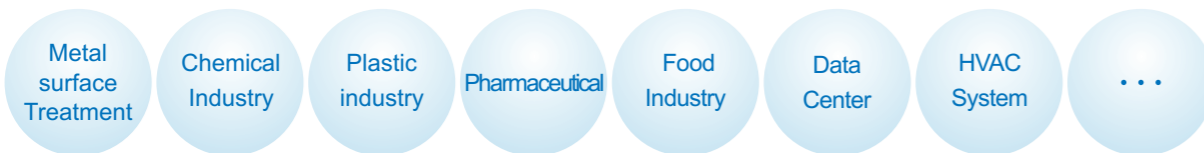
Screw Heat Pump



Product Features

- Energy efficiency.
- Stable and reliable.
- Optimized structure.
- 0 emission, 0 pollution, 0 waste.
- One machine with dual functions, the energy efficiency ratio is as high as 5.29.
- Reduce evaporation temperature and improve compression efficiency.
- 9-fold safety protection for the unit and 6-fold safety protection for the compressor.
- High-temperature screw heat pump units and ultra-high temperature screw heat pump units can be customized for surface treatment.

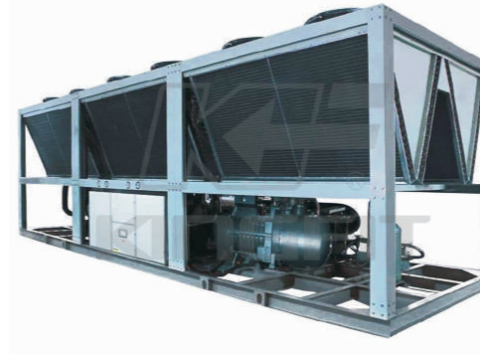
Applications



Technical Parameters

Model	QRK300SJK2G/UU	QRK400SJK2G/UU	QRK570SJK2G/UU	QRK740SJK2G/UU
Heating Capacity	294KW	396KW	543KW	719KW
Cooling Capacity	200KW	270KW	370KW	490KW
Max. Input Power	94KW	126KW	173KW	229KW
COP	5.26	5.29	5.28	5.28
Power supply	3Phase 380V/50HZ			
Refrigerant:	R134a			
Condenser	High efficient shell and tube type.			
Evaporoator	High efficient falling-film type.			
Hot water flow rate	50.4m3/h	67.9m3/h	93.1m3/h	123.3m3/h
Hot water temp	Inlet 70°C, outlet 75°C			
Chilled water flow rate	85.7m3/h	115.7m3/h	158.6m3/h	210m3/h
Chilled water temperature	Inlet 20°C, outlet 18°C			

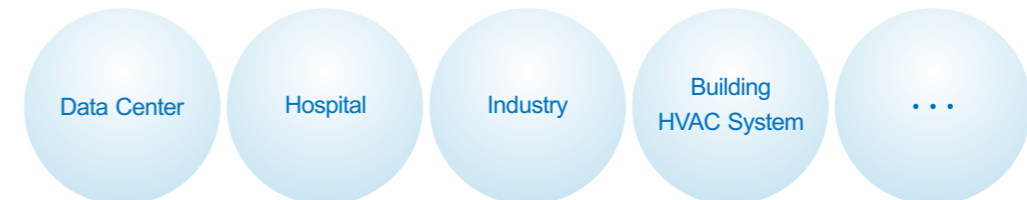
Air-cooled Screw Chiller



Product Features

- Frequency conversion operation
- Environmental protection, low noise, high efficiency and energy saving
- Reliable operation and easy installation
- Intelligent control, humanized operation

Applications



Technical Parameters

Model	QLK400FC	QLK500FC	QLK620FC	QLK730FC	QLK850FC	QLK970FC	QLK1160FC	QLK1370FC	QLK1450FC	
Cooling capacity	KW	397	493	618	723	845	965	1162	1368	1448
	RT	115	140	175	205	240	275	330	385	410
Input Power	116.5	143.6	181.3	212.3	247.5	283.7	340.3	401.2	425	
COP	3.4	3.43	3.4	3.4	3.41	3.4	3.41	3.41	3.4	
Compressor	Semi-hermetic screw type, Inverter control.									
Refrigerant	R134A									
Power supply	380V/3Ph ~/50HZ									
Condenser	Air cooled finned heat exchange									
Fan Motor	12	19	20	24	24	32	36	40	40	
Evaporator	Mode	Shell and tube heat exchangerr								
	water flow rate m3/h	68.28	84.79	106.3	124.5	145.3	166	199.8	235.3	249.1
	Inlet/outlet pipe diameter	DN150	DN150	DN150	DN150	DN150	DN200	DN200	DN200	DN200

Remarks:

1. Evaporator: inlet water temperature at 12 °C, outlet water temperature 7°C;
2. Condenser: Ambient temperature 35°C

SCROLL CHILLER



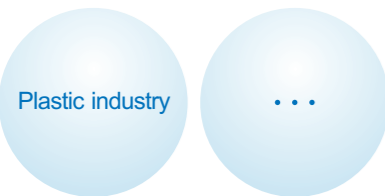
Chimi Series Plastic Small Chiller

Product Features



- Adopts micro channel coil condenser, small and light.
- Compact size, reducing the occupied area by 35%~50%
- Intelligent control, one-key operation, Precise temperature control up to $\pm 1^{\circ}\text{C}$;
- Module combination, each refrigeration system is independent and mutually backup.

Applications



Technical Parameters

Model	QLB3MC/LG	QLB6MC/LG	QLB8MC/LG	QLB12MC/LG	QLB20MC/LG	QLB25MC/LG	QLB40MC/LG
Cooling Capacity	2.6kw	5.7kw	7.5kw	12.7kw	19.6kw	25.4kw	39.2kw
Input power	0.89kw	1.85kw	2.7kw	3.71kw	5.41kw	7.42kw	10.81kw
Compressor	Panasonic			Copeland			
Condenser	High efficient Microchannel Coil						
Evaporator	Stainless Steel Tank + copper coil.						
	30L	45L	70L	90L	160L	180L	200L
Chilled water outlet temperature at 5~25°C							
Ambient temperature below:35°C							

SCROLL CHILLER



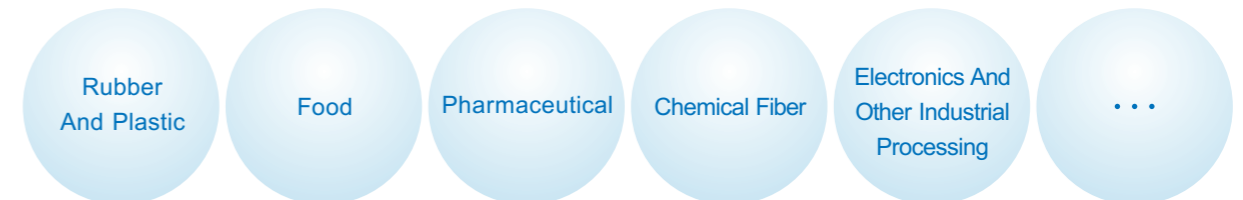
Scroll Air-cooled Chiller

Product Features



- High efficiency and energy saving, the COP can reach 4.84.
- Compact size, small occupied area.
- Patent evaporator, no leakage risks.
- Wide range of cooling capacity, customization available.

Applications



Technical Parameters

Model	QLB6FC	QLB8FC	QLB12FC	QLB25FC	QLB40FC
Cooling Capacity	5.7kw	7.46kw	12.7kw	25.4kw	39.2kw
COP	3.08	3.04	3.11	3.11	3.21
Input power	1.85kw	2.21kw	3.71kw	7.42kw	10.8kw
Compressor	Panasonic	Copeland			
Condenser	High efficient Fin + Copper coil type				
Evaporator	Tank + copper coil.			High efficient shell & tube	
Chilled water flow rate	16.3L/min	21.3L/min	36.4L/min	72.8L/min	112L/min

Model	QLB50FC	QLB60FC	QLB80FC	QLB100FC	QLB130FC
Cooling Capacity	52.5kw	58.8kw	78.4kw	94.2kw	125.6kw
COP	3.21	3.32	3.25	3.31	3.34
Input power	14.88kw	16.2kw	21.6kw	25.5kw	34kw
Compressor	Copeland				
Condenser	High efficient Fin + Copper coil type				
Evaporator	High efficient shell & tube				
Chilled water flow rate	150L/min	169L/min	225L/min	270L/min	360L/min
Refrigerant:R410A.					
Chilled water outlet temperature at 7°C					
Ambient temperature below:35°C					

SCROLL CHILLER



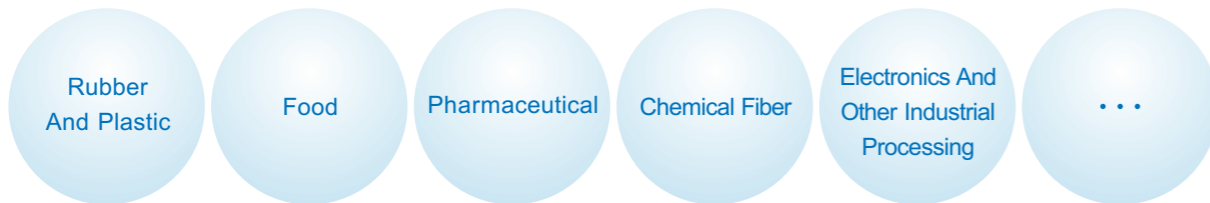
Scroll Water Cooled Chiller

Product Features

- Energy efficiency
- Anti-corrosion design, durable.
- Simple and intelligent, alternate operation
- Simple installation.



Applications



Technical Parameters

Model	QLB30SC	QLB45SC	QLB60SC
Cooling Capacity	28kw	42.6kw	57.6kw
COP	4.53	4.73	4.67
Input power	6.18kw	9kw	12.33kw
Compressor	Copeland		
Condenser	High efficient Shell & tube		
Evaporator	High efficient Shell & tube		
Chilled water flow rate	80L/min	122L/min	165L/min

Model	QLB70SC	QLB90SC	QLB120SC
Cooling Capacity	63.9kw	85.2kw	119.6kw
COP	4.73	4.73	4.84
Input power	13.5kw	18kw	24.76kw
Compressor	Copeland		
Condenser	High efficient shell & tube		
Evaporator	High efficient shell & tube		
Chilled water flow rate	183L/min	244L/min	343L/min
Refrigerant:R410A.			
Cooling water inlet temperature 30°C, outlet temperature 35°C;			
Chilled water inlet temperature 12°C, outlet temperature 7°C.			

SCROLL CHILLER



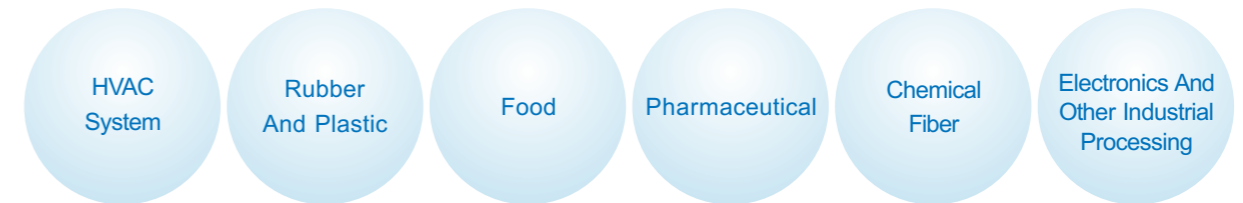
Air-cooled Modular Chiller

Product Features

- High efficiency and energy saving, the comprehensive energy efficiency IPLV can reach above 3.0
- Module combination, space saving, hierarchical operation.
- Safe and reliable, the unit is equipped with multiple protection functions.
- Intelligent control, automatic load adjustment.



Applications



Technical Parameters

MODEL	KFMS23B1R	KFMS45B1R	
Cooling capacity	73KW	145KW	
Heating capacity	75KW	150KW	
Input power	21.8KW	43.5KW	
Compressor	Full-hermetic scroll compressor		
	Quantity	1set	2sets
	Refrigerant	R410A (12.2KGS)	R410A (25KGS)
Condensing fan	Low noise, high efficient, water proof		
	Number	2	4
	Input power	2x1.1	2x1.8
Evaporator	High-efficiency shell and tube heat exchanger		
	water inlet temperature	12°C	
	water outlet temperature	7°C	
	Chilled liquid flow(m³/h)	12.5	25
Pipe connection	Chilling liquid in & outlet	DN50	DN65
Overall size	LxWxH(mm)	1078x2120x2340mm	1078x2350x2350mm
Weight (Kgs)		660kgs	1260kgs

SCROLL CHILLER



Water Cooled Modular Chiller | Product Features



- Each modular unit has an independent refrigeration system and control protection system.
- The unit adopts the latest high-efficiency fully-hermetic scroll compressor, which has low noise, low vibration and high energy efficiency ratio.
- The microcomputer controller has multiple automatic control and protection functions to ensure the reliable operation of the unit in the best condition.
- Energy-saving and high-efficiency: The cooling energy efficiency ratio of the unit can be increased by 5% when the heat recovery mode is running, with lower operation cost.

Applications



Technical Parameters

Model		KCW2020A3	KCW3030AC	KCW2055A3	KCW2070AC
Cooling Capacity	KW	72.5	108.5	200	248.5
Input power	KW	15.6	23.3	40.8	50.8
Compressor		Full-hermetic scroll Copeland			
Condenser	Mode	High efficiency shell and tube			
	Flow rate m3/h	15.6	23.3	43	53.4
	Temperature	Cooling water temperature 25°C to 40°C, Inlet/out temperature difference at 3.5°C-8°C			
Evaporator	Mode	High efficiency shell and tube			
	Flow rate m3/h	12.5	18.7	34.4	42.7
	Temperature	Chilled water temperature 5°C to 15°C, Inlet/out temperature difference at 3.5°C-8°C			

HEAT PUMP (COMMERCIAL AND DOMESTIC)



Ground/Water Source Heat Pump | Product Features



- Super mute.
- A number of patented designs, saving space, the smallest size in the same capacity unit.
- The installation is more convenient and can be installed outdoors.
- The modularity can be combined, capacity up to 250KW.
- Safely control.
- Intelligent diagnosis, convenient for the operator to judge and overhaul the unit.
- High-quality components: the unit adopts an internationally renowned brand of high-efficiency scroll compressors with excellent performance.
- The evaporator and condenser of the unit adopt vacuum brazed plate heat exchangers, which have high efficiency and low water resistance.
- Microcomputer control, one-button start operation.

Applications



Technical Parameters

Model		QKC008	QKC012	QKC016	QKC020	QKC026	QKC030	QKC040
Cooling capacity	KW	8.2	12.2	15.8	18.8	26	31	38.8
Cooling input power	KW	1.8	2.5	3.1	3.7	5.2	6.3	7.6
Heating capacity	KW	9	12.8	17.1	20.8	29.5	33	41.6
Heating input power	KW	2.4	3.3	4.4	5.1	7.3	8.2	10.1
Max. current	A	18.6	11.3	13.4	14.2	22.6	26.8	28.4
Power supply		220V/50HZ		380V/3N~/50HZ				
User side Flow rate	m3/h	1.41	2.1	2.72	3.23	4.47	5.33	6.67
Heat source Flow rate	m3/h	1.76	2.62	3.4	4.04	5.59	6.67	8.34

Model		QKC050	QKC060	QKC080	QKC100	QKC120	QKC160
Cooling capacity	KW	51	60	76	102	120	156
Cooling input power	KW	9.75	11.8	15	20.1	23.6	30.7
Heating capacity	KW	54	63	80	105	125	160
Heating input power	KW	13.1	15.1	20.2	26	31	39
Max. current	A	36.5	39.4	50.4	73	78.8	100.8
Power supply		380V/3N~/50HZ					
User side Flow rate	m3/h	8.77	10.32	13.07	17.54	20.64	26.83
Heat source Flow rate	m3/h	10.96	12.9	16.34	21.93	25.8	33.54

Air Source Cascade Heat Pump Water Heater



Product Features

- It can provide stable high-temperature hot water under extremely cold weather conditions.
- The compressor adopts the technology of supplementing air to increase enthalpy, which can ensure higher water temperature at low ambient temperature.
- PLC controller and large-size LCD display, rich display content.
- Intelligent control technology, precise control of various conditions, while ensuring the safe operation of the unit.
- Condensed water collection and drainage design ensures unit operation reliability.
- Energy efficiency.
- Independent air duct design prevents mutual influence of axial flow fans when starting and stopping, reducing fan failure or damage.

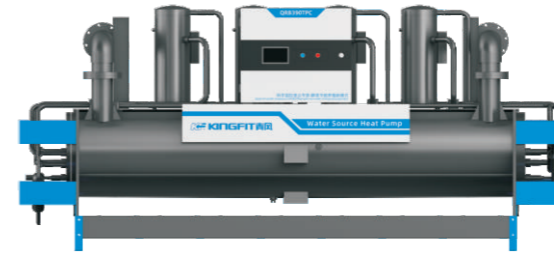
Applications



Technical Parameters

Model			QRB110FAP	QRB55FAP
High ambient temperature hot water A20°C/W75°C	Heating capacity	KW	122	62
	Input power	kW	42	22
	COP	-	2.9	2.82
Normal ambient temperature hot water A7°C/W75°C	Heating capacity	KW	106	54
	Input power	kW	40.5	21
	COP	-	2.62	2.57
Low ambient temperature hot water A-12°C/W60°C	Heating capacity	KW	82	41.5
	Input power	kW	31.2	16.5
	COP	-	2.63	2.51
Ultra-low Ambient Temperature hot water A-20°C/W6°C	Heating capacity	KW	76.2	39
	Input power	kW	31	16
	COP	-	2.45	2.43
HSPF			3.6	
Power supply			380V/3N~/50Hz	
Max. input power		kW	48	25
Max. current		A	96	50
Compressor	Mode	Full-hermetic scroll		
	Quantit	set	3	2
Water side condenser	Mode	High efficiency shell and tube		
	Flow rate	m3/h	18.9	9.5
Condensing Evaporator	Mode	High efficiency heat exchanger		
	Material	SUS304		
Axial fan	Mode	Low noise, high efficiency		
	Quantity	set	2	2
	Input power	kW	2×1.3	2×0.75
Inlet/outlet pipeline diameter			DN50	DN40
Size	Length	mm	2300	2300
	Width	mm	1080	1080
	Height	mm	2230	2200
Weight		kg	820	550

Water Source Heat Pump



Product Features

- The whole machine adopts high-efficiency scroll compressor, which can provide multi-stage capacity adjustment.
- High-efficiency heat exchanger, using professionally designed ring-fin heat exchanger.
- Low failure rate, stable heat transfer, easy maintenance.
- Modular combination, up to 8 units can be combined, and each module can operate independently.
- Large temperature difference and small flow design, saving pump energy consumption.
- Safety control, equipped with protection devices to ensure the reliable operation of the refrigeration system.

Applications



Technical Parameters

Model			QQM70	QQM105	QQM140	QQM175	QQM210	QQM280
Cooling capacity	KW		72	108	144	180	218	288
Cooling input power	KW		13	19.5	26	32.5	39	52
Heating capacity	KW		80.9	121.4	161.8	202.3	242.8	323.8
Heating input power	KW		17.9	26.9	35.8	44.8	53.8	71.6
Max. current	A		32	48.1	64	80.1	86.2	128
Power supply			380V 3N ~ /50HZ					
User side Flow rate	m3/h		12.4	18.6	24.8	31	49.5	49.5
Heat source Flow rate	m3/h		7.4	11.1	14.8	18.6	22.1	29.6

SPECIAL INDUSTRY MODELS



Climate Control Machine-all In One



Product Features

- All in one type floor standing unit, installed outdoor.
- Can be used in high humidity environment, and with air duct system for a well air distribution.
- With functions of auto control temperature, humidity, light, co2 concentration, fresh/return air, exhaust air and air circulation system.
- Machine with G3 and F5 fresh air filters and G3 return air filter. Medicine grade climate system.
- Plug and play unit, easy for installation. and less investment compare with central control water system.

Applications



Technical Parameters

Model	QSB08FPC	QSB15FPC	QSB30FPC	QSB36FPC	QSB45FPC	QSB59FPC	QSB72FPC
Cooling Capacity	8KW	13KW	28KW	32KW	41KW	56KW	64KW
Room temperature	12°C~14°C						
compressor Input power	2.37KW	3.89KW	7.92KW	8.91KW	11.81KW	15.84KW	17.82KW
Air Volume	1800m3/h	3000m3/h	6000m3/h	7000m3/h	10000m3/h	12000m3/h	15000m3/h
Refrigerant: R410A.							
Ambient temperature below:35°C							

SPECIAL INDUSTRY MODELS



Climate Control Machine-split Type



Product Features

- Brand core material: full hermetic scroll compressor, more stable operation.
- Multiple choices: complete models of outdoor unit and air cooler.
- Easy installation.
- Safe and reliable: Each room is equipped with a separate or parallel refrigeration system to ensure that production will not be affected.
- Easy maintenance: automatic detection of faults, shortening maintenance time.
- Automatic and precise temperature control: no manual adjustment, fully automatic constant temperature operation, and precise temperature control.
- Create a high-quality growing environment: the microcirculation function of the indoor fan creates a balanced growing environment for mushroom rooms.

Applications



Technical Parameters

Model	QSF08FPC	QSF15FPC	QSF30FPC	QSF36FPC	QSF45FPC	QSF59FPC	QSF72FPC
Cooling Capacity	8KW	13KW	27KW	31KW	38KW	53KW	61KW
Room temperature	12°C~14°C						
compressor Input power	2.38KW	3.92KW	7.89KW	9.07KW	11.64KW	15.78KW	18.14KW
Refrigerant: R410A.							
Ambient temperature below:35°C							

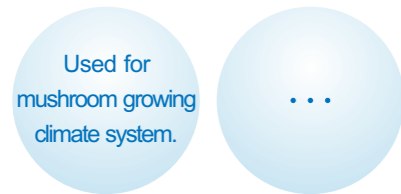
Air Handling Unit



Product Features

- Used for central control system: with functions of temperature, humidity, light and co2 auto control.
- Aluminium body and stainless steel water pan. Hot galvanized steel fan.
- Lab grade sensors, with good quality can be used in high humidity environment.
- Fan with VFD auto control fan capacity from 10% to 100%, make grow room temperature and CO2 level stable.
- With G3 and F9 Bag type fresh air filters. Less risks for mushroom growing.
- With mechanical dehumidification function by heating and cooling coil.
- We can add extra pre- cooling/heating coil for extreme weather areas.

Applications



Technical Parameters

Model	QSA080	QSA120	QSA180	QSA240
Air Flow Rate	8000m3/h	12000m3/h	18000m3/h	24000m3/h
Cooling Capacity	115KW	170KW	256KW	343KW
Chilled water temperature	Inlet water temp. 7°C, outlet water temp. 12°C			
Heating Capacity	44KW	68KW	137KW	188KW
Hot water temperature	Inlet water temp. 50°C, outlet water temp. 35°C			

Mushroom Mobile Type Cooling Machine



Product Features

- Stainless steel material will not get rust, food grade unit, with high quality and long service life.
- Rubber wheels, heavy load and not easy to be damaged.
- PLC control system, with english version screen, operation friendly.
- Very easy for installation, plug and play unit.

Applications



Technical Parameters

Model	QSP21SZ	QSP26SZ	QSP31SZ	QSP45SZ
Cooling Capacity	30.5KW	36KW	45.75KW	60.2KW
Input power	6.78KW	7.41KW	10.97KW	15.8KW
Compressor horsepower	10HP	12HP	15HP	20HP
Fan capacity	9500m3/h	13500m3/h	15000m3/h	22000m3/h
Cooling water flow rate	6.4m3/h	8m3/h	11m3/h	15.6m3/h
Water pipe diameter	DN40	DN40	DN40	DN50
Machine size	1650x850x1730mm	1650x850x1730mm	1650x850x1730mm	1650x950x2040mm
Machine Weight	338KGS	366KGS	435KGS	580KGS
Refrigerant	R410A			
Power supply	Standard:380v/50hz/3phase (can be customized as requirement)			

Mushroom Growing Container



Product Features

- Can be used for all kinds of mushroom growing.
- Within climate unit and shelving system, you just need to put mushroom bags in this container to start growing.
- We can install this container in our factory, then you can running it just by power on, help you save installation cost and time.
- Less investment, less land and less power required for a small grow room.

Applications



Standard Size: 12m x 2.3m x 2.6m (or Customized)

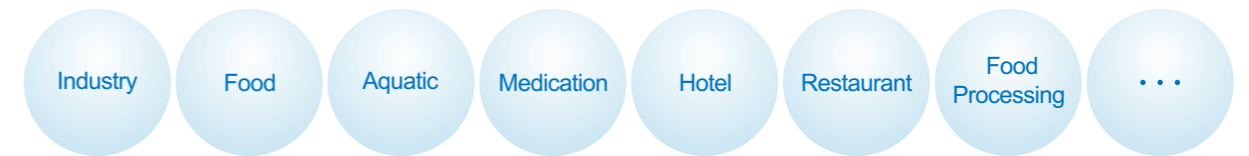
Cold Room



Product Features

- With world famous refrigeration compressors, high operation reliability.
- Including Refrigeration Unit / Semi-hermetic Condensing Units / Split Type Series / Air Cooler Series / Integrated Series
- PU Panel thickness: 50mm, 75mm, 100mm, 120mm, 150mm, 180mm, 200mm.

Applications



Flexible size, can be customized
Temperature range: -5°C to 5°C, -18°C, -30°C for option.

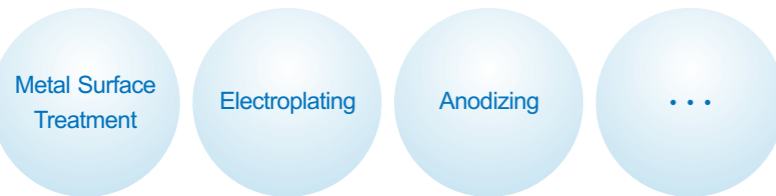
Direct Cooling Chiller



Product Features

- High efficiency and energy saving, direct cooling can save 21% energy than intercooling chiller.
- Accurate temperature control, using an anti-corrosion evaporator, the temperature difference of the chemical liquid is controlled within 2.5 degrees.
- The temperature uniformity of the chemical liquid ensures uniform color and stable quality of the product.
- Solve the problem of large consumption of electroplating brightener.

Applications



Technical Parameters

Model	QLB6FBDC	QLB8FBDC	QLB12FBDC	QLB25FBDC	QLB40FBDC
Cooling Capacity	5.7kw	7.46kw	12.7kw	25.4kw	39.2kw
COP	3.08	3.04	3.11	3.11	3.21
Input power	1.85kw	2.21kw	3.71kw	7.42kw	10.8kw
Compressor	Panasonic	Copeland			
Condenser	High efficient Fin + Copper coil type				
Evaporator	Tank + copper coil.		High efficient shell & tube		
Chilled water flow rate	16.3L/min	21.3L/min	36.4L/min	72.8L/min	112L/min

Model	QLB50FBDC	QLB60FBDC	QLB80FBDC	QLB100FBDC	QLB130FBDC
Cooling Capacity	52.5kw	58.8kw	78.4kw	94.2kw	125.6kw
COP	3.21	3.32	3.25	3.31	3.34
Input power	14.88kw	16.2kw	21.6kw	25.5kw	34kw
Compressor	Copeland				
Condenser	High efficient Fin + Copper coil type				
Evaporator	High efficient shell & tube				
Chilled water flow rate	150L/min	169L/min	225L/min	270L/min	360L/min
Refrigerant:R410A.					
Chilled water outlet temperature at 7°C					
Ambient temperature below:35°C					

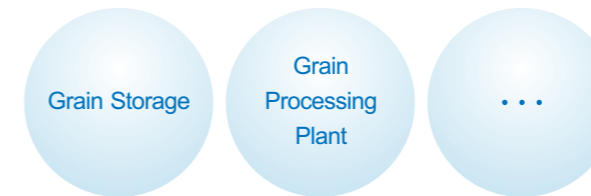
Grain Air Conditioner



Product Features

- It is easy to install and can be used after power on.
- The whole machine is made of anti-rust aluminum alloy, beautiful and elegant, corrosion-resistant.
- High efficiency and energy saving, independent judgment of room temperature difference, introduction of outdoor fresh air for cooling purpose.
- Wire controller switch, convenient to turn ON/OFF and control temperature.

Applications



Technical Parameters

Model	QGK08MC	QGK15MC	QGK18MC	QGK22MC	QGK30MC	QGK36MC	QGK48MC	
Cooling Capacity (kw)	8.5	15.7	18	22.6	28.8	34.5	46.8	
Input power (kw)	3.8	5	5.5	7.2	10.8	12.8	16.8	
Ccompressor	Full-hermetic scroll compressor: Copeland							
Flower range	≥12	≥15	≥15	≥18	≥18	≥20	≥20	
Inlet air port diameter (DN)	300	300	300	400	400	400	500	
Outlet Air Temperature	10°C ~ 26°C							
Temperature control accuracy	±1°C							
Condenser	Corrosion resistant condenser							
Evaporator	Mode	Special for fumigation exchanger						
	Air volume (m3/h)	2250	3360	3880	4800	6200	7200	9450
	External static pressure	220	285	285	310	310	320	325

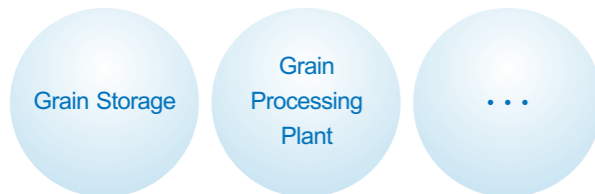
Grain Cooler



Product Features

- Frequency conversion air supply, multi-stage cooling.
- Automatic constant temperature, automatic constant humidity, hot air dehumidification "0" power consumption.
- Design of dual working conditions of fresh air and circulating air.
- Easy and flexible to move.
- PLC automatic control, easy to operate.

Applications



Technical Parameters

Model	QGL-45FA	QGL-60FA	QGL-75FA	QGL-90FA	QGL-120FA	QGL-150FA
Nominal Condition Cooling Capacity (kw)	39.75	54.4	62	81.6	93	128.8
Nominal Conditions Air Volume (m3/h)	2620	3580	4080	5370	6120	8500
Max. Range of Air Volume (m3/h)(Inverter control)	4000~7000	5000~10000		9000~15000		9000 ~ 20000
Power Supply	3PH 380V/50HZ					
Input power	20.85	24.88	26.86	41.85	44.82	57.12
Outlet Air Temperature	12°C ~ 25°C					
Outlet Air RH Range	65%~90%					
Air Pressure	2000Pa					
Air Duct Diameter (mm)	Φ500			Φ600		
Control Device	Siemens PLC					
Pressure Gauge	Oil Gauge					
Blower Control	Inverter Control					
Electrical Components	Schneider					
Main frame	With wheels and a handle					

Note: Nominal conditions: Inlet air temperature 27, RH 81%, Outlet air temperature 12, RH 75%, Static pressure 980Pa.

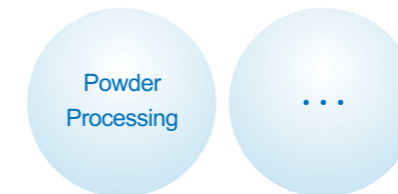
Air Cooler For Powder Processing Line



Product Features

- Dry air supply.
- Constant temperature air supply
- With hot gas bypass technology, the unit will never frost.
- Remote control.
- It can be used with the cooling water pump of the cooling tower, and the installation position is not limited.
- Two-stage filtration, effectively prevent dust from affecting the machine.
- One machine with multiple functions can provide low-temperature cold air, low-temperature cold water and post air supply at the same time.

Applications



Technical Parameters

Model	QFM300F	QFM400F	QFM500F	QFM600F	QFM800F	QFM1000F	QFM1200F
Cooling Capacity	48kw	58kw	75kw	98kw	124kw	138kw	184kw
Input power	10.1kw	12.5kw	17.6kw	21.5kw	24.2kw	33kw	40.4kw
Compressor	Copeland						
Evaporator	High efficiency aluminum copper tube sleeve aluminum fin						
Air volume (m3/h)	1000-2800	1600-3400	2500-4100	2800-5000	3500-5700	4700-7500	4500-9500
Air outlet diameter	300	300	300	350	350	400	400
Condenser	High efficiency aluminum copper tube sleeve aluminum fin						
Blower motor	1.2kw	1.5kw	1.5kw	2.2kw	2.2kw	3.6kw	3.6kw
Conditions	Inlet air temperature below 35°C, outlet air temperature 0°C-25°C						

SPECIAL INDUSTRY MODELS



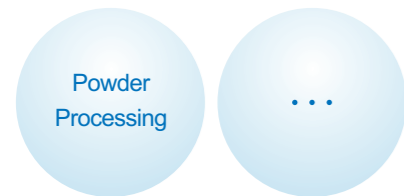
Fresh Air Cooling Dryer



Product Features

- With excellent airtightness of the whole machine.
- Excellent insulation.
- Advanced filtration prevents most dust from entering the machine.
- Long service life and can be cleaned repeatedly.

Applications



Technical Parameters

Model	QFXF300	QFXF400	QFXF500	QFXF600	QFXF800	QFXF1000	QFXF1300
Drinder Capacity (kgs/h)	300	400	500	600	800	1000	1300
Air volume (m3/h)	1350-2500	1800-3100	2250-3750	2750-4200	3600-4800	4500-5500	5400-6000
Inlet air temperature	Dry bulb 35°C, wet bulb 28°C						
Outlet air temperature	4°C-10°C						
Air outlet port diameter	350	350	350	350	400	400	400
Water flow rate (m3/h)	8.7	10.8	13.1	14.6	16.7	19.3	24.3
Water temperature	2°C-7°C						

REFERENCE PROJECT



Ultra-high temperature heat pump unit



Country: China

Project Name: Dongguang Pharmaceutical

Description:

Kingfit **ultra-high temperature heat pump** helps energy-saving transformation, and the monthly energy saving is as high as 100,000 yuan.

Screw Chiller



Country: China

Project Name: Taizhou Haishen Pharmaceutical

Description:

The combination of **flooded screw chiller** and **low temperature screw chiller** meets the requirements of environmental friendly, energy saving and intelligent remote monitoring.

Magnetic Bearing Chiller



Country: China

Project Name: JAM Aluminum Energy Saving Project

Description:

Designed an energy-saving and economical solution for JAM, the golden combination of magnetic bearing chiller + heat pump, which meets the characteristics of large-scale and high-capacity vertical lines.

REFERENCE PROJECT



Screw Chiller



Country: Indonesia

Project Name: PT. Maspion Indonesia Project

Description:

Kingfit **direct cooling screw chiller** project for cookware hard anodizing in PT. Maspion Indonesia since 2010.

Magnetic Bearing Chiller



Country: China

Project Name: Jiangyin Donghua Aluminum Technology

Description:

Kingfit **Variable frequency magnetic bearing chillers** help to upgrade its production capacity, saving 40% of energy compared to the direct-cooled screw chiller.

Magnetic Bearing Chiller



Country: China

Project Name: Yongzhen technology

Description:

12 units of 700RT **magnetic bearing chillers** for solar panel aluminum profile frame anodizing processing line. 40% More energy saving than screw chillers.

REFERENCE PROJECT



Magnetic Bearing Chiller



Country: China

Project Name: RuYiQing Biotech Mushroom Project

Description:

Total 86 units of **magnetic bearing chillers** with cooling capacity of 40,000 RT.

Magnetic Bearing Chiller



Country: Malaysia

Project Name: Champ Fungi Group Button Mushroom Project

Description:

Use Kingfit **Oil free Magnetic bearing chillers** 3 units instead of old screw chillers, energy saving more than 40%

Climate Control Machine



Country: Iraq

Project Name: Button Mushroom Project

Description:

Use total 43 units of **Kingfit mushroom climate control all in one machine**, for grow room climate control system.