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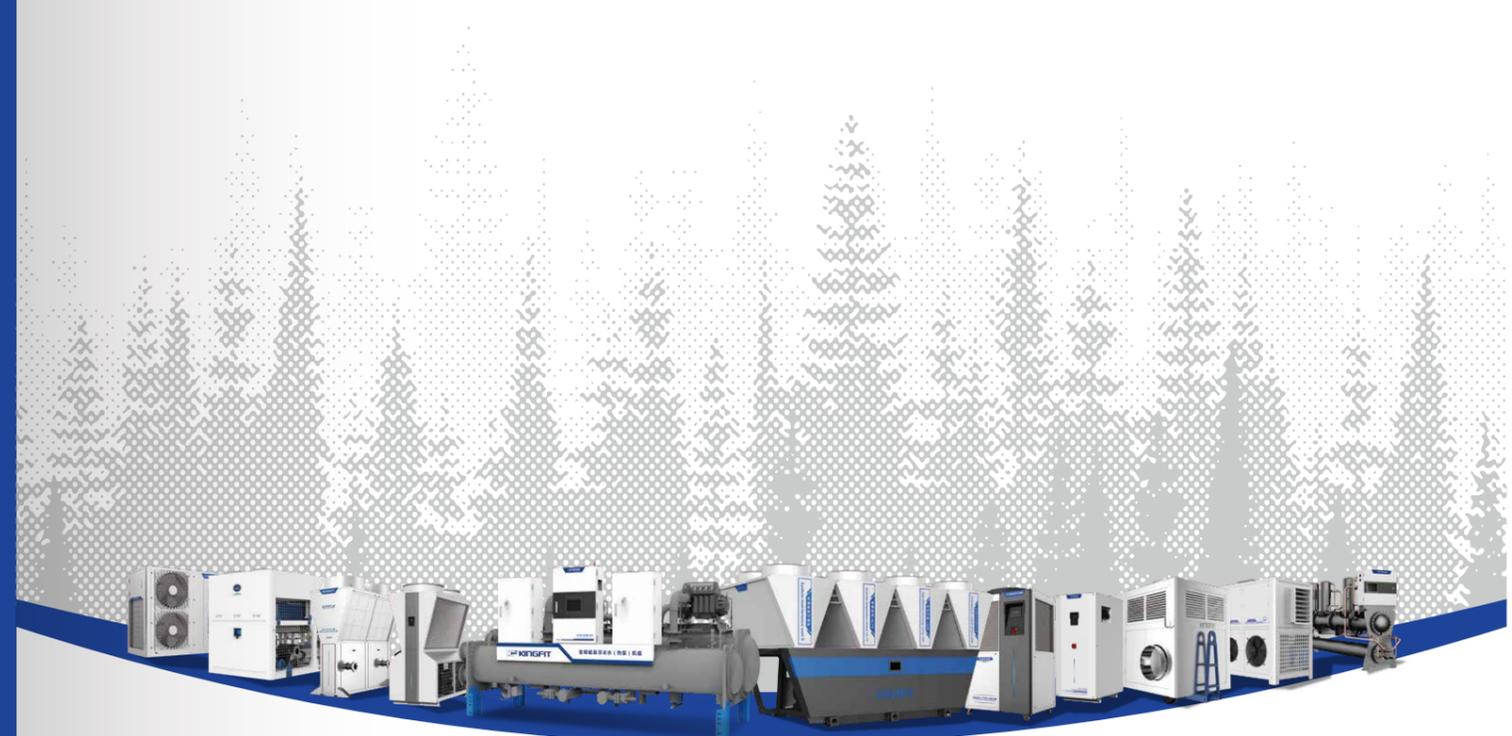
For An Efficient & Sustainable Future
SINCE 1998

KF KINGFIT



GENERAL CATALOGUE

Heating & Cooling HVAC System & Solution



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Kingfit International Co., Ltd.

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KINGFIT

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COLD ROOM



ABOUT KINGFIT



Covered Area
110000M²

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.

Export Countries
85+

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.

Partners
20000+

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 27 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.

MILESTONES OF DEVELOPMENT

1998-2003



Kingfit Start-up Period

- "Wenzhou Kingfit Refrigeration Equipment Co.Ltd" was founded
- Electroplating anti-corrosion chiller was created

2008-2011



Rapid Growth Period

- Completion of the modern factory with its own property rights
- Recognized as a national high-tech enterprise

2017-2020



Industry Deep Plowing Period

- Enterprise research institute recognized
- Large-scale application of magnetic bearing chiller unit
- Leading the preparation of "Edible Fungus Environment Unit" industry standard

2023



New Milestone Period

- Postdoctoral workstation accreditation
- Completion of the second phase of the new factory
- Completion of the new headquarter building

2004-2007



Scale Expansion Period

- Launched the first generation of screw-type anti-corrosion chiller
- Equipped with production, research and marketing capabilities, began to layout the overseas market

2012-2016



Technology Takes-off Period

- Completion of the first phase of the new manufacturing base
- Magnetic bearing chiller R&D and application

2021-2022



Strength Certification Period

- Recognized as "National Key Innovative SME"
- R&D of Magnetic bearing heat pump unit and running testing

2024



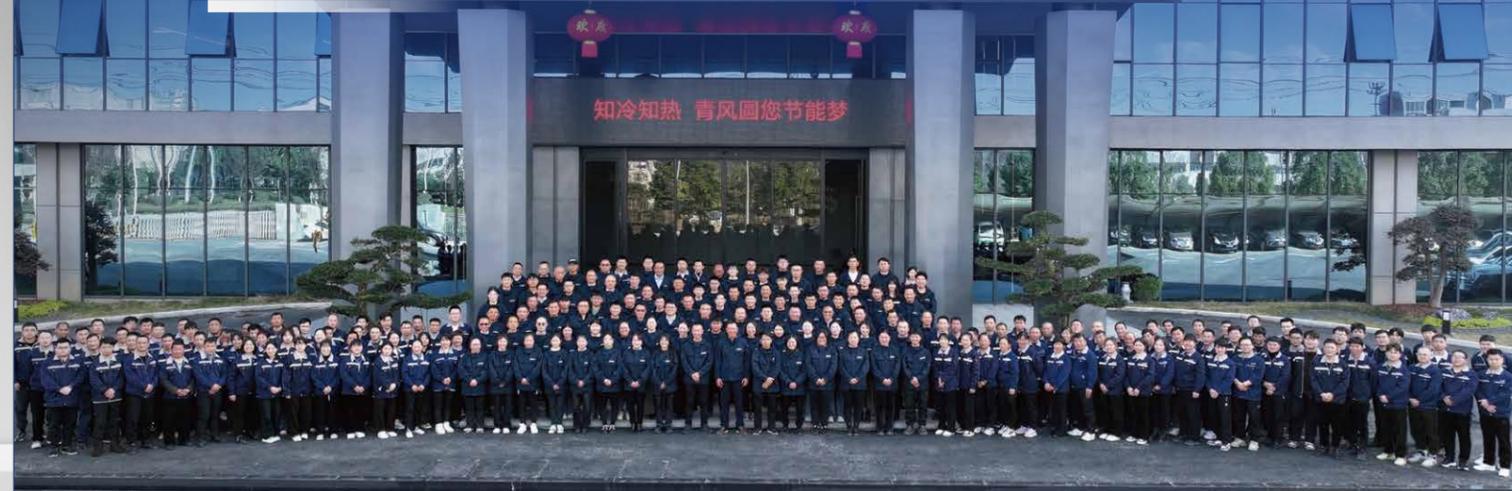
Kingfit Embarks

- KINGFIT's 26th Anniversary
- New Automated Production Line

HONOR & QUALIFICATION



KINGFIT'S TEAM



Our vibrant and innovative team at KINGFIT is committed to becoming your premier choice for artificial environment systems, driven by relentless effort and a shared vision.

KINGFIT ADVANTAGES

Strong Production Capacity

More than 380 sets of production equipment, with perfect equipment manufacturing capacity, strong supply capacity, timely delivery



Quality Guarantee

KINGFIT ensures top-tier quality through continuous innovation, precise manufacturing, and rigorous inspection with advanced international Enthalpy Labs and testing equipment.



Customized Solutions

KINGFIT provides bespoke artificial environment solutions through a dedicated team in China, ensuring exceptional customization and reliable service.



KINGFIT MAGNETIC BEARING CHILLER SERIES



Why KINGFIT

- 01** One-stop customization service
- 02** Danfoss direct supply oil-free centrifugal compressor
- 03** Air cooled, Water cooled, Evaporative cooled Full series
- 04** Deeply engaged in magnetic bearing chiller for 13 years
- 05** 3500+ global application cases

Water Cooled Magnetic Bearing Chiller



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:

Metal surface treatment, chemical industry, plastic industry, pharmaceutical, mushroom farm etc.

Technical Parameters

Model		QLC370SJAC	QLC530SJAC	QLC700SJAC	QLC1060SJAC
Cooling capacity	kW	363	530	695	1060
Max. Input power	kW	72	85	125	200
IPLV		10.7	10.7	10.7	10.7
Power supply		3PH-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	m ³ /h	81	114	150	228
Evaporator		High efficient falling film type.			
Chilled water flow rate	m ³ /h	62.4	91.2	120	182
Chilled water temperature		Inlet 12°C, outlet 7°C			

Air Cooled Magnetic Bearing Chiller



Features:

- **Water and energy saving:** Free cooling technology, low ambient temperature cooling operation, switch to natural air cooled mode, year-round operation, cost savings of 50%
- **Intelligent control:** microcomputer intelligent control, natural cooling, pre-cooling and host cooling, three modes of intelligent switching; load intelligent adjustment, 10% load normal operation.
- **Safe and reliable:** portable cabin protection design, realizing three designs of waterproof, anti-noise and dust-proof, corrosive environments, continuous operation, extreme environments, 3000 sets of application experience, paragon quality.
- **Flexible customization:** Heat exchanger material customization: copper tube, 304, 316L, aluminum brass alloy, copper-nickel alloy high tube, covering all industry applications.
- **Worry-free maintenance:** complete after-sales service system, 27 warehouse offices, Kingfit cloud monitoring, realizing "unattended", early warning monitoring, and intelligent fault handling

Magnetic Bearing Heat Pump



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:

Metal surface treatment, chemical industry, plastic industry, pharmaceutical, food industry, data center, HVAC system etc.

Technical Parameters

Model		QLC360	QLC470	QLC550	QLC720	QLC830	QLC940	QLC1020	QLC1100
Cooling Capacity	kW	359	470	550	718	829	940	1020	1100
Normal Input Power	(kW)	101	133	142	202	234	266	275	284
COP		3.55	3.53	3.87	3.55	3.54	3.53	3.71	3.87
IPLV		5.7	5.7	5.9	5.7	5.7	5.7	5.8	5.9
Power Supply		3PH-380V/50HZ							
Refrigerant		R134a							
Ambient temperature		Dry / Wet bulb temperature: 35°C/28°C							
Condenser		Air cooled high efficiency heat exchanger + EC fan							
Evaporator	Mode	High efficient falling film shell and tube type							
	Water flow rate (m ³ /h)	61.7	80.8	94.6	123.5	142.6	161.7	175.4	189.2
	Chilled water temp.	Inlet water 12°C, outlet water 7°C							

Technical Parameters

Model		High temperature series	Water (ground) source series
		QRC600SJAH	QRC620SJAG
Heating capacity	kW	598	616
Cooling capacity	kW	471	470
Max. Input power	kW	127	125
IPLV / ACOP		IPLV 8.4	ACOP 6.65
Power supply		3PH-380V/50HZ	
Refrigerant		R134a	
Condenser		High efficient shell and tube type.	
Evaporator		High efficient falling-film type.	
Hot water flow rate	m ³ /h	103	81
Hot water temperature		Inlet 55°C, outlet 60°C	Inlet 38.5°C, outlet 45°C
Chilled water flow rate	m ³ /h	81	101
Chilled water temperature		Inlet 20°C, outlet 15°C	Inlet 10°C, outlet 6°C

SCREW STYLE UNIT

Flooded Type Water Cooled Screw Chiller



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:

Metal surface treatment, chemical industry, plastic industry, pharmaceutical, mushroom farm etc.

Dry Type Water Cooled Screw Chiller



Features:

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

Applications:

Metal surface treatment, chemical industry, plastic industry, pharmaceutical, food industry, data center, HVAC system etc.

Technical Parameters

Model	QLK250SM AC	QLK300SM AC	QLK340SM AC	QLK400SM AC	QLK450SM AC	QLK510SM AC	QLK600SM AC	QLK710SM AC	
Cooling capacity	kW	241	292	332	392	440	505	603	705
	RT	69	83	95	112	125	144	171	200
Input power	kW	44	53	60	70	78	89	106	123
	COP	5.49	5.51	5.56	5.62	5.65	5.66	5.72	5.65
Model	QLK810SM AC	QLK900SM AC	QLK1030S MAC	QLK1150S MAC	QLK1210SM AC	QLK1410SM AC	QLK1610SM AC	QLK1800S MAC	
Cooling capacity	kW	807	889	1026	1148	1205	1410	1614	1778
	RT	229	253	292	326	342	401	459	505
Input power	kW	143	156	173	196	212	246	286	312
	COP	5.65	5.70	5.92	5.86	5.69	5.72	5.65	5.70
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.									

Technical Parameters

Model	QLK130SC	QLK170SC	QLK220SC	QLK250SC	QLK290SC	QLK360SC	QLK470SC	
Cooling capacity	kW	127	179	222	239	282.2	357.5	472
	RT	36	47	63	68	80	102	134
Input power	kW	29	40	48	53	60	76	100
	COP	4.32	4.41	4.58	4.51	4.69	4.71	4.71
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.								

Air Cooled Screw Chiller



Features:

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

Applications:

Data center, hospital, industry, building HVAC system etc.

Screw Heat Pump



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:

Metal surface treatment, chemical industry, plastic industry, pharmaceutical, food industry, data center, HVAC system etc.

Technical Parameters

Model		QLK190FAC	QLK220FAC	QLK260FAC	QLK310FAC	QLK350FAC	QLK410FAC	QLK480FAC
Cooling capacity	kW	193	214	266	313	351	404	481
	RT	55	61	75	89	100	115	137
Input power	kW	53.4	57.6	72.7	84.8	94.5	108.3	128.6
COP		3.61	3.72	3.66	3.70	3.72	3.73	3.74
Power supply		3PH-380V/50HZ						
Condenser		Air cooled finned heat exchanger						
Evaporator	Mode	Shell and tube heat exchanger						
Water flow rate	m ³ /h	33.2	36.8	45.7	53.9	60.5	69.4	82.8

Model		QLK560FAC	QLK630FAC	QLK700FAC	QLK800FAC	QLK960FAC	QLK1130FAC
Cooling capacity	kW	563	627	704	807	963	1126
	RT	160	178	200	230	274	320
Input power	kW	149.4	169.6	208	240.6	286.2	334.8
COP		3.77	3.70	3.72	3.73	3.74	3.77
Power supply		3PH-380V/50H					
Condenser		Air cooled finned heat exchanger					
Evaporator	Mode	Shell and tube heat exchanger					
Water flow rate	m ³ /h	96.9	107.8	121	138.9	165.6	193.7

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

Technical Parameters

Model		QRK350SMA	QRK450SMA	QRK550SMA	QRK650SMA	QRK750SMA	QRK850SMA
Heating capacity	RT	102.8	128.1	155.5	185.3	216.5	248.4
	kW	361.6	450.4	546.9	651.6	761.3	873.5
Input power	kW	73.2	88.1	109.2	129.5	150.6	174.4
COP	W/W	4.94	5.11	5.01	5.03	5.06	5.01

Model		QRK950SMA	QRK1100SMA	QRK1300SMA	QRK1500SMA	QRK1700SMA	QRK1900SMA
Heating capacity	RT	273.0	311.0	370.5	432.9	496.7	545.9
	kW	960	1093.8	1303.2	1522.6	1747	1920
Input power	kW	189.9	218.4	259	301.2	348.8	379.8
COP	W/W	5.06	5.01	5.03	5.06	5.01	5.06

Remarks:
 1. Heating condition: hot water outlet temperature 45°C, heat source side water inlet temperature 15°C;
 2. High-temperature heating condition: hot water temperature 60°C, heat source side water temperature 15°C;
 3. The system model of the highest heating water temperature 75°C

SCROLL CHILLER

Chimi Series Small Chiller



Features:

- High-efficiency micro-channel heat exchanger, heat transfer efficiency increased by 30 percent
- Precise temperature control ± 0.1 °C, microcomputer automatic sensor adjustment
- Excellent performance, well-known brand hermetic compressor
- Large flow rate, high head, real-time water pressure can be displayed, according to the needs of self-regulation
- Life expectancy of 20 years, the water tank, heat transfer coil, automatic replenishment adjustment valve are 304 stainless steel

Applications:

Plastic industry

Technical Parameters

Model		QLB3MC	QLB6MC	QLB8MC	QLB12MC	QLB20MC	QLB25MC	QLB40MC
Cooling capacity	kW	2.6	5.7	7.5	12.7	19.6	25.4	39.2
Input power	kW	0.92	1.77	2.38	3.71	5.41	7.42	10.81
Compressor		Rotor			Scroll			
Condenser		High efficient microchannel coil						
Evaporator		Stainless steel tank + coil						
Water tank		30L	40L	90L	100L	180L	180L	250L
Chilled water outlet temperature at 5-25°C Ambient temperature below:5-45°C								

X Series Scroll Air Cooled Chiller



Features:

- Modular design, the combination of up to 8 units, no need to distinguish between the slave host, to meet various needs
- Convenient air-cooled, compared with water-cooled to reduce installation and maintenance costs, reduce water quality problems and the risk of clogging
- Precise temperature control ± 0.1 °C, microcomputer automatic sensor adjustment
- High efficiency micro-channel heat exchanger, heat transfer efficiency increased by 30%.
- Excellent performance, well-known brand hermetic compressor
- Large flow, high head, can display real-time water pressure, according to the needs of independent adjustment
- Life expectancy of 20 years, the water tank, heat exchanger coil, automatic replenishment valve are made of 304 stainless steel.
- R410A refrigerant, no damage to the atmospheric ozone layer, higher efficiency.

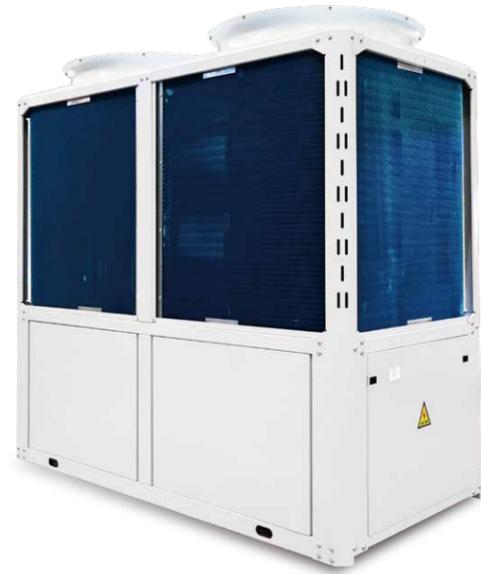
Applications:

Rubber and plastic, food, pharmaceutical, chemical fiber, electronics and other industrial processing.

Technical Parameters

Model		QLB50MPC	QLB60MPC	QLB80MPC	QLB100MPC	QLB130MPC
Cooling capacity	kW	53.8	62.5	82.5	98.87	133.5
COP		3.3	3.5	3.6	3.6	3.6
Input power	kW	18	19.6	25.6	30.4	41.1
Ambient temperature (Dry/Wet Bulb)		35/28°C				
Chilled water flow rare	m ³ /h	9.3	10.8	14.2	17.0	23.0
Chilled water temperature		inlet water 12°C, outlet water 7°C				
1、 Standard working condition: chilled water flow rate for the cooling capacity x0.172m ³ /(h-kW); chilled water outlet temperature 7°C, ambient temperature 35°C.						
2、 The unit can be equipped with built-in water pump.						

Modular Air Cooled Chiller



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:

HVAC System, Rubber and plastic, food, pharmaceutical, chemical fiber, electronics and other industrial processing.

Scroll Water Cooled Chiller



Features:

- Vertical structure integrated design, covers an area of 60% less, flexible modular combination, without additional water tanks and pumps
- High-efficiency water-cooled, compared with air-cooled in the same power consumption of 30% -50% more refrigeration
- Dual compressor precision temperature control, according to the temperature of the water in and out of the automatic start-stop
- Precise temperature control ± 0.1 °C, microcomputer automatic sensor adjustment
- One key to start and stop, configure independent power switch is more secure.
- Excellent performance, well-known brand hermetic compressor
- R410A refrigerant, no damage to the atmospheric ozone layer, higher efficiency.

Applications:

Rubber and plastic, food, pharmaceutical, chemical fiber, electronics and other industrial processing.

Technical Parameters

MODEL	KFMS23EP(R)U	KFMS45EP(R)U	
Cooling capacity	65kW	130kW	
Heating capacity	71kW	142kW	
Input power	19.5kW	39.2kW	
Compressor	Full-hermetic scroll compressor		
	Quantity	1set	2sets
	Refrigerant	R410A (11.5KGS)	R410A (23KGS)
Condensing fan	Low noise, high efficient, water proof		
	Number	2	2
	Input power	2 x 0.75kW	2 x 1.8kW
Evaporator	High-efficiency shell and tube heat exchanger		
	water inlet temperature	12°C	
	water outlet temperature	7°C	
	Chilled liquid flow(m ³ /h)	11.2	22.4
Pipe connection	Chilling liquid in & outlet	DN50	DN65
Overall size	LxWxH(mm)	2000x970x1870mm	2300x1130x2250mm
Weight (KGS)		570KGS	930KGS

Technical Parameters

Model	QLB30SLC-UU	QLB45SLC-UU	
Cooling capacity	kW	30.3	44.1
COP		4.1	4.1
Input power	kW	7.1	10.7
Condenser		Shell & Tube	
Cooling water flow rate	m ³ /h	6.5	9.4
Evaporator		Shell & Tube	
Chilled water flow rate	m ³ /h	5.2	7.6
Cooling water inlet temperature 30°C, outlet temperature 35°C;			
Chilled water inlet temperature 12°C, outlet temperature 7°C.			

Open Type Water Cooled Chiller



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:

Residential air conditioning, community heating.

Air Source Heat Pump



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:

Residential air conditioning, community heating.

Technical Parameters

Model		QLB75SPC	QLB150SPC	QLB220SPC	QLB300SPC
Cooling capacity	kW	78	150	225	300
Cooling input power	kW	17	33	49.5	66
COP		4.6	4.5	4.5	4.5
Power supply		3PH-380V/50HZ			
Condenser		Shell & Tube			
Cooling water flow rate	m ³ /h	15	30	45	60
Evaporator		Shell & Tube			
Chilled water flow rate	m ³ /h	13.4	26	39	52
Cooling water inlet temperature 30°C, outlet temperature 35°C;					
Chilled water inlet temperature 12°C, outlet temperature 7°C.					

Technical Parameters

Model			QRB30FAG	QRB60FAG
High ambient temperature hot water A20°C/W75°C	Heating capacity	kW	29	58
	Input power	kW	11.3	22.6
	COP	-	2.56	2.56
Normal ambient temperature hot water A7°C/W70°C	Heating capacity	kW	23.5	47
	Input power	kW	10.3	20.6
	COP	-	2.28	2.28
Power supply			3PH-380V/50HZ	
Max. current		A	29	58
Water side condenser	Mode		High efficiency shell and tube	
	Flow rate	m ³ /h	7.4	14.8

SPECIAL UNIT

Climate Control Unit-all In One



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:

Residential air conditioning, community heating.

Climate Unit - Split Type



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:

Used for mushrooms, cannabis, vegetables and fruits indoor farming system.

Technical Parameters

Model	QSB08FPC	QSB15FPC	QSB30FPC	QSB36FPC	QSB45FPC	QSB59FPC	QSB72FPC
Cooling capacity (kW)	7	14	27	32	38	56	65
Room temperature	12°C~14°C						
Compressor input power (kW)	2.15	3.95	7.90	9.28	10.661	16.16	18.56
Air volume (m ³ /h)	1800	3000	6000	7200	9000	12000	15000
Refrigerant: R410A.							
Ambient temperature below:35°C							

Technical Parameters

Model	QSF08FPC	QSF15FPC	QSF30FPC	QSF36FPC	QSF45FPC	QSF59FPC	QSF72FPC
Cooling capacity(kW)	8	13	27	31	38	53	61
Room temperature	12°C~14°C						
Compressor input power(kW)	2.38	3.92	7.89	9.07	11.64	15.78	18.14
Refrigerant: R410A.							
Ambient temperature below:35°C							

Air Handling Unit

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:

Used for mushroom growing climate system.



Smart Grow Farm Box

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:

Suit for mushroom beginner, family farm, research lab and tourist Farm ect.



Technical Parameters

Model	QSA080	QSA120	QSA180	QSA240
Air flow rate(m ³ /h)	8000	12000	18000	24000
Cooling capacity(kW)	115	170	256	343
Chilled water temperature	Inlet water temp. 7°C, outlet water temp. 12°C			
Heating capacity(kW)	44	68	137	188
Hot water temperature	Inlet water temp. 50°C, outlet water temp. 35°C			

Technical Parameters

Model	QGF20	QGF40
Room net volume m ³	28	67.5
Material of room body	Polyurethane + Double surface paint coated sandwich panels	
Overall Size (L x W x H) mm	6058 x 2286 x 2235	12192 x 2438 x 2896

Mushroom Mobile Type Cooling Machine



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:

Addition cooling in summer or back up unit for Mushroom cultivation, indoor farming etc.

Grain Air Conditioner



Features:

- Precise temperature control $\pm 1^\circ\text{C}$
- 20m long range
- Wide range operation, the air temperature can be adjusted from 10 to 26 $^\circ\text{C}$.
- Informatization control, control start and stop more convenient
- Multiple protection, leakage compressor overload protection, reverse phase protection, high and low voltage protection, over-temperature protection, fan overload protection, etc.
- Professional design, micro-channel aluminum flat tube anti-fumigation special evaporator, anti-corrosion special condenser, stable and efficient

Applications:

Grain storage, grain processing plant, etc.

Technical Parameters

Model	QSP21SZ	QSP26SZ	QSP31SZ	QSP45SZ
Cooling capacity(kW)	30.5	36	45.75	60.2
Input power(kW)	6.78	7.41	10.97	15.8
Compressor horsepower(HP)	10	12	15	20
Fan capacity(m ³ /h)	9500	13500	15000	22000
Cooling water flow rate(m ³ /h)	6.4	8	11	15.6
Water pipe diameter	DN40	DN40	DN40	DN50
Machine size(mm)	1650x850x1730	1650x850x1730	1650x850x1730	1650x950x2040
Machine weight(KGS)	338	366	435	580
Refrigerant	R410A			
Power supply	Standard:3PH-380V/50HZ (can be customized as requirement)			

Technical Parameters

Model	QGK18MC	QGK22MC	QGK48MC	
Cooling capacity (kW)	18	22.6	46.8	
Input power (kW)	5.5	7.2	16.8	
Compressor	Full-hermetic scroll compressor: Copeland			
Flow range	≥ 15	≥ 18	≥ 20	
Inlet air port diameter (DN)	300	400	500	
Outlet air temperature	10 $^\circ\text{C}$ ~ 26 $^\circ\text{C}$			
Temperature control accuracy	$\pm 1^\circ\text{C}$			
Condenser	Corrosion resistant condenser			
Evaporator	Mode	Special for fumigation exchanger		
	Air volume (m ³ /h)	3880	4800	9450
	External static pressure	285	310	325

Grain Cooler



Features:

- With multi-level cooling, automatic constant temperature, automatic constant humidity and other multiple modes, the system runs more stable.
- Special heat dehumidification technology, basically "0" energy consumption.
- Frequency conversion air supply, automatic adjustment according to the load, energy saving and stability
- Dual condition design, fresh air and circulating air to meet different needs
- PLC intelligent control, friendly interface, easy to operate.

Applications:

Grain storage, grain processing plant, etc.

Technical Parameters

Model	QGL-60MPC-Z	QGL-85MPC-Z	QGL-150MPC-Z
Nominal condition cooling capacity (kW)	60	75	140
Nominal conditions air volume (m ³ /h)	4000	4500	9100
Max. range of air volume (m ³ /h) (Inverter control)	10000	15000	20000
Power supply	3PH 380V/50HZ		
Input power	25.26	35.98	61.82
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.			

Fiber Laser Chiller



Features:

- Accurate temperature control: low temperature ± 1 °C high temperature ± 0.5 °C
- Fast preheating: high power heating tube + customized logic, winter preheating 30% faster:
- Intelligent management: a variety of operating modes + remote communication combination with the host for linkage, convenient and faster
- Intelligent anti-freeze: the main CPU comes with anti-freeze control logic according to the winter, ambient temperature + liquid temperature automatic anti-freeze operation of the machine

Applications:

laser cladding, welding, cutting, marking, 3D printing and other optical brazing laser.

Technical Parameters

Model	QLA1500W R-01R1U1Z	QLA3000W R-01R1U1Z	QLA4000W R-01R1U1Z	QLA6000W R-01R1U1Z	QLA10000W R-01R1U1Z	QLA15000W R-01R1U1Z	QLA20000 WR-01R1U1Z
Recommended matching continuous fiber laser(W)	1500	3000	4000	6000	10000	15000	20000
Using power	220V/50HZ			3PH-380V/50HZ			
Rated power (kW)	2.9	4.2	5.1	7.1	9.7	15.5	21.8
Electric auxiliary heat power(kW)	1/1.2	1/1.2	1/3	1/3	1/3	1/6	1/6
1.The unit cooling method is air-cooled, the use of ambient temperature 0-45 °C, relative humidity $\leq 95\%$ 2.Temperature control accuracy $\pm 1/\pm 0.5^\circ\text{C}$. 3.Built-in water tank pump							

Cold Room



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

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 Panels thickness: 50mm, 75mm, 100mm, 120mm, 150mm, 200mm.

Applications:

Cold chain, food industry, aquatic, pharmaceuticals, hotel, restaurant, etc.

Portable Integrated Air Conditioner (for Tent event)



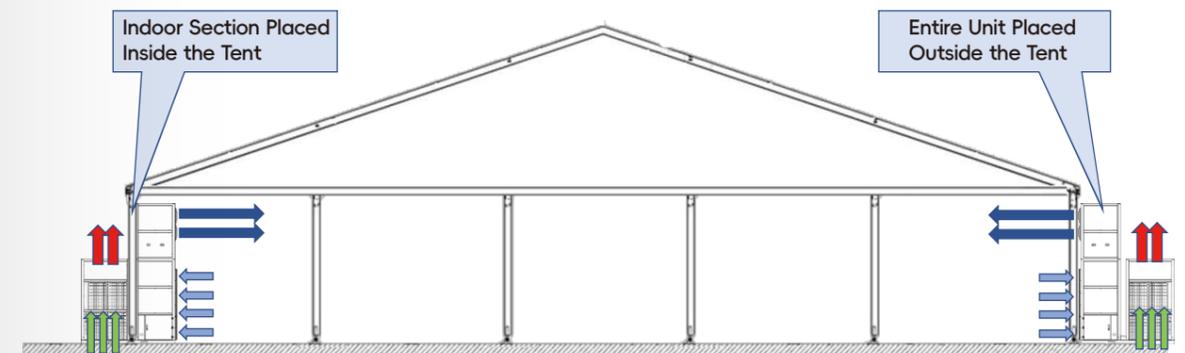
Features:

- Integrated Design: Completely assembled, Allows rapid installation, no tubes and additional ventilation.
- Customizable Tent Dimensions: The width and height of the unit perfectly match the installation and usage scenarios of the tent.
- High Air Volume and Long-Distance Air Supply: The indoor unit utilizes a high-static pressure centrifugal fan, providing a large air volume and long-distance air supply.
- Jet Nozzle Direct Blowing: The jet nozzle is adjustable in a 270° direction, offering a wide air supply range that is uniform and aesthetically pleasing.
- Exceeds Standard Central Air Conditioning Design: (Sheet metal thickness, pipeline design, electrical components), comprehensively enhancing the overall stability of the unit, as well as the reliability of the system and electrical components.

Technical Parameters

Model Parameters			QLB-K(R)28AWF15	QLB-K(R)35AWF15	QLB-K84AWF35/H	QLB-K100AWF35/H	
HP			10	12	30	40	
Cooling	Cooling capacity	kW	28.0	34.0	84.0	105.0	
	Cooling power input	kW	9.72	11.50	30.00	37.20	
Heating	Heating capacity	kW	30.0	36.00	-	-	
	Heating power input	kW	9.8	11.60	-	-	
Adjustable capacity			%	0-100	0,33, 66,100	0,33, 66,100	
E.S.P			Pa	150	350	350	
Air supply distance			m	≥15	≥25	≥25	
Blower	Type		High efficiency Centrifuga	High efficiency Centrifuga	High efficiency Centrifuga	High efficiency Centrifuga	
	Air discharge type		On top	On top	On top	On top	
	Numbers	Pcs	1	1	1	1	
Condensing fan	Type		High efficiency axial	High efficiency axial	High efficiency axial	High efficiency axial	
	Air discharge type		On top	On top	On top	On top	
	Rated air flow	m³/h	11000	12000	30000	35000	
	Numbers	Pcs	1	1	1	1	
Unit Size			mm	955*522*(747+95+785)	855*522*(747+95+785)	1100*522*(1400+150+190)	1100*522*(1400+150+190)
Qty/per &40HQ			Pcs	24	24	6	6

Installation Diagram - Direct Blowing from Static Pressure Box



TYPICAL CASES

ALUMINIUM PROFILE ANODIZING PROJECT IN MALAYSIA (LB ALUMINIUM)



Kingfit direct cooling magnetic bearing chillers, 3 units of chillers total capacity 2200kw (18°C)

SOLAR PANEL FRAME PROFILE ANODIZING IN VIETNAM YONZ (VIETNAM)



Kingfit magnetic bearing chillers total cooling capacity 34,000 kw.

PLASTIC PROCESSING PROJECT IN UGANDA



Kingfit screw chillers, 12 units of chillers total capacity 4800KW.

ALUMINIUM ANODIZING AND COOKWARE HARD ANODIZING PROJECT IN INDONESIA (PT MASPION)



Use Kingfit direct cooling screw chillers, total cooling capacity 4200kw.

MUSHROOM PROJECT IN USA (GUAN'S MUSHROOM)



1 unit of magnetic bearing chiller capacity 1060kw, and 1 unit of screw chiller capacity 2300kw.

HVAC PROJECT IN INDONESIA



Use Kingfit air cooled screw chiller total cooling capacity 2450kw.

PLASTIC PROCESSING PROJECT IN LEBANON



Kingfit magnetic bearing chillers total cooling capacity 2120kw.

BUTTON MUSHROOM PROJECT IN MALAYSIA (CHAMP FUNGI GROUP)



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

OYSTER MUSHROOM PROJECT IN NETHERLANDS (VERBRUGGEN PADDESTOELEN B.V.)



Use Kingfit Mushroom mobile type cooling machines for grow rooms addition cooling in hot summer and backup unit.

BUTTON MUSHROOM PROJECT IN IRAQ



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

YONGZHEN TECHNOLOGY ALUMINUM PROFILE PROCESSING PROJECT



Use 12 magnetic bearing chillers with a cooling capacity of 2.1 million kcal each and two heat pumps with a cooling capacity of 600,000 kcal each,satisfy the company's rated annual production requirement of 150,000 tons.These units offer rapid cooling and precise temperature control. Compared with traditional screw machines, it saves more than 50% energy and is the largest refrigeration room built in the aluminum profile field.

JIANMEI GROUP ALUMINUM PROFILE PROCESSING PROJECT



In order to the demand of Jianmei Group's two separate production lines with a monthly output of 5,000 tons each, we designed a temperature control solution using variable frequency magnetic bearing chiller units. This solution perfectly achieved efficient thermal management in the oxidation workshop, with 100% energy utilization.

LIANSHENG CHEMICAL PHARMACEUTICAL CHEMICAL PROJECT



The project uses a 2100KW (four-unit assembly) DC variable frequency chiller,enabling a 45% reduction in electricity consumption for the client.It met the client's needs for energy savings, noise reduction, and maintenance cost reduction.

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