

# CIKOR

COOLING TECHNOLOGY



- Industrial chiller
- Air cooled chiller
- Water cooled chiller
- Oil chiller



## About Cikor

With over 16 years of experience designing and building process chillers and pumps for industrial applications. We offer both air-cooled and water-cooled chiller variants at a wide range of capacities to serve your needs despite your varying circumstances and our company stocks a wide variety of models for quick delivery.

Our company has a modern factory, a beautiful office environment, and equipped with advanced sheet metal production line, a full set of fin production line. Fully automatic fluorine pipeline production equipment. We take pride in delivering high-performance solutions to meet our customers' unique requirements

### Our Mission

Lower temperature

Improve efficiency

# Smart factory

Every single detail,  
All embody our spirit of infinite exploration and excellence



Sheet metal production line



Heat exchanger production line



Copper pipe feeder



Chiller production line 1



Test area



NCTPP



CNC bending



Chiller production line 2

# Air Cooled Industrial Chiller

Cooling capacity

1.6-168kW



## Quality assurance



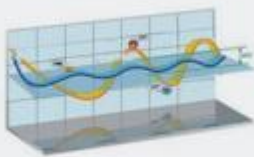
World famous brand compressor



World famous brand spare parts



High efficiency condenser



Condensing pressure control



Intelligent heating system



VF compression control system



Cloud platform system



High precision controller



Intelligent dual temperature and dual control

## Technical data

Model		CKC-0.5A	CK-1A	CK-2A	CK-3A	CK-5A	CK-6A	CK-8A	CK-10A	
Item										
Water temperature range		7-30℃								
Control accuracy		±0.5℃ & ± 1.5℃								
Communication(Optional)		RS485 communication interface,MODBUS communication protocol								
Cooling Capacity	kW	1.5	2.6	5.3	9.0	15.0	18.0	24.0	30.0	
Power supply	V/ph/Hz	220/1/50			380/3/50					
Rated power	kW	0.8	1.3	2.2	3.2	5.5	5.8	7.9	9.8	
Working current	A	3.5	6.5	10.0	7.0	11.5	12.6	15.0	18.0	
Compressor	Type	High efficiency rotary type				Flexible scroll type				
	Power	kW	0.5	0.75	1.6	2.4	4.2	4.8	6.7	8.6
Pump	Type	Stainless steel centrifugal type								
	Power	kW	0.25	0.37	0.37	0.55	0.55	0.55	0.55	0.75
	Lift	m	18	27	26	24	24	25	25	26
Water flow		m <sup>3</sup> /h	0.26	0.45	0.90	1.6	2.6	3.1	4.1	5.2
		L/min	4.3	7.5	15	27	43	52	68	87
Condenser type		High efficiency copper finned tube with internal thread								
Evaporator type		Stainless steel shell and tube type								
Refrigerant		R22/R407C/R410A								
Refrigerant Control		Capillary					Thermostatic expansion valve			
Tank volume	L	12	20	35	60	70	70	100	155	
Inlet and outlet size	DN	15	15	20	25	25	25	25	40	
Noise	dB(A)	62	65	65	68	68	69	69	69	
Weight	kg	48	85	115	162	195	245	270	310	
Dimension	L	mm	420	600	600	1000	1200	1200	1600	1600
	W	mm	420	520	600	550	600	600	750	750
	H	mm	800	875	1075	1150	1200	1200	1400	1400

Model		CK-12A	CK-15A	CK-20A	CK-25A	CK-30A	CK-40A	CK-50A	CK-60A	
Items										
Water temperature range		7-30℃								
Control accuracy		±0.5℃ & ± 1.5℃								
Communication(Optional)		RS485 communication interface,MODBUS communication protocol								
Cooling Capacity	kW	36.0	45.0	58.0	68.0	85.0	115.0	145.0	170.0	
Power supply	V/ph/Hz	380/3/50								
Rated power	kW	10.8	13.8	20.0	22.0	30.0	37.0	43.5	53.0	
Working current	A	21.0	28.5	38.0	41.0	60.0	71.5	79.0	115.0	
Compressor	Type	Flexible scroll type								
	Power	kW	9.2	11.6	16.2	18.0	25.0	30.5	36.5	43.6
Pump	Type	Stainless steel centrifugal type								
	Power	kW	1.2	1.2	1.85	1.85	1.85	3.0	3.0	4.0
	Lift	m	27	25	22	22	20	22	25	22
Water flow		m <sup>3</sup> /h	6.2	7.8	10.0	11.7	14.6	19.8	25.0	29.2
		L/min	103	130	167	196	243	329	417	486
Condenser type		High efficiency copper finned tube with internal thread								
Evaporator type		Stainless steel shell and tube type								
Refrigerant		R22/R407C/R410A								
Refrigerant Control		Thermostatic expansion valve								
Tank volume	L	155	230	230	230	300	300	300	300	
Inlet and outlet size	DN	40	40	50	50	50	50	65	65	
Noise	dB(A)	69	70	68	68	70	70	70	70	
Weight	kg	345	390	580	760	880	1050	1250	1450	
Dimension	L	mm	1600	1850	2000	2000	2450	3000	3000	3400
	W	mm	750	900	1050	1050	1050	1200	1200	1200
	H	mm	1425	1550	1650	1650	1700	1850	1850	1850

# Water Cooled Industrial Chiller

Cooling capacity  
10.0~210.0kW



ISO  
9001  
认证

CE  
认证

高效节能

多重保护

## Quality assurance



panasonic

Danfoss

World famous brand compressor

Schneider  
Electric

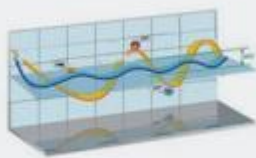
EMERSON



World famous brand spare parts



High efficiency condenser



Condensing pressure control



Intelligent heating system



VF compression control system



Cloud platform system



High precision controller



Intelligent dual temperature and dual control

## Technical data

Model		CK-03W	CK-05W	CK-06W	CK-08W	CK-10W	CK-12W	CK-15W	
Water temperature range		7-30℃							
Control accuracy		±0.5℃ & ± 1.5℃							
Communication(Optional)		RS485 communication interface,MODBUS communication protocol							
Cooling Capacity	kW	10.0	16.5	20.0	26.0	32.0	38.0	48.0	
Power supply	V/ph/Hz	380/3/50							
Rated power	kW	2.8	4.1	4.8	6.5	8.0	9.7	10.7	
Working current	A	6.0	8.2	8.8	14.2	15.0	16.5	22.5	
Compressor	Type	Rotary type			Flexible scroll type				
	Power	kW	2.2	3.5	4.2	5.5	7.0	8.5	9.5
Pump	Type	Stainless steel centrifugal type							
	Power	kW	0.55	0.55	0.55	0.55	0.75	1.2	1.2
	Lift	m	25	24	21	24	22	23	22
Water flow	m <sup>3</sup> /h	1.7	2.8	3.5	4.5	5.5	6.5	8.3	
	L/min	28	47	57	75	92	109	137	
Condenser type		High efficiency shell and tube type							
Evaporator type		Stainless steel shell and tube type							
Refrigerant		R22/R407C/R410A							
Refrigerant Control		Thermostatic expansion valve							
Tank volume	L	50	70	70	100	135	135	135	
Inlet and outlet size	DN	25	25	25	25	40	40	40	
Noise	dB(A)	56	56	56	57	57	58	58	
Weight	kg	115	148	165	200	240	290	325	
Dimension	L	mm	1000	1000	1000	1200	1200	1200	1600
	W	mm	550	550	550	700	700	700	850
	H	mm	1200	1200	1200	1400	1400	1400	1500

Model		CK-20W	CK-25W	CK-30W	CK-40W	CK-50W	CK-60W	CK-70W	
Water temperature range		7-30℃							
Control accuracy		±0.5℃ & ± 1.5℃							
Communication(Optional)		RS485 communication interface,MODBUS communication protocol							
Cooling Capacity	kW	65.0	78.0	95.0	126.0	155.0	182.0	210.0	
Power supply	V/ph/Hz	380/3/50							
Rated power	kW	15.0	17.0	22.6	28.5	33.5	41.5	53.0	
Working current	A	29.5	33.0	43.0	55.0	60.0	80.0	92.0	
Compressor	Type	Flexible scroll type							
	Power	kW	13.0	15.0	20.2	25.0	29.5	37.0	48.5
Pump	Type	Stainless steel centrifugal type							
	Power	kW	1.85	1.85	1.85	3.0	3.0	4.0	4.0
	Lift	m	25	24	23	22	20	21	22
Water flow	m <sup>3</sup> /h	11.2	13.4	16.3	21.7	26.7	31.3	36.1	
	L/min	186	224	272	361	445	522	600	
Condenser type		High efficiency shell and tube type							
Evaporator type		Stainless steel shell and tube type							
Refrigerant		R22/R407C/R410A							
Refrigerant Control		Thermostatic expansion valve							
Tank volume	L	230	230	300	300	300	300	300	
Inlet and outlet size	DN	50	50	50	50	65	65	65	
Noise	dB(A)	62	63	63	64	64	65	66	
Weight	kg	500	675	810	1050	1200	1350	1580	
Dimension	L	mm	1800	1800	2000	2450	2450	2450	3000
	W	mm	950	950	850	1050	1050	1050	1050
	H	mm	1500	1500	1750	1700	1700	1700	1700

\* Due to the continuous progress of technology, we will update products from time to time, please check company website for latest data.

# Split Industrial Chiller

Cooling capacity  
9.0~145.0kW



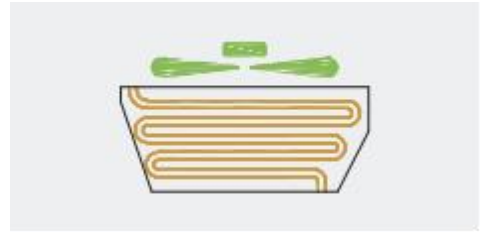
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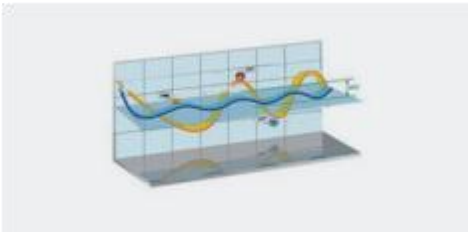
World famous brand compressor



World famous brand spare parts



World famous brand spare parts



Condensing pressure control



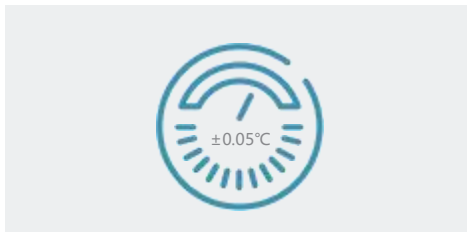
Intelligent heating system



VF compression control system



Cloud platform system



High precision controller



Intelligent dual temperature and dual control

## Technical data

Model		CK-03F	CK-05F	CK-06F	CK-08F	CK-10F	CK-12F	
Water temperature range		7-30℃						
Control accuracy		±0.5℃&±1.5℃						
Communication(Optional)		RS485 communication interface,MODBUS communication protocol						
Cooling Capacity	kW	9.0	15.0	18.0	24.0	30.0	36.0	
Power supply	V/ph/Hz	380/3/50						
Rated power	kW	3.2	5.5	5.8	7.8	9.8	11.5	
Working current	A	7.0	11.5	12.6	15.0	18.0	21.8	
Compressor	Type	Rotary type		Flexible scroll type				
	Power	kW	2.4	4.2	4.8	6.7	8.6	9.2
Pump	Type	Stainless steel centrifugal type						
	Power	kW	0.55	0.55	0.55	0.55	0.75	1.2
	Lift	m	24	24	25	25	26	27
Water flow	m <sup>3</sup> /h	1.6	2.6	3.1	4.1	5.2	6.2	
	L/min	27	43	52	68	87	103	
Condenser type		High efficiency copper finned tube with internal thread						
Evaporator type		Stainless steel shell and tube type						
Refrigerant		R22/R407C/R410A						
Refrigerant Control		Capillary		Thermostatic expansion valve				
Tank volume	L	60	70	70	100	135	135	
Inlet and outlet size	DN	25	25	25	25	40	40	
Noise	dB(A)	68	68	69	69	69	69	
Weight	kg	190	250	290	330	380	400	
Dimension	L	mm	850/950	850/950	1220/950	1220/1200	1220/1700	1500/1700
	W	mm	720/390	720/390	720/390	720/380	720/550	720/550
	H	mm	1265/750	1265/1070	1265/1070	1265/1350	1265/750	1265/750

Model		CK-15F	CK-20F	CK-25F	CK-30F	CK-40F	CK-50F	
Water temperature range		7-30℃						
Control accuracy		±0.5℃&±1.5℃						
Communication(Optional)		RS485 communication interface,MODBUS communication protocol						
Cooling Capacity	kW	45.0	58.0	68.0	85.0	115.0	145.0	
Power supply	V/ph/Hz	380/3/50						
Rated power	kW	13.8	20.0	22.0	30.0	35.3	43.5	
Working current	A	28.5	38.0	41.0	60.0	68.0	79.0	
Compressor	Type	Flexible scroll type						
	Power	kW	11.6	16.2	18.0	25.0	30.5	36.5
Pump	Type	Stainless steel centrifugal type						
	Power	kW	1.2	1.85	1.85	1.85	3.0	3.0
	Lift	m	25	25	24	23	22	25
Water flow	m <sup>3</sup> /h	7.8	10.0	11.7	14.6	19.8	25.0	
	L/min	130	167	196	243	329	417	
Condenser type		High efficiency copper finned tube with internal thread						
Evaporator type		Stainless steel shell and tube type						
Refrigerant		R22/R407C/R410A						
Refrigerant Control		Thermostatic expansion valve						
Tank volume	L	230	230	230	300	300	300	
Inlet and outlet size	DN	40	50	50	50	50	65	
Noise	dB(A)	68	68	68	70	70	70	
Weight	kg	460	680	820	1020	1250	1450	
Dimension	L	mm	1220/1900	2080/1610	2080/1610	2080/1610	2200/905	3000/1610
	W	mm	720/500	1050/905	1050/905	1050/905	1200/905	1200/905
	H	mm	1265/950	1570/1565	1570/1565	1570/1565	1570/1565	1570/1565

\* Due to the continuous progress of technology, we will update products from time to time, please check company website for latest data.

# -5 °C Air Cooled Industrial Chiller

Cooling capacity  
4.6~73kW



## Quality assurance



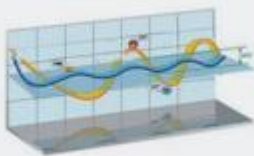
World famous brand compressor



World famous brand spare parts



High efficiency condenser



Condensing pressure control



Intelligent heating system



VF compression control system



Cloud platform system



High precision controller



Intelligent dual temperature and dual control

## Technical data

Model		CK-03Z	CK-05Z	CK-06Z	CK-08Z	CK-10Z	CK-12Z	
Water temperature range		-5-+30℃						
Control accuracy		±0.5℃ & ± 1.5℃						
Communication(Optional)		RS485 communication interface,MODBUS communication protocol						
Cooling Capacity	kW	4.6	7.0	8.5	10.8	15.0	18.0	
Power supply	V/ph/Hz	380/3/50						
Rated power	kW	3.3	4.8	6.0	7.4	9.3	10.9	
Working current	A	7.2	10.5	13.0	16.2	20.0	23.5	
Compressor	Type	Rotary type		Flexible scroll type				
	Power	kW	2.4	3.8	5.0	6.3	8.0	9.2
Pump	Type	Stainless steel centrifugal type						
	Power	kW	0.55	0.55	0.55	0.55	0.75	1.2
	Lift	m	22	21	21	25	22	23
Water flow	m <sup>3</sup> /h	0.8	1.2	1.5	1.9	2.6	3.1	
	L/min	13.1	20.0	24.3	31.0	43.0	51.6	
Condenser type		High efficiency copper finned tube with internal thread						
Evaporator type		Stainless steel shell and tube type						
Refrigerant		R22/R407C/R410A						
Refrigerant Control		Thermostatic expansion valve						
Tank volume	L	50	70	70	100	155	155	
Inlet and outlet size	DN	25	25	25	25	40	40	
Noise	dB(A)	63	66	66	67	68	68	
Weight	kg	165	200	230	260	295	320	
Dimension	L	mm	1000	1200	1200	1600	1600	1600
	W	mm	550	600	600	750	750	750
	H	mm	1150	1200	1200	1400	1400	1425

Model		CK-15Z	CK-20Z	CK-25Z	CK-30Z	CK-40Z	CK-50Z	
Water temperature range		-5-+30℃						
Control accuracy		±0.5℃ & ±1.5℃						
Communication(Optional)		RS485 communication interface,MODBUS communication protocol						
Cooling Capacity	kW	23.5	30.0	36.0	45.0	60.0	7v3.0	
Power supply	V/ph/Hz	380/3/50						
Rated power	kW	15.0	20.0	21.9	27.8	37.5	42.0	
Working current	A	32.8	45.5	49.5	62.0	85.0	97.0	
Compressor	Type	Flexible scroll type						
	Power	kW	11.6	16.2	17.8	22.9	32.2	35.8
Pump	Type	Stainless steel centrifugal type						
	Power	kW	1.2	1.85	1.85	1.85	3.0	3.0
	Lift	m	20	21	22	22	23	23
Water flow	m <sup>3</sup> /h	4.0	5.2	6.2	7.7	10.3	12.6	
	L/min	67	86	103	130	172	209	
Condenser type		High efficiency copper finned tube with internal thread						
Evaporator type		Stainless steel shell and tube type						
Refrigerant		R22/R407C/R410A						
Refrigerant Control		Thermostatic expansion valve						
Tank volume	L	230	230	230	230	300	300	
Inlet and outlet size	DN	40	50	50	50	50	65	
Noise	dB(A)	66	66	67	68	69	72	
Weight	kg	390	590	755	890	1080	1290	
Dimension	L	mm	1850	2000	2000	2450	3000	3000
	W	mm	900	1050	1050	1050	1200	1200
	H	mm	1550	1065	1065	1700	1850	1850

\*Due to the continuous progress of technology, we will update products from time to time, please check company website for latest data.

# -15°C Air Cooled Industrial Chiller

Cooling capacity:3.2~55kW



## Quality assurance

World famous brand compressor

World famous brand spare parts

High efficiency condenser

Condensing pressure control

Intelligent heating system

VF compression control system

Cloud platform system

High precision controller

Intelligent dual temperature and dual control

## Technical data

Model		CK-03D	CK-05D	CK-06D	CK-08D	CK-10D	CK-12D	
Items								
Water temperature range		-15+30℃						
Control accuracy		±0.5℃ & ± 1.5℃						
Communication(Optional)		RS485 communication interface,MODBUS communication protocol						
Cooling Capacity	kW	3.2	5.2	6.3	7.5	10.5	13.5	
Power supply	V/ph/Hz	380/3/50						
Rated power	kW	3.6	5.9	7.2	9.0	11.0	12.7	
Working current	A	8.5	13.0	15.0	20.8	24.0	28.0	
Compressor	Type	Flexible scroll type						
	Power	kW	2.8	4.8	5.6	7.2	9.2	11.0
Pump	Type	Stainless steel centrifugal type						
	Power	kW	0.75	0.75	1.3	1.3	1.3	1.3
	Lift	m	44	42	43	45	42	41
Water flow	m <sup>3</sup> /h	0.55	0.89	1.1	1.3	1.8	2.3	
	L/min	9.2	15.0	18.0	21.5	30.0	38.7	
Condenser type		High efficiency copper finned tube with internal thread						
Evaporator type		Stainless steel shell and tube type						
Refrigerant		R404A						
Refrigerant Control		Thermostatic expansion valve						
Tank volume	L	50	70	70	100	155	155	
Inlet and outlet size	DN	25	25	25	25	40	40	
Noise	dB(A)	63	66	66	67	68	68	
Weight	kg	165	200	230	260	295	320	
Dimension	L	mm	1000	1000	1000	1200	1200	
	W	mm	550	550	550	700	700	
	H	mm	1200	1200	1200	1400	1400	

Model		CK-15D	CK-20D	CK-25D	CK-30D	CK-40D	CK-50D	
Items								
Water temperature range		-15+30℃						
Control accuracy		±0.5℃ & ±1.5℃						
Communication(Optional)		RS485 communication interface,MODBUS communication protocol						
Cooling Capacity	kW	15.9	21.5	27.5	32.0	42.5	55.0	
Power supply	V/ph/Hz	380/3/50						
Rated power	kW	16.8	21.8	27.2	32.5	43.0	51.5	
Working current	A	38.0	50.0	60.8	72.5	95.5	116.0	
Compressor	Type	Flexible scroll type						
	Power	kW	11.5	16.0	18.0	23.2	32.5	36.5
Pump	Type	Stainless steel centrifugal type						
	Power	kW	2.2	2.2	3.0	3.0	4.0	4.0
	Lift	m	41	42	42	41	43	42
Water flow	m <sup>3</sup> /h	2.7	3.7	4.7	5.5	7.3	9.5	
	L/min	45.0	61.6	78.8	92.0	122.0	158.0	
Condenser type		High efficiency copper finned tube with internal thread						
Evaporator type		Stainless steel shell and tube type						
Refrigerant		R404A						
Refrigerant Control		Thermostatic expansion valve						
Tank volume	L	230	230	230	230	300	300	
Inlet and outlet size	DN	40	50	50	50	50	65	
Noise	dB(A)	66	66	67	68	69	72	
Weight	kg	390	590	755	890	1080	1290	
Dimension	L	mm	1600	1800	1800	2000	2450	
	W	mm	850	950	950	850	1050	
	H	mm	1500	1500	1500	1750	1700	

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# Air Cooled Scroll Chiller

Cooling capacity

58~480kW



## Quality assurance



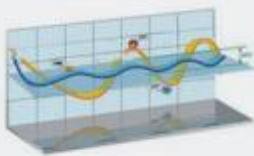
World famous brand compressor



World famous brand spare parts



High efficiency condenser



Condensing pressure control



Intelligent heating system



VF compression control system



Cloud platform system

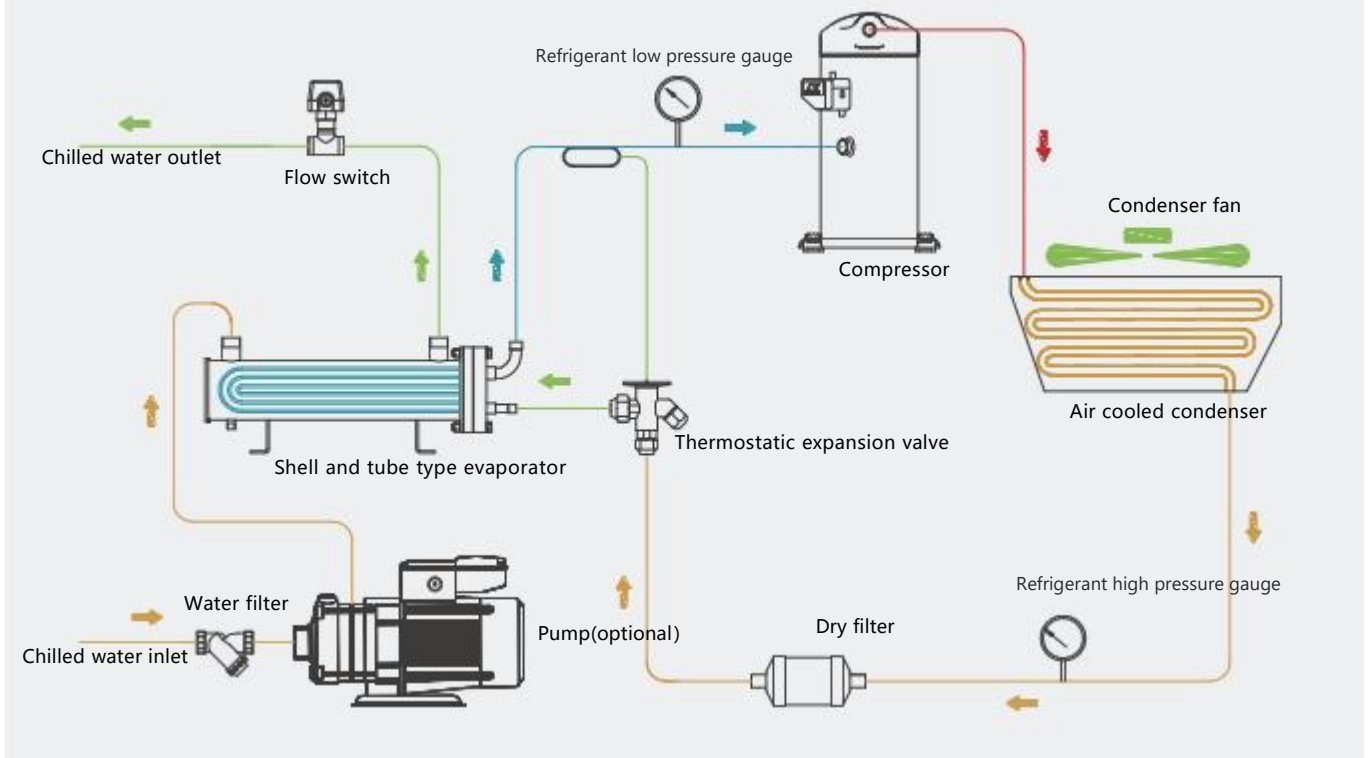


High precision controller



Intelligent dual temperature and dual control

## Quality assurance



## Technical data

Model		KWX-20A	KWX-25A	KWX-40A	KWX-50A	KWX-75A	KWX-100A	KWX-125A	KWX-150A	
Water temperature range		7-30℃								
Control accuracy		±1.5℃								
Communication(Optional)		RS485 communication interface,MODBUS communication protocol								
Cooling Capacity	kW	58.0	68.0	115.0	140.0	210.0	280.0	350.0	420.0	
Power supply	V/ph/Hz	380/3/50								
Rated power((Not including pump))	kW	17.6	19.8	35.0	39.5	60.0	79.0	99.0	118.0	
Working current(Not including pump)	A	39.0	43.8	78.0	87.0	131.0	175.0	218.0	260.0	
Compressor	Type	Flexible scroll type								
	Power	16.0	18.0	32.5	36.5	55.0	73.0	93.0	110.0	
Pump(Optional)	Type	Stainless steel centrifugal type								
	Power	1.85	1.85	3.0	3.0	5.5	7.5	7.5	11.0	
	Lift	m	25	24	28.0	27.0	23.0	28.0	23.5	21.0
Water flow	m <sup>3</sup> /h	10.0	11.7	19.8	24.0	36.1	48.0	60.2	72.2	
	L/min	167.0	195.0	330.0	400.0	600.0	800.0	1000.0	1200.0	
Condenser type		High efficiency copper finned tube with internal thread								
Evaporator type		Shell and tube type								
Refrigerant		R22/R410A/R407C					R410A			
Refrigerant Control		Thermostatic expansion valve								
Tank volume	L	50	50	50	65	80	80	100	125	
Inlet and outlet size	DN	69	70	71	71	72	73	74	75	
Noise	dB(A)	600	750	1150	1280	1900	2500	2900	3350	
Weight	kg	2000	2000	3000	3000	3500	4600	5850	6950	
Dimension	L	mm	1050	1050	1200	1200	2000	2000	2000	
	W	mm	1650	1650	1850	1850	1850	1850	1850	

\* Due to the continuous progress of technology, we will update products from time to time, please check company website for latest data.

# Water Cooled Scroll Chiller

Cooling capacity

58~480kW



## Quality assurance



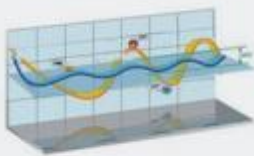
World famous brand compressor



World famous brand spare parts



High efficiency condenser



Condensing pressure control



Intelligent heating system



VF compression control system



Cloud platform system

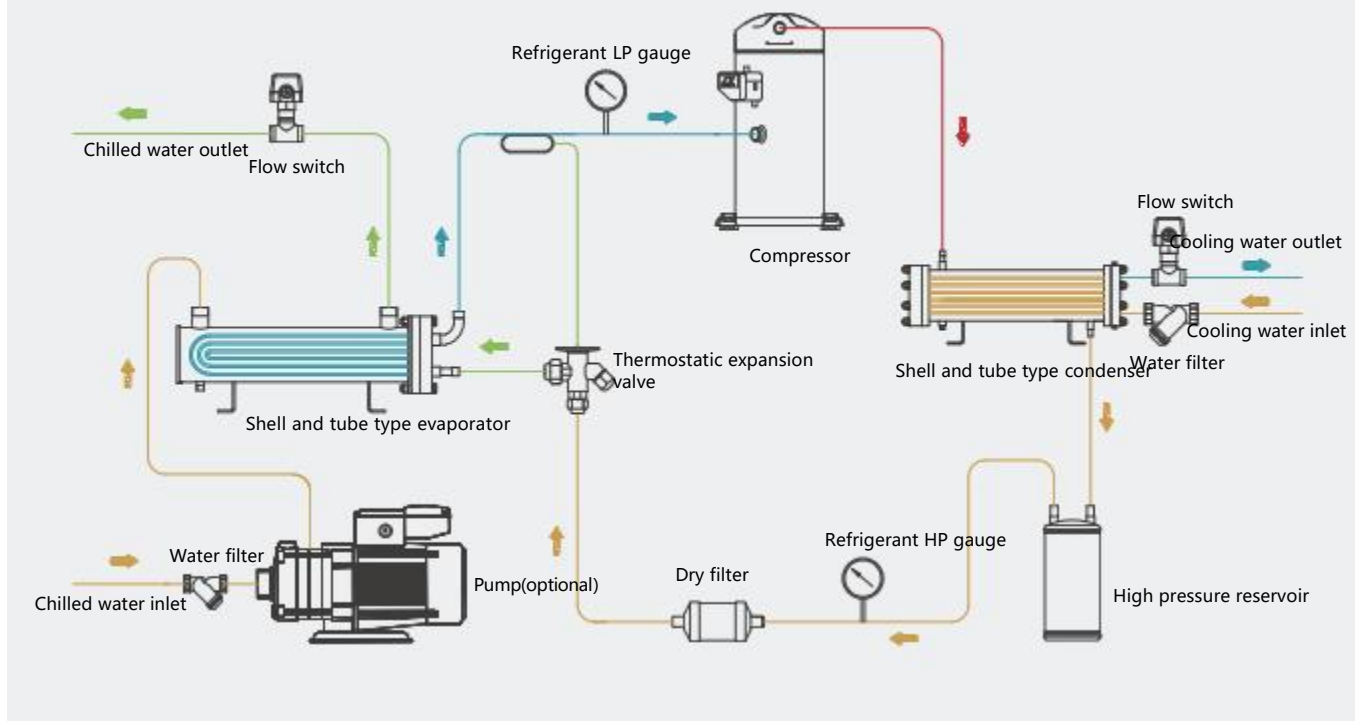


High precision controller



Intelligent dual temperature and dual control

## Quality assurance



## Technical data

Model		KWX-20W	KWX-25W	KWX-40W	KWX-50W	KWX-75W	KWX-100W	KWX-125W	KWX-150W	
Water temperature range		7-30°C								
Control accuracy		±1.5°C								
Communication(Optional)		RS485 communication interface,MODBUS communication protocol								
Cooling Capacity	kW	65	80	125	160	240	320	400.0	480	
Power supply	V/ph/Hz	380/3/50								
Rated power((Not including pump))	kW	13.5	16.5	26.5	32.3	49.0	65.0	82.0	98.0	
Working current(Not including pump)	A	26.0	31.0	47.2	61.5	92.5	123.0	146.0	186.0	
Compressor	Type	Flexible scroll type								
	Power	kW	13.5	16.5	26.5	32.3	49.0	65.0	82.0	98.0
Pump(Optional)	Type	Stainless steel centrifugal type								
	Power	kW	1.85	1.85	3.0	3.0	5.5	7.5	7.5	11.0
	Lift	m	25	24	28.0	27.0	23.0	28.0	23.5	21.0
Water flow	m <sup>3</sup> /h	11.2	13.8	21.5	27.5	41.3	55.0	68.8	82.6	
	L/min	14.0	17.2	26.9	34.5	51.6	68.8	86.0	103.2	
Condenser type	High efficiency copper finned tube with internal thread									
Evaporator type	Shell and tube type									
Refrigerant	R410A									
Refrigerant Control	Thermostatic expansion valve									
Tank volume	L	50	50	50	65	80	80	100	125	
Inlet and outlet size	DN	64	65	66	67	67	68	68	69	
Noise	dB(A)	360	400	530	760	990	1450	1580	1890	
Weight	kg	1800	1900	2200	2400	2500	2700	3000	3200	
Dimension	L	mm	800	800	800	800	800	900	950	950
	W	mm	1400	1400	1400	1500	1500	1500	1500	1500

\* Due to the continuous progress of technology, we will update products from time to time, please check company website for latest data.

# Industrial oil cooler

Cooling capacity  
1.6~115kW



## Quality assurance



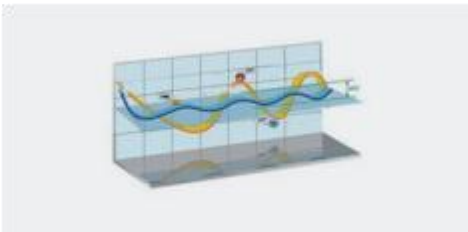
World famous brand compressor



World famous brand spare parts



High efficiency condenser



Condensing pressure control



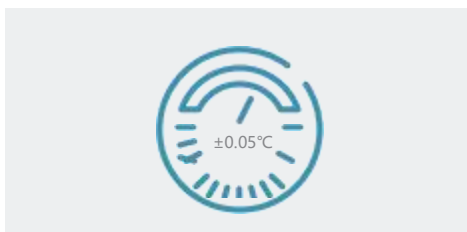
Intelligent heating system



VF compression control system



Cloud platform system



High precision controller



Intelligent dual temperature and dual control

## Technical data

Model		KY-1.6	KY-2.5	KY-4	KY-6	KY-9	KY-15	KY-24	
Water temperature range		25-40℃							
Control accuracy		±1.5℃							
Communication(Optional)		RS485 communication interface,MODBUS communication protocol							
Cooling Capacity	kW	1.6	2.5	4.0	6.0	9.0	15.0	24.0	
Power supply	V/ph/Hz	380/3/50							
Rated power	kW	1.0	1.8	2.9	3.4	4.2	6.0	8.0	
Working current	A	4.5	6.5	10.0	11.9	9.5	12.9	16.8	
Compressor	Type	High efficiency rotor type					Flexible scroll type		
	Power	kW	0.5	0.8	1.2	1.7	2.5	4.0	6.0
Oil pump	Type	Vane type				Screw type			
	Power	kW	0.4	0.75	1.5	1.5	1.5	1.5	1.5
Oil flow		m <sup>3</sup> /h	1.2	1.3	2.4	2.4	2.4	3.6	5.4
		L/min	20	22	40	40	40	60	90
Condenser type	Aluminum foil	Sinusoidal waveform hydrophilic aluminum foil							
	Copper tube	High efficiency copper pipe with internal thread							
Refrigerant		R22/R407C/R410A							
Refrigerant Control		Thermostatic expansion valve							
Safety protection		High and low pressure, flow, over current, phase sequence, low temperature, over temperature, etc							
Inlet and outlet size	DN	15	15	20	20	25	25	32	
Noise	dB(A)	61	62	63	64	65	66	66	
Weight	kg	90	100	120	145	155	210	270	
Dimension	L	mm	420	600	600	1000	1200	1200	1600
	W	mm	420	520	600	550	600	600	750
	H	mm	800	875	1075	1150	1200	1200	1400

Model		KY-30	KY-35	KY-45	KY-58	KY-70	KY-85	KY-115	
Water temperature range		25-40℃							
Control accuracy		±1.5℃							
Communication(Optional)		RS485 communication interface,MODBUS communication protocol							
Cooling Capacity	kW	30	35	45	58	70	85	115	
Power supply	V/ph/Hz	380/3/50							
Rated power	kW	11.0	13.0	15.6	20.0	23.5	34.5	41.0	
Working current	A	25.0	29.0	34.5	44.0	51.5	76.0	90.0	
Compressor	Type	Flexible scroll type							
	Power	kW	7.5	9.2	11.5	15.0	18.2	25.0	30.5
Oil pump	Type	Screw type							
	Power	kW	3.0	3.0	3.0	4.0	4.0	7.5	7.5
Oil flow		m <sup>3</sup> /h	10.2	10.2	10.2	15.0	15.0	23.4	23.4
		L/min	170	170	170	250	250	390	390
Condenser type	Aluminum foil	Sinusoidal waveform hydrophilic aluminum foil							
	Copper tube	High efficiency copper pipe with internal thread							
Refrigerant		R22/R407C/R410A							
Refrigerant Control		Thermostatic expansion valve							
Safety protection		High and low pressure, flow, over current, phase sequence, low temperature, over temperature, etc							
Inlet and outlet size	DN	40	40	40	50	50	65	65	
Noise	dB(A)	67	68	68	69	69	70	72	
Weight	kg	360	400	600	750	900	1150	1320	
Dimension	L	mm	1600	1600	1850	2000	2000	2450	3000
	W	mm	750	750	900	1050	1050	1050	1200
	H	mm	1400	1425	1550	1650	1650	1700	1850

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# 7°C Water Cold Screw Type Chiller

Cooling capacity  
4.6~73kW



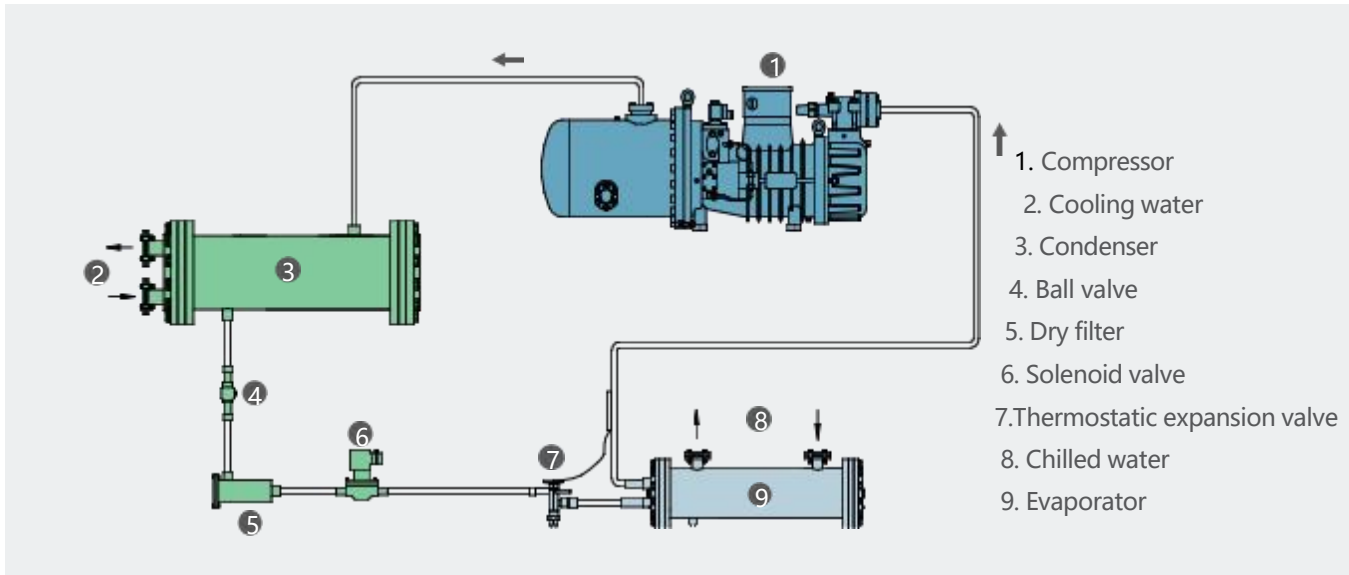
## Technical data(Single compressor)

Model		CKG-175S	CKG-195S	CKG-235S	CKG-255S	CKG-305S	CKG-350S	
Cooling Capacity	kW	175	195	235	255	305	350	
Cooling Capacity	V/ph/Hz	380/3/50						
Rated power	kW	39.5	43.2	52.5	57.5	64.6	75.0	
Compressor	Type/energy regulation	Advanced asymmetrical semi-enclosed screw type / 0-25%-50%-75%-100%						
Evaporator	Type	Horizontal shell and tube type high efficiency heat exchanger						
	Flow	m <sup>3</sup> /h	30.1	33.5	40.4	43.9	52.5	60.2
	Pipe size	DN	DN80	DN100			DN125	
Condenser	Type	Horizontal Shell and tube type efficient heat exchanger						
	Flow	m <sup>3</sup> /h	37.6	41.9	50.5	54.8	65.6	75.3
	Pipe size	DN	DN80	DN100			DN125	
Safety protection		High and low pressure, water flow, overcurrent, safety valve, power supply protection, oil level, exhaust temperature, antifreeze, etc						
Weight	kg	1260	1362	1410	1530	1580	2360	
Dimension	L	mm	3080	3150	3150	3150	3250	3250
	W	mm	1000	1000	1237	1237	1237	1237
	H	mm	1500	1540	1540	1600	1650	1650

Model		CKG-380S	CKG-419S	CKG-495S	CKG-575S	CKG-645S	CKG-750S	
Cooling Capacity	kW	380	419	495	575	645	750	
Cooling Capacity	V/ph/Hz	380/3/50						
Rated power	kW	81.6	91.0	106.0	121.0	135.0	155.0	
Compressor	Type/energy regulation	Advanced asymmetrical semi-enclosed screw type / 0-25%-50%-75%-100%						
Evaporator	Type	Horizontal shell and tube type high efficiency heat exchanger						
	Flow	m <sup>3</sup> /h	65.4	72.0	85.0	99.0	110.0	129.0
	Pipe size	DN	DN125			DN150		
Condenser	Type	Horizontal shell and tube type high efficiency heat exchanger						
	Flow	m <sup>3</sup> /h	81.7	90.0	106.5	123.6	137.0	161.3
	Pipe size	DN	DN125			DN150		
Safety protection		High and low pressure, water flow, overcurrent, safety valve, power supply protection, oil level, exhaust temperature, antifreeze, etc						
Weight	kg	1950	2050	2200	2445	2800	2950	
Dimension	L	mm	3400	3400	3400	3650	4000	4000
	W	mm	1150	1150	1150	1350	1400	1400
	H	mm	1670	1670	1670	1900	2000	2000

\*\* Due to the continuous progress of technology, we will update products from time to time, please check company website for latest data.

7°C water cooled screw chiller



### Technical data(Double compressor)

Model		CKG-350D	CKG-385D	CKG-465D	CKG-515D	CKG-608D	CKG-660D	
Cooling Capacity	kW	350	385	465	515	608	660	
Cooling Capacity	V/ph/Hz	380/3/50						
Rated power	kW	78.5	87.0	106.0	115.0	130.0	138.0	
Compressor	Type/energy regulation	Advanced asymmetrical semi-enclosed screw type / 0-25%-50%-75%-100%						
Evaporator	Type	Horizontal shell and tube type high efficiency heat exchanger						
	Flow	m <sup>3</sup> /h	60.0	66.2	80.0	88.6	105.0	114.0
	Pipe size	DN	DN125			DN150		
Condenser	Type	Horizontal shell and tube type high efficiency heat exchanger						
	Flow	m <sup>3</sup> /h	75.3	82.8	100.0	110.8	130.8	142.0
	Pipe size	DN	DN125			DN150		
Safety protection		High and low pressure, water flow, overcurrent, safety valve, power supply protection, oil level, exhaust temperature, antifreeze, etc						
Weight	kg	1370	2410	2600	2700	2900	3050	
Dimension	L	mm	3980	3980	3980	4060	4060	4060
	W	mm	1170	1170	1170	1320	1320	1320
	H	mm	1660	1660	1660	1700	1700	1700

Model		CKG-700D	CKG-760D	CKG-835D	CKG-990D	CKG-1050D	CKG-1160D	
Cooling Capacity	kW	700	760	835	990	1050	1160	
Cooling Capacity	V/ph/Hz	380/3/50						
Rated power	kW	150.0	164.0	182.0	211.0	223.0	245.0	
Compressor	Type/energy regulation	Advanced asymmetrical semi-enclosed screw type / 0-25%-50%-75%-100%						
Evaporator	Type	Horizontal shell and tube type high efficiency heat exchanger						
	Flow	m <sup>3</sup> /h	120.5	130.8	143.6	170.3	180.0	200.0
	Pipe size	DN	DN150			DN200		
Condenser	Type	Horizontal shell and tube type high efficiency heat exchanger						
	Flow	m <sup>3</sup> /h	150.5	163.5	180.0	213.0	226.0	250.0
	Pipe size	DN	DN150			DN200		
Safety protection		High and low pressure, water flow, overcurrent, safety valve, power supply protection, oil level, exhaust temperature, antifreeze, etc						
Weight	kg	3450	3700	3900	4200	4400	4650	
Dimension	L	mm	4270	4270	4270	4290	4290	4700
	W	mm	1320	1340	1340	1450	1450	1450
	H	mm	1700	1950	1950	2035	2035	2035

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# -5°C Water Cooled Screw Type Chiller

Cooling capacity 115~760kW



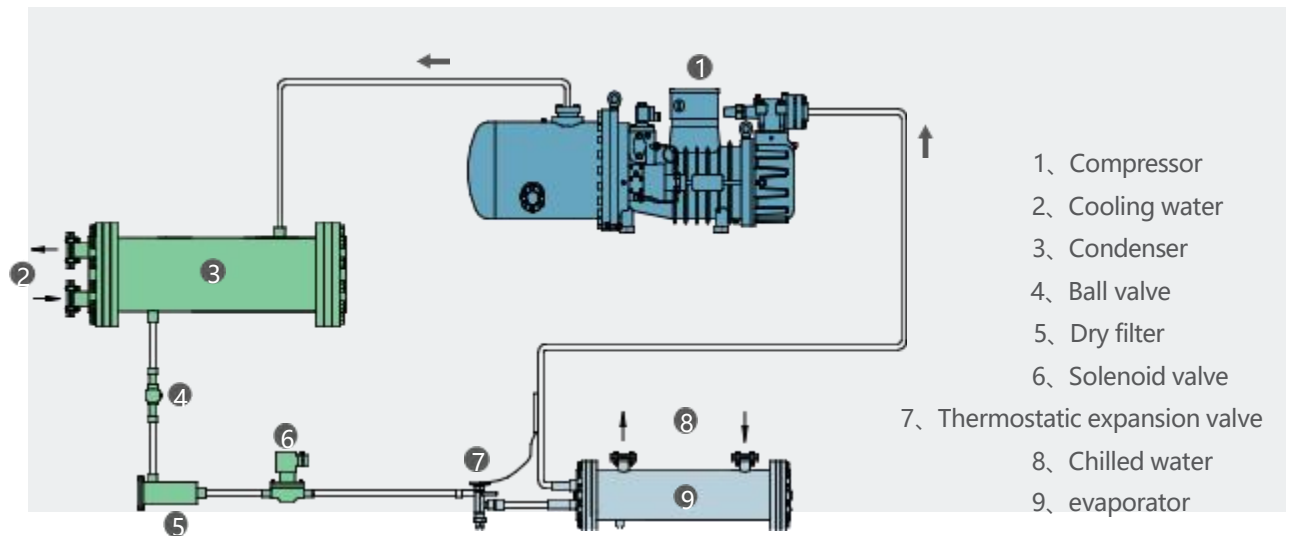
## Technical data(Single compressor)

Model			CKG-115SZ	CKG-125SZ	CKG-158SZ	CKG-175SZ	CKG-192SZ	CKG-230SZ
Cooling Capacity	kW		115	125	158	175	192	230
Cooling Capacity	V/ph/Hz		380/3/50					
Rated power	kW		36.0	39.5	50.0	53.0	56.0	67.0
Compressor	Type/energy regulation		Advanced asymmetrical semi-enclosed screw type / 0-25%-50%-75%-100%					
Evaporator	Type		Horizontal shell and tube type high efficiency heat exchanger					
	Flow	m <sup>3</sup> /h	19.8	21.5	27.2	30.1	33.0	39.6
	Pipe size	DN	DN80	DN100				DN125
Condenser	Type		Horizontal shell and tube type high efficiency heat exchanger					
	Flow	m <sup>3</sup> /h	24.8	26.8	34.0	37.8	41.3	50.0
	Pipe size	DN	DN80	DN100				DN125
Safety protection			High and low pressure, water flow, overcurrent, safety valve, power supply protection, oil level, exhaust temperature, antifreeze, etc					
Weight	kg		1330	1450	1500	1650	1800	1900
Dimension	L	mm	3080	3080	3150	3150	3165	3400
	W	mm	1000	1000	1000	1000	1100	1150
	H	mm	1500	1500	1540	1540	1570	1670

Model			CKG-248SZ	CKG-268Z	CKG-325SZ	CKG-380SZ	CKG-420SZ	CKG-490SZ
Cooling Capacity	kW		248	268	325	380	420	490
Cooling Capacity	V/ph/Hz		380/3/50					
Rated power	kW		72.5	80.5	92.0	109.0	122.0	140.0
Compressor	Type/energy regulation		Advanced asymmetrical semi-enclosed screw type / 0-25%-50%-75%-100%					
Evaporator	Type		Horizontal shell and tube type high efficiency heat exchanger					
	Flow	m <sup>3</sup> /h	42.7	46.0	56.0	65.5	72.3	84.3
	Pipe size	DN	DN125				DN150	
Condenser	Type		Horizontal shell and tube type high efficiency heat exchanger					
	Flow	m <sup>3</sup> /h	53.3	57.6	70.0	81.7	90.3	105.4
	Pipe size	DN	DN125				DN150	
Safety protection			High and low pressure, water flow, overcurrent, safety valve, power supply protection, oil level, exhaust temperature, antifreeze, etc					
Weight	kg		2050	2150	2320	2580	2900	3500
Dimension	L	mm	3400	3400	3400	3650	4000	4000
	W	mm	1150	1150	1260	1350	1400	1400
	H	mm	1670	1670	1770	1900	2000	2000

\*Due to the continuous progress of technology, we will update products from time to time, please check company website for latest data.

## System principle diagram



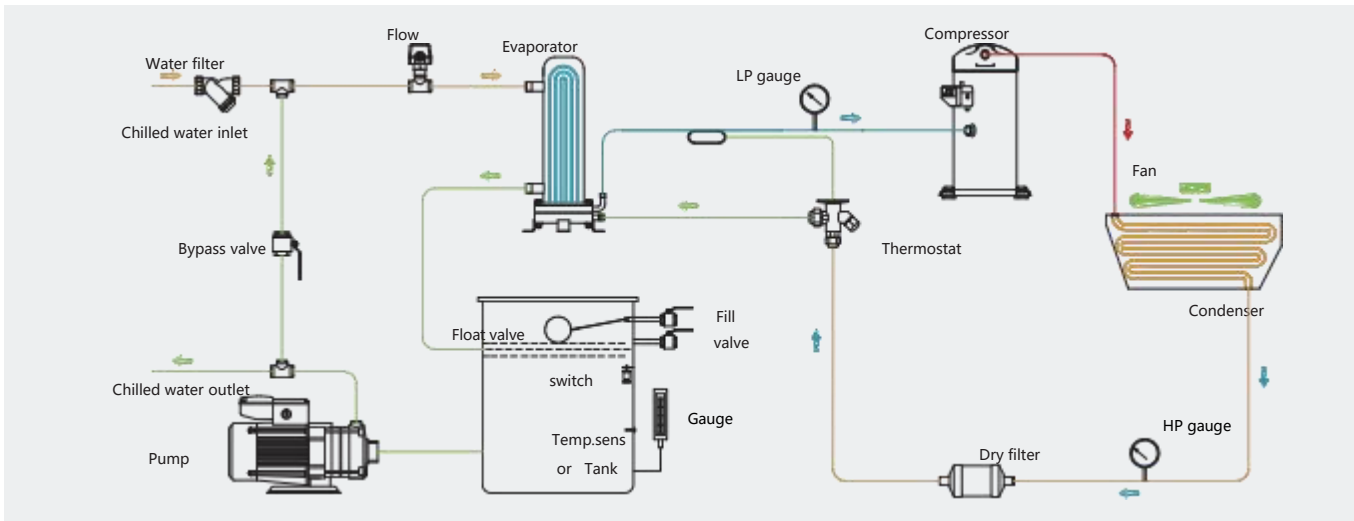
## Technical data(Double compressor)

Model		CKG-225DZ	CKG-245DZ	CKG-315DZ	CKG-340DZ	CKG-385DZ	CKG-430DZ	
Cooling Capacity	kW	225	245	315	340	385	430	
Cooling Capacity	V/ph/Hz	380/3/50						
Rated power	kW	71.5	79.0	99.0	105.0	112.0	127.2	
Compressor	Type/energy regulation	Advanced asymmetrical semi-enclosed screw type / 0-25%-50%-75%-100%						
Evaporator	Type	Horizontal shell and tube type high efficiency heat exchanger						
	Flow	m <sup>3</sup> /h	38.7	42.0	54.2	58.5	66.2	74.0
	Pipe size	DN	DN125			DN150		
Condenser	Type	Horizontal shell and tube type high efficiency heat exchanger						
	Flow	m <sup>3</sup> /h	48.4	52.7	67.8	73.0	82.8	92.5
	Pipe size	DN	DN80*2			DN100*2		
Safety protection		High and low pressure, water flow, overcurrent, safety valve, power supply protection, oil level, exhaust temperature, antifreeze, etc						
Weight	kg	2580	2720	2830	3050	3200	3500	
Dimension	L	mm	3980	3980	3980	3980	4060	4060
	W	mm	1170	1170	1170	1170	1320	1320
	H	mm	1660	1660	1660	1660	1700	1700

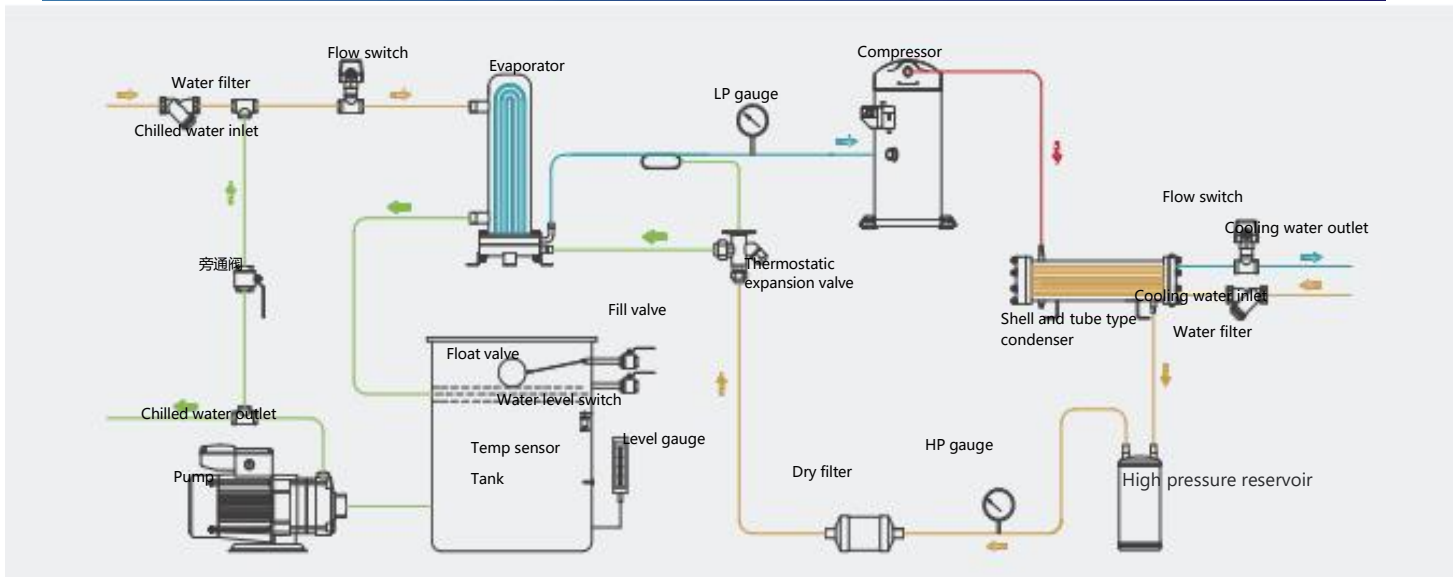
Model		CKG-455DZ	CKG-495DZ	CKG-530DZ	CKG-650DZ	CKG-680DZ	CKG-760DZ	
Cooling Capacity	kW	455	495	530	650	680	760	
Cooling Capacity	V/ph/Hz	380/3/50						
Rated power	kW	135.0	145.0	160.5	185.0	198.5	218.0	
Compressor	Type/energy regulation	Horizontal shell and tube type high efficiency heat exchanger						
Evaporator	Type	Horizontal shell and tube type high efficiency heat exchanger						
	Flow	m <sup>3</sup> /h	78.2	85.2	91.2	112.0	117.0	130.8
	Pipe size	DN	DN150			DN200		
Condenser	Type	Horizontal shell and tube type high efficiency heat exchanger						
	Flow	m <sup>3</sup> /h	97.8	106.5	114.0	140.0	146.0	163.5
	Pipe size	DN	DN125*2			DN150*2		
Safety protection		High and low pressure, water flow, overcurrent, safety valve, power supply protection, oil level, exhaust temperature, antifreeze, etc						
Weight	kg	3650	3880	4100	4400	4650	4900	
Dimension	L	mm	4270	4270	4290	4290	4700	4700
	W	mm	1320	1340	1350	1350	1350	1350
	H	mm	1700	1950	2035	2035	2035	2035

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## Air cooled chiller - system principle diagram



## Water cooled chiller - system principle diagram



Jinan Cikor Machinery Col.,Ltd

Website: [www.cikormachine.com](http://www.cikormachine.com)

Email: [eliza@cikormachine.com](mailto:eliza@cikormachine.com)

Tel/WhatsApp +:86 13173025103