



WATER-COOLED SCREW CHILLER



| 59 R134a Water-cooled Screw Chiller

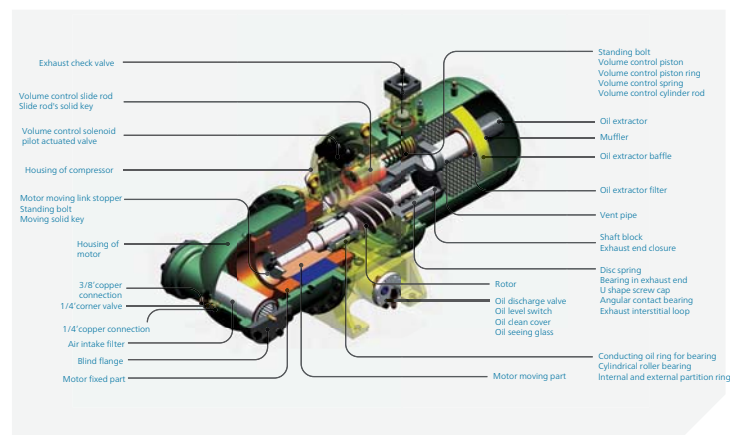
| 73 R22 Water-cooled Screw Chiller

WATER-COOLED SCREW CHILLER

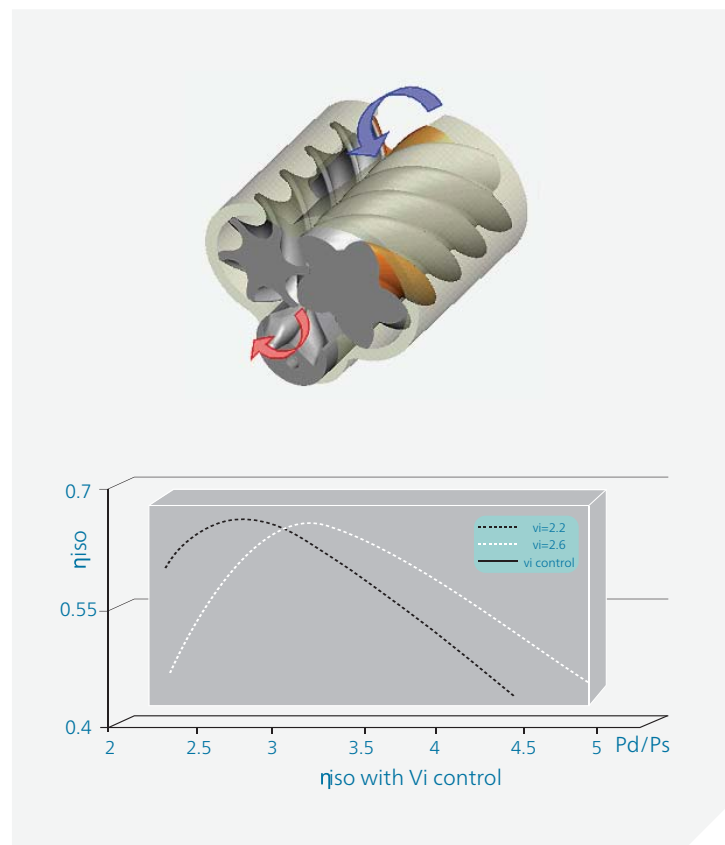
High Efficiency

High efficient compressor

- Adopt international famous brand twin-screw compressor.
- 5:6 structure. ■ Slide valve.
- Save 10% energy comparing with common screw compressor.



Compressor cut-view



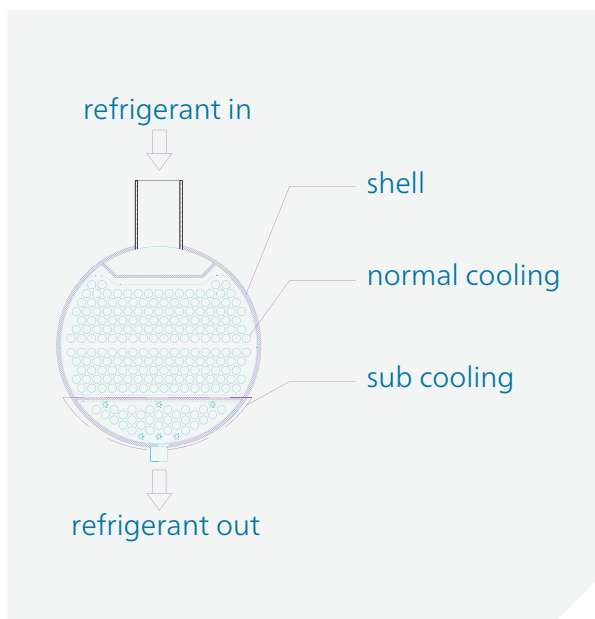
WATER-COOLED SCREW CHILLER

R134a

High Efficiency

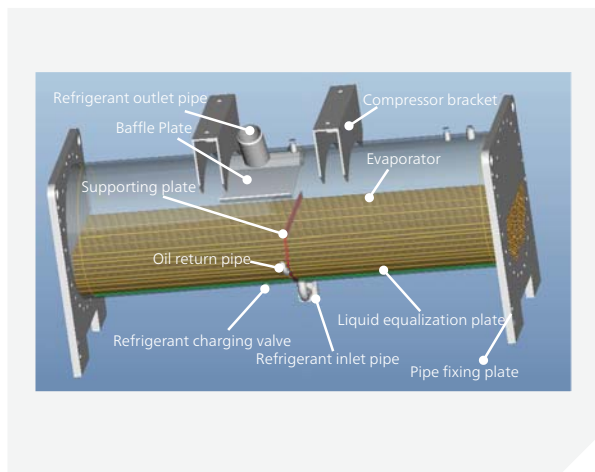
Sub cooling design

The condenser have the sub cooling design , which makes the refrigerant cooling for another degrees , capacity increase 6 %



Flooded type heat exchanger

- Flooded type heat exchanger, high efficient heat exchange, easy to clean dirt and the whole seal has no leakage.
- Innovative single path design, reduce water side resistance loss.
- Particular inner circle heat transfer and liquid balanced board design make every tube can transfer heat well.



High Reliability

Tornado type oil separator

- Tornado patent design.
- Oil separator efficiency reaches more than 99.9%.
- Reduce refrigerant side thermo resistance effectively.
- Increase heat exchange efficiency.



Protection device

There are lots of protection device to ensure the equipment to run stably.

Compressor motor protector:
ensure compressor run normally



Pressure switch:
keep the products run in the normal range pressure.



Pressure sensor :
second protection in pressure control



Water flow switch:
ensure the water flow to equipment when product turn on



Safety valve:
In case of fire , stop the equipment from dangerous



WATER-COOLED SCREW CHILLER

Easy Installation

Reserved refrigerant

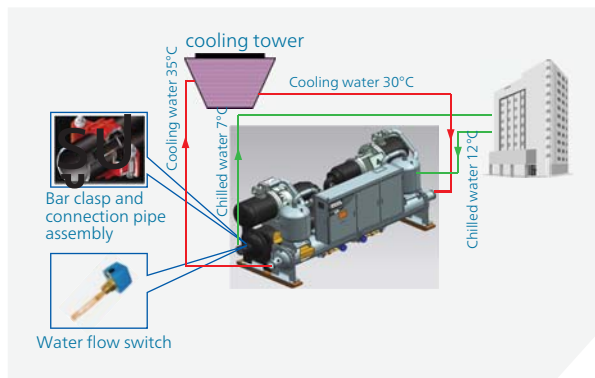
Standard Products is with refrigerant inside, installer just need install the pipe and power supply.

Standard water flow switch

Water flow switch is standard part , no need to purchase another.

Standard bar clasp and connection pipe assembly

Bar clasp and connection pipe assembly are standard part, the pipe connection is easier.



Convenience

Functional control screen

7 inch colorful touch screen.

Status: Water temperature, pressure/current/pump/running curve/history curve

Timer: Weekly timer

Error: Error history check

User: Local control/BMS control



PLC design

PLC programmable controller improve the reaction speed and reliability;



R134a WATER-COOLED SCREW CHILLER



MODEL			CI0350PWNC	CI0425PWNC	CI0530PWNC	CI0670PWNC	CI0750PWNC
Cooling capacity	RT		100	121	150	191	215
	kW		350	425	528	670	755
Power input	kW		62.5	75.5	93.5	117.0	133.0
Max power input	kW		89	108	136	168	200
EER	W/W		5.60	5.63	5.65	5.73	5.68
Starting current	A		450	450	704	768	1010
Max. running current	A		150	183	226	280	343
Compressor	Type		1				
	Quantity		Semi-Hermetic screw chiller				
Capacity control	Ph/V/Hz		25%, 50%, 75%, 100%				
Power supply			3N~380V.50Hz				
Controller type			PLC				
Refrigerant throttle type			EEV				
Refrigerant	Type		R134a				
	Type		flooded type				
Evaporator	Water inlet/outlet temp.	°C	12°C/7°C				
	Rated water flow	m³/h	60	73	91	115	130
	Water side resistance	KPa	99	86	97	99	99
	Inlet/outlet pipe	DN(mm)	100	125	125	125	150
	Water dirt coefficient	m²·°C/kW	0.018				
	Standard pressure	MPa	1.0				
	Type		Shell&tube heat exchanger				
Condenser	Water inlet/outlet temp.	°C	30°C/35°C				
	Rated water flow	m³/h	71	86	107	135	153
	Water side resistance	KPa	97	84	98	99	99
	Inlet/outlet pipe	DN(mm)	100	125	125	125	150
	Water dirt coefficient	m²·°C/kW	0.044				
	Standard pressure	MPa	1.0				
	Type		Shell&tube heat exchanger				
External dimension	Unit length	mm	2850	2850	3400	3400	3650
	Unit width	mm	1600	1700	1850	1900	2050
	Unit height	mm	1900	1950	2000	2050	2150
Package dimension	Unit length	mm	3050	3050	3600	3600	3850
	Unit width	mm	1700	1800	1950	2000	2150
	Unit height	mm	2250	2300	2350	2400	2500
Weight	Unit weight	kg	2800	2950	3450	3600	4350
	Gross weight	kg	2900	3050	3550	3700	4470
	Operation weight	kg	3000	3170	3690	3880	4680

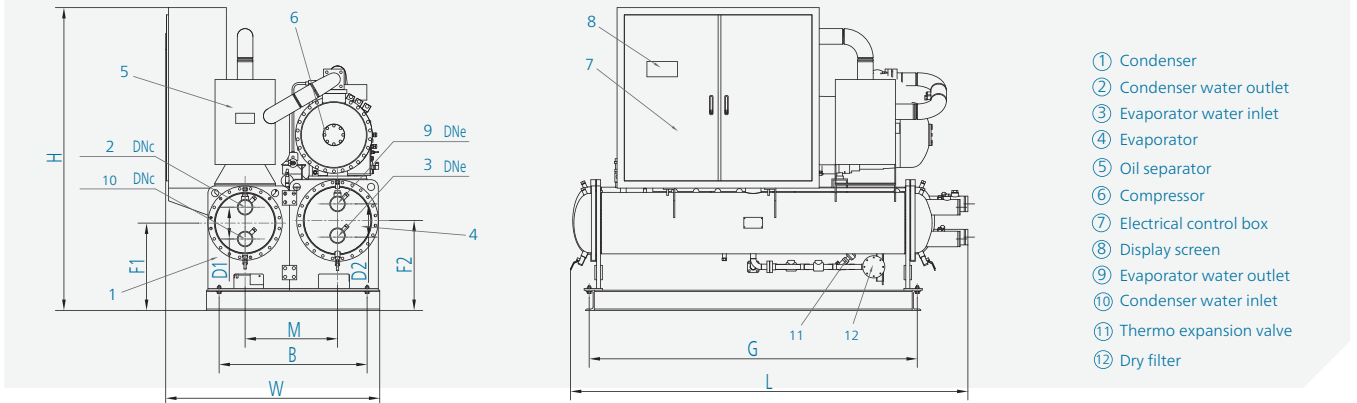
R134a WATER-COOLED SCREW CHILLER



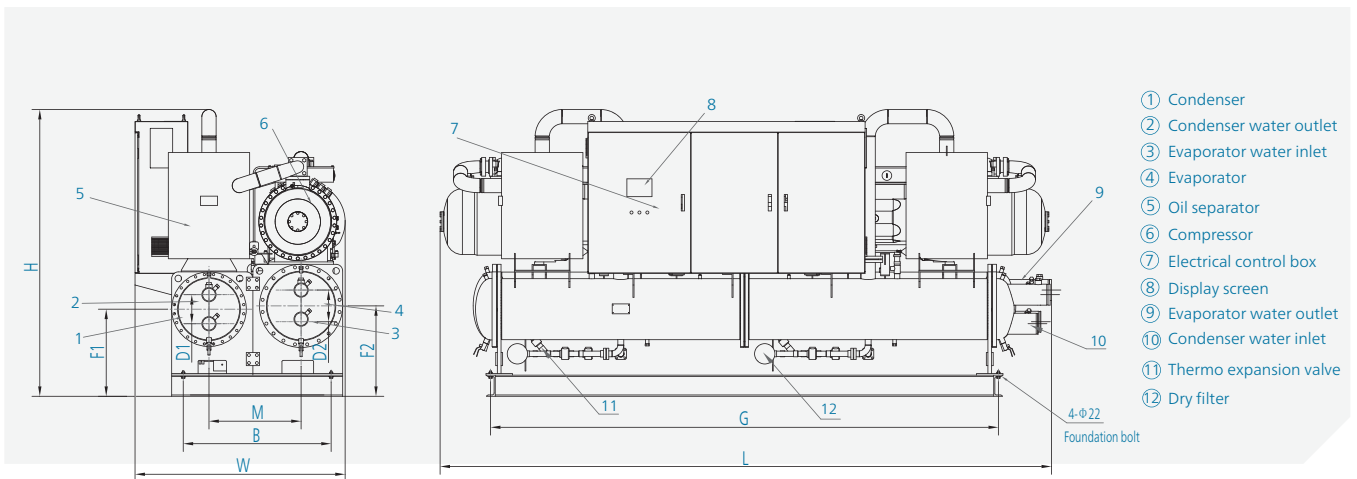
MODEL		CI0810PWNC	CI0860PWNC	CI0960PWNC	CI1070PWNC	CI1160PWNC	CI1350PWNC	
Cooling capacity	RT	230	245	275	306	330	384	
	kW	810	860	966	1075	1160	1350	
Power input	kW	142.0	153.0	172.0	190.0	205.0	232.0	
Max power input	kW	200	216	246	272	290	336	
EER	W/W	5.70	5.62	5.62	5.66	5.66	5.82	
Starting current	A	619	633	909	930	946	1048	
Max. running current	A	338	366	410	452	484	560	
Compressor	Type	2						
	Quantity	Semi-Hermetic screw chiller						
Capacity control	Ph/V/Hz	12.5%,25%, 37.5%,50%, 62.5%,75%, 87.5%,100%						
Power supply		3N~380V.50Hz						
Controller type		PLC						
Refrigerant throttle type		EEV						
Refrigerant	Type	R134a						
Evaporator	Type	flooded type						
	Water inlet/outlet temp.	°C	12°C/7°C					
	Rated water flow	m ³ /h	139	148	166	185	200	232
	Water side resistance	KPa	65	53	65	99	99	66
	Inlet/outlet pipe	DN(mm)	150	150	150	200	200	200
	Water dirt coefficient	m ² .°C/kW	0.018					
	Standard pressure	MPa	1.0					
Condenser	Type	Shell&tube heat exchanger						
	Water inlet/outlet temp.	°C	30°C/35°C					
	Rated water flow	m ³ /h	164	174	196	218	235	272
	Water side resistance	KPa	96	80	74	99	99	65
	Inlet/outlet pipe	DN(mm)	150	150	150	200	200	200
	Water dirt coefficient	m ² .°C/kW	0.044					
External dimension	Standard pressure	MPa	1.0					
	Unit length	mm	4600	4600	4600	5850	5850	5850
	Unit width	mm	2000	2050	2050	2100	2100	2150
Package dimension	Unit height	mm	2050	2150	2250	2400	2450	2450
	Unit length	mm	4800	4800	4800	6050	6050	6050
	Unit width	mm	2100	2150	2150	2200	2200	2250
Weight	Unit height	mm	2400	2500	2600	2750	2800	2800
	Unit weight	kg	5150	5250	5600	7900	8100	8400
	Gross weight	kg	5300	5400	5750	8080	8280	8580
	Operation weight	kg	5500	5620	5990	8350	8570	8920

WATER-COOLED SCREW CHILLER

Unit Dimension Diagram



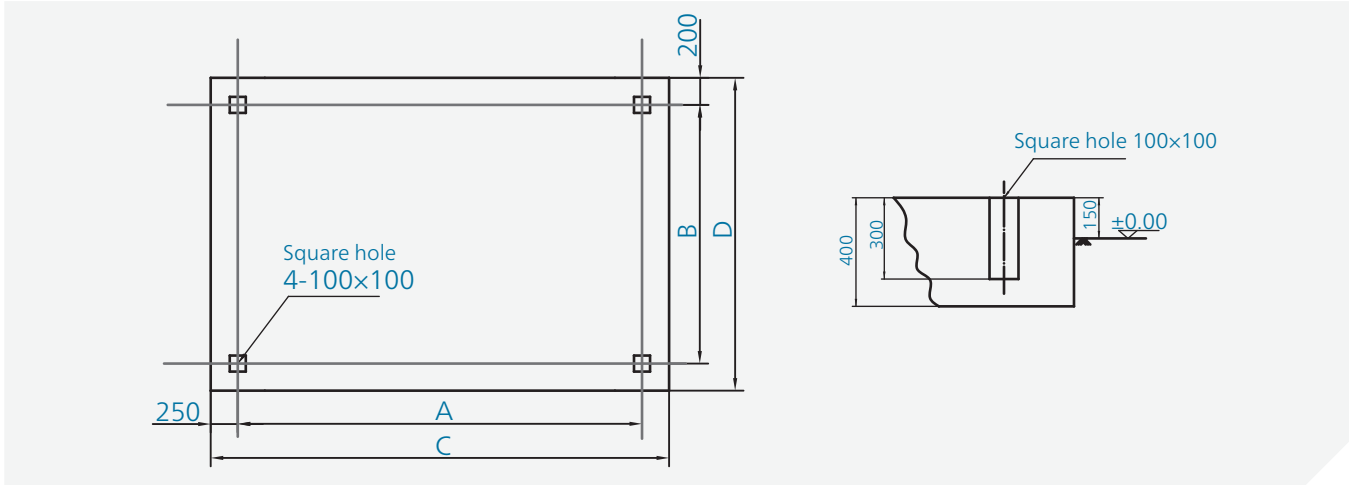
Model	Dimension mm			Installation Dimension mm		Pipe Connection Dimension mm						
	L	W	H	B	G	D1	D2	F1	F2	M	DNe	DNc
CI0350PWNC	2850	1600	1900	985	2262	220	230	605	623	640	DN100	DN100
CI0425PWNC	2850	1700	1950	985	2262	220	260	605	623	640	DN125	DN125
CI0530PWNC	3400	1850	2000	1035	2262	220	260	605	623	640	DN125	DN125
CI0670PWNC	3400	1900	2050	1160	2262	220	260	622	665	683	DN125	DN125
CI0750PWNC	3650	2050	2150	1160	2762	240	260	507	550	733	DN150	DN150



Model	Dimension mm			Installation Dimension mm		Pipe Connection Dimension mm						
	L	W	H	B	G	D1	D2	F1	F2	M	DNe	DNc
CI0810PWNC	4600	2000	2050	1035	3835	240	260	660	685	698	DN150	DN150
CI0860PWNC	4600	2050	2150	1035	3835	240	260	660	685	698	DN150	DN150
CI0960PWNC	4600	2050	2250	1160	3835	240	260	660	685	698	DN150	DN150
CI1070PWNC	5850	2100	2400	1160	4435	240	260	660	685	698	DN200	DN200
CI1160PWNC	5850	2100	2450	1160	4435	260	330	683	710	755	DN200	DN200
CI1350PWNC	5850	2150	2450	1270	4435	260	360	708	760	830	DN200	DN200

WATER-COOLED SCREW CHILLER

The Unit Installation Foundation Drawing

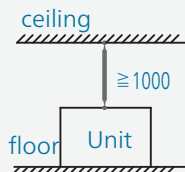
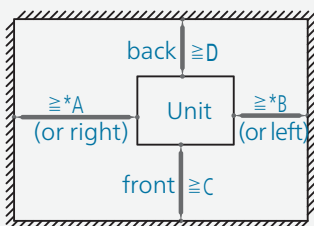


Model	Installation Dimension mm			
	A	B	C	D
CI0350PWNC	2262	985	2762	1385
CI0425PWNC	2262	985	2762	1385
CI0530PWNC	2262	1035	2762	1435
CI0670PWNC	2262	1160	2762	1460
CI0750PWNC	2762	1160	3262	1460

Model	Installation Dimension mm			
	A	B	C	D
CI0810PWNC	3835	1035	3735	1435
CI0860PWNC	3835	1035	4335	1435
CI0960PWNC	3835	1160	4335	1460
CI1070PWNC	4435	1160	4935	1460
CI1160PWNC	4435	1160	4935	1460
CI1350PWNC	4435	1270	4935	1670

Reserved Space Size

•Single compressor unit

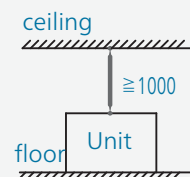
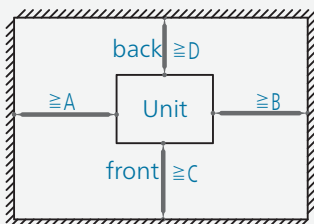


Dimension:mm

Model	A	B	C	D
CI0350PWNC	2200	1000	1000	800
CI0425PWNC	2200	1000	1000	800
CI0530PWNC	2200	1000	1000	800
CI0670PWNC	2200	1000	1000	800
CI0750PWNC	2700	1000	1000	800

* The dimension with * is the reserved dimension with pipe connection right side, if pipe connection left side the A will change to B, B will change to A;

•Double compressor unit



Dimension:mm

Model	A	B	C	D
CI0810PWNC	1900	1900	1200	800
CI0860PWNC	1900	1900	1200	800
CI0960PWNC	1900	1900	1200	800
CI1070PWNC	2200	2200	1200	800
CI1160PWNC	2200	2200	1200	800
CI1350PWNC	2200	2200	1200	800

R134a WATER-COOLED SCREW CHILLER



MODEL		CI0350PWNB	CI0420PWNB	CI0525PWNB	CI0645PWNB	
Cooling capacity	RT	100	119	150	183	
	kW	351	420	528	645	
Power input	kW	72	86	107	125	
EER		4.88	4.88	4.93	5.16	
Starting current	A	450	450	704	704	
Max. running current	A	140	168	204	241	
Safe protection		Overload protection; water-lack delay protection; automatic antifreezing protection, phase lack & sequence protection, low pressure protection; high pressure protection; Exhaust temperature protection; oil pressure difference protection, low oil level protection; pressure relief valve.				
Compressor	Type	Semi-Hermetic screw chiller				
	Quantity	1	1	1	1	
Power supply	Ph/V/Hz	3/380/50				
Refrigerant throttle type		Orifice plate + butterfly valve				
Capacity control		25%, 50%, 75%, 100%				
Controller type		Fully automatic control by Microcomputer controller				
Refrigerant	Type	R134a				
	Charge	kg	120	125	125	175
Evaporator	Type	Flood type				
	Water inlet/outlet temp	°C	12°C/7°C			
	Inlet/outlet pipe	DN(mm)	125	125	125	125
	Rated water flow	m ³ /h	60	72	91	111
	Water dirt coefficient	m ² .°C/kW	0.018			
	Standard pressure	MPa	1.0			
	Water side resistance	KPa	41	44	66	82
Condenser	Type	Shell & Tube heat exchanger				
	Water inlet/outlet temp	°C	30°C/35°C			
	Inlet/outlet pipe	DN(mm)	125	125	125	125
	Rated water flow	m ³ /h	73	87	109	132
	Water dirt coefficient	m ² .°C/kW	0.044			
	Standard pressure	MPa	1.0			
External dimension	Unit length	mm	2830	2830	2830	3500
	Unit width	mm	1420	1420	1500	1250
	Unit height	mm	1950	2030	2100	2100
Package dimension	Unit length	mm	3030	3030	3030	3700
	Unit width	mm	1520	1520	1600	1350
	Unit height	mm	2150	2230	2300	2300
Weight	Unit weight	kg	2400	2450	2850	3400
	Gross weight	kg	2430	2480	2880	3430
	Operation weight	kg	2570	2630	3050	3640

Note: Due to our policy of innovation some specifications may be changed without notification.

Temperature Conditions

Nominal cooling				Operating range			
Chilled water		Cooling water		Chilled water		Cooling water	
Inlet water temp. (°C)	Outlet water temp. (°C)	Inlet water temp. (°C)	Outlet water temp. (°C)	Outlet temp. (°C)	Temp. difference between inlet & outlet (°C)	Inlet water temp. (°C)	Temp. difference between inlet & outlet (°C)
12	7	30	35	4-15	2.5-8	23-35	2.5-8

R134a WATER-COOLED SCREW CHILLER



MODEL		CI0720PWNB	CI0790PWNB	CI0880PWNB	CI1056PWNB	
Cooling capacity	RT	204	225	252	300	
	kW	718	791	886	1056	
Power input	kW	136	154	164	194	
EER		5.28	5.14	5.40	5.44	
Starting current	A	768	768	1010	908	
Max. running current	A	300	300	328	408	
Safe protection		Overload protection; water-lack delay protection; automatic antifreezing protection, phase lack & sequence protection, low pressure protection; high pressure protection; Exhaust temperature protection; oil pressure difference protection, low oil level protection; pressure relief valve.				
Compressor	Type	Semi-Hermetic screw chiller				
	Quantity	1	1	1	2	
Power supply	Ph/V/Hz	3/380/50				
Refrigerant throttle type		Orifice plate + butterfly valve				
Capacity control		25%, 50%, 75%, 100%			12.5%, 25%, 37.5%, 50%, 62.5%, 75%, 87.5%, 100%	
Controller type		Fully automatic control by Microcomputer controller				
Refrigerant	Type	R134a				
	Charge	kg	190	215	215	220
Evaporator	Type	Flood type				
	Water inlet/outlet temp	°C	12°C/7°C			
	Inlet/outlet pipe	DN(mm)	150	150	150	150
	Rated water flow	m ³ /h	123	136	152	182
	Water dirt coefficient	m ² .°C/kW	0.018			
	Standard pressure	MPa	1.0			
	Water side resistance	KPa	84	48	55	50
Condenser	Type	Shell & Tube heat exchanger				
	Water inlet/outlet temp	°C	30°C/35°C			
	Inlet/outlet pipe	DN(mm)	150	150	150	150
	Rated water flow	m ³ /h	147	163	181	215
	Water dirt coefficient	m ² .°C/kW	0.044			
	Standard pressure	MPa	1.0			
	Water side resistance	KPa	89	87	88	65
External dimension	Unit length	mm	3580	3580	3600	4800
	Unit width	mm	1380	1450	1480	1500
	Unit height	mm	2200	2200	2250	2100
Package dimension	Unit length	mm	3780	3780	3800	5000
	Unit width	mm	1480	1550	1580	1600
	Unit height	mm	2400	2400	2450	2300
Weight	Unit weight	kg	3430	3650	3780	4950
	Gross weight	kg	3460	3680	3810	4980
	Operation weight	kg	3730	4000	4160	5335

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R134a WATER-COOLED SCREW CHILLER



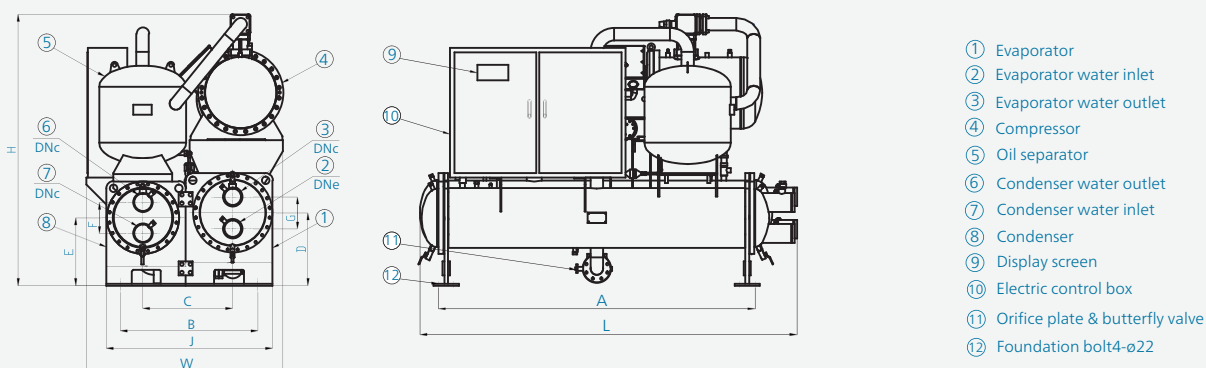
MODEL			CI1250PWNB	CI1400PWNB	CI1520PWNB	CI1700PWNB	CI2110PWNB
Cooling capacity	RT		356	395	433	485	600
	kW		1252	1389	1523	1705	2110
Power input	kW		221	246	270	301	375
EER			5.67	5.65	5.64	5.66	5.63
Starting current	A		945	1009	1068	1338	1832
Max. running current	A		482	542	600	656	800
Safe protection			Overload protection; water-lack delay protection; automatic antifreezing protection, phase lack & sequence protection, low pressure protection; high pressure protection; Exhaust temperature protection; oil pressure difference protection, low oil level protection; pressure relief valve.				
Compressor	Type		Semi-Hermetic screw chiller				
	Quantity		2	2	2	2	2
Power supply	Ph/V/Hz		3/380/50				
Refrigerant throttle type			Orifice plate + butterfly valve				
Capacity control			12.5%, 25%, 37.5%, 50%, 62.5%, 75%, 87.5%, 100%				
Controller type			Fully automatic control by Microcomputer controller				
Refrigerant	Type		R134a				
	Charge	kg	270	280	330	350	385
Evaporator	Type		Flood type				
	Water inlet/outlet temp	°C	12°C/7°C				
	Inlet/outlet pipe	DN(mm)	200	200	200	200	200
	Rated water flow	m ³ /h	215	239	262	293	363
	Water dirt coefficient	m ² .°C/kW	0.018				
	Standard pressure	MPa	1.0				
	Water side resistance	KPa	60	51	63	62	65
Condenser	Type		Shell & Tube heat exchanger				
	Water inlet/outlet temp	°C	30°C/35°C				
	Inlet/outlet pipe	DN(mm)	200	200	200	200	200
	Rated water flow	m ³ /h	253	281	308	345	427
	Water dirt coefficient	m ² .°C/kW	0.044				
	Standard pressure	MPa	1.0				
	Water side resistance	KPa	74	62	83	70	71
External dimension	Unit length	mm	4850	4900	5350	5950	6010
	Unit width	mm	1600	1600	1700	1800	2250
	Unit height	mm	2100	2200	2200	2250	2650
Package dimension	Unit length	mm	5050	5100	5550	6150	6210
	Unit width	mm	1700	1700	1800	1900	2350
	Unit height	mm	2300	2400	2400	2450	2850
Weight	Unit weight	kg	5800	6100	6280	6500	8930
	Gross weight	kg	5840	6140	6320	6540	8970
	Operation weight	kg	6320	6550	6710	7000	9400

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WATER-COOLED SCREW CHILLER

Unit Dimension Diagram

• Single compressor unit

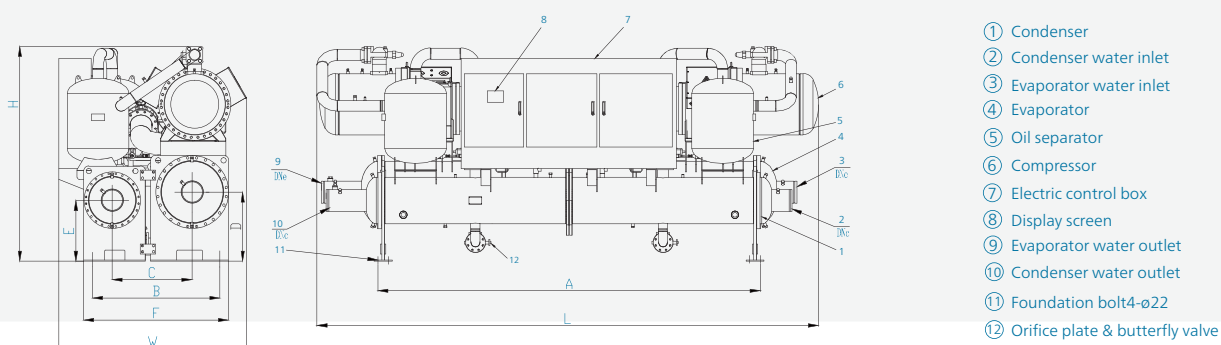


- ① Evaporator
- ② Evaporator water inlet
- ③ Evaporator water outlet
- ④ Compressor
- ⑤ Oil separator
- ⑥ Condenser water outlet
- ⑦ Condenser water inlet
- ⑧ Condenser
- ⑨ Display screen
- ⑩ Electric control box
- ⑪ Orifice plate & butterfly valve
- ⑫ Foundation bolt4-ø22

mm

Code Model	Dimension			Installation dimension		Dimension of pipe							
	L	W	H	A	B	C	D	E	F	G	J	DNe	DNc
CI0350PWNB	2830	1420	1950	2270	900	570	565	515	180	220	1090	DN125	DN125
CI0420PWNB	2830	1420	2030	2270	900	570	565	515	180	220	1090	DN125	DN125
CI0525PWNB	2830	1500	2100	2270	900	570	565	515	180	220	1090	DN125	DN125
CI0645PWNB	3500	1250	2100	2980	900	590	565	540	180	220	1130	DN125	DN125
CI0720PWNB	3580	1380	2200	2980	1160	642	592	564	220	220	1245	DN150	DN150
CI0790PWNB	3580	1450	2200	2980	1160	642	592	564	220	220	1245	DN150	DN150
CI0880PWNB	3600	1480	2250	2980	1160	642	592	564	220	220	1245	DN150	DN150

• The double compressors unit

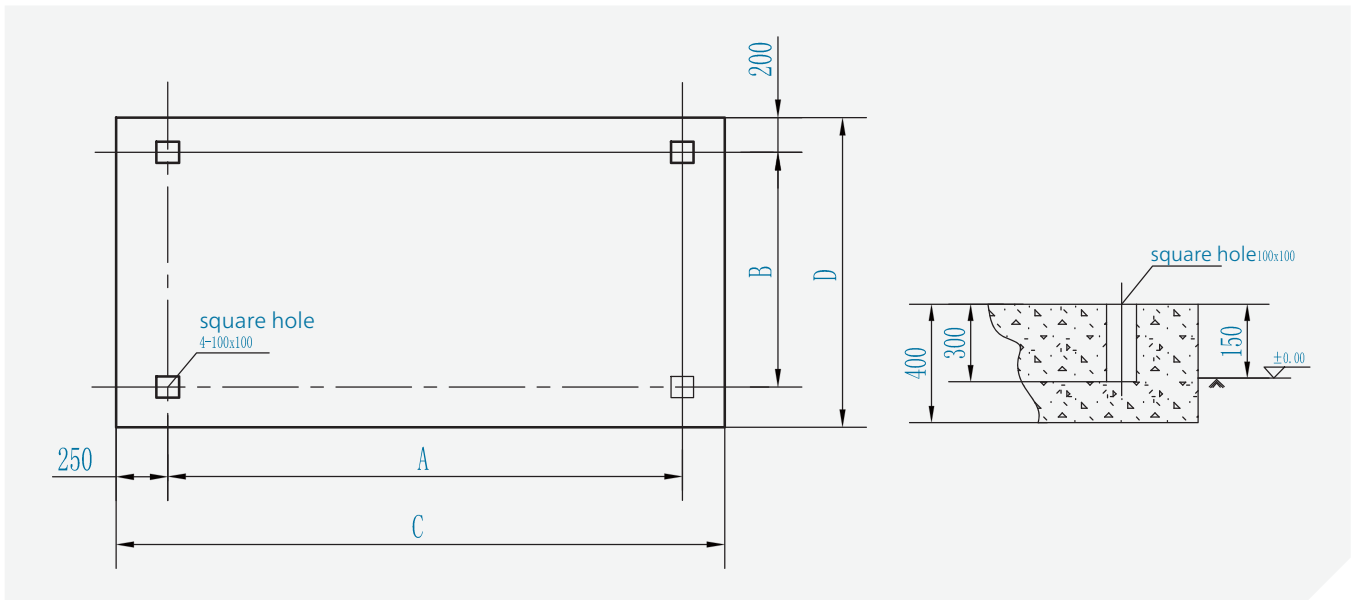


- ① Condenser
- ② Condenser water inlet
- ③ Evaporator water inlet
- ④ Evaporator
- ⑤ Oil separator
- ⑥ Compressor
- ⑦ Electric control box
- ⑧ Display screen
- ⑨ Evaporator water outlet
- ⑩ Condenser water outlet
- ⑪ Foundation bolt4-ø22
- ⑫ Orifice plate & butterfly valve

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Code Model	Dimension			Installation dimension		Dimension of pipe					
	L	W	H	A	B	C	D	E	F	DNe	DNc
CI1056PWNB	4800	1500	2100	3835	1035	610	570	535	1155	DN150	DN150
CI1250PWNB	4850	1600	2100	3835	1035	602	585	560	1175	DN200	DN200
CI1400PWNB	4900	1600	2200	3835	1035	602	585	560	1175	DN200	DN200
CI1520PWNB	5350	1700	2200	4435	1035	632	585	565	1230	DN200	DN200
CI1700PWNB	5950	1800	2250	4435	1035	632	585	565	1230	DN200	DN200
CI2110PWNB	6010	2250	2650	4435	1290	845	664	589	1550	DN200	DN200

The Unit Installation Foundation Drawing



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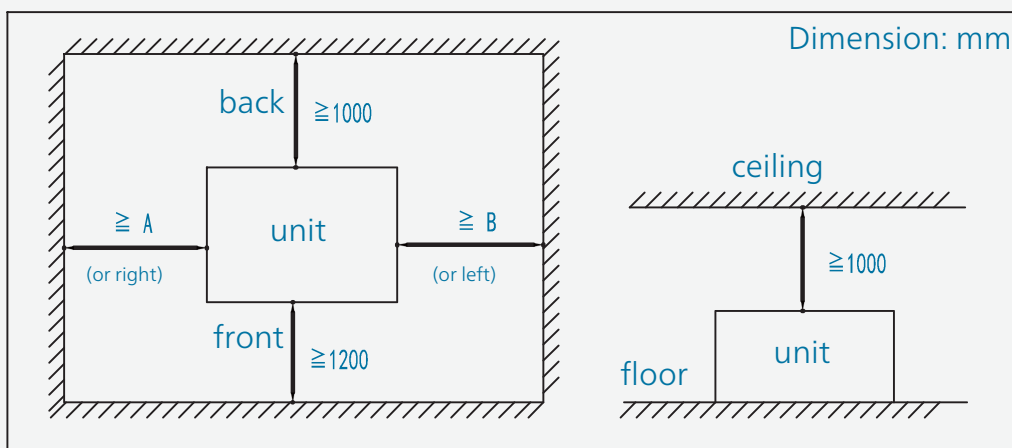
Code Model	Installation dimension			
	A	B	C	D
CI0350PWNB	2270	900	2770	1300
CI0420PWNB	2270	900	2770	1300
CI0525PWNB	2270	900	2770	1300
CI0645PWNB	2980	900	3480	1300
CI0720PWNB	2980	1160	3480	1560
CI0790PWNB	2980	1160	3480	1560

mm

Code Model	Installation dimension			
	A	B	C	D
CI0880PWNB	2980	1160	3480	1560
CI1056PWNB	3835	1035	4330	1435
CI1250PWNB	3835	1035	4335	1435
CI1400PWNB	3835	1035	4335	1435
CI1520PWNB	4435	1035	4935	1435
CI1700PWNB	4435	1035	4935	1435
CI2110PWNB	4435	1290	4935	1690

Reserved Space Size

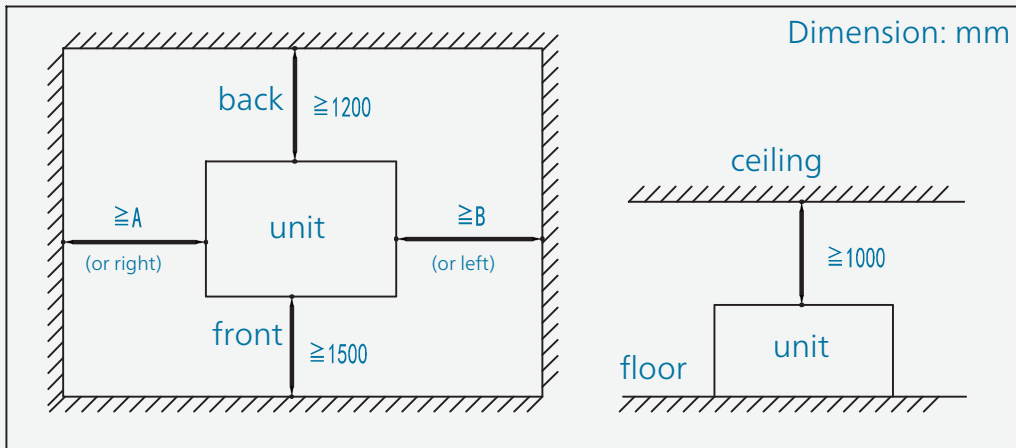
- Single compressor unit



WATER-COOLED SCREW CHILLER

Reserved Space Size

- Double compressor unit



Model	Reserved space size mm	
	A	B
CI0350PWNB	2300	1200
CI0420PWNB	2300	1200
CI0525PWNB	2300	1200
CI0645PWNB	3000	1200
CI0720PWNB	3000	1200
CI0790PWNB	3000	1200

Model	Reserved space size mm	
	A	B
CI0880PWNB	3000	1200
CI1056PWNB	2000	2000
CI1250PWNB	2000	2000
CI1400PWNB	2000	2000
CI1520PWNB	2300	2300
CI1700PWNB	2300	2300
CI2110PWNB	2300	2300

Cooling Capacity and Power Input Table

Chilled water outlet temp.(°C)	Condenser water inlet temperature(°C)											
	26		28		30		32		34		35	
	Cooling capacity	Power input	Cooling capacity	Power input	Cooling capacity	Power input	Cooling capacity	Power input	Cooling capacity	Power input	Cooling capacity	Power input
5	0.97	0.92	0.95	0.95	0.92	0.99	0.90	1.03	0.88	1.07	0.87	1.09
6	1.00	0.92	0.98	0.96	0.96	0.99	0.94	1.03	0.92	1.07	0.91	1.09
7	1.04	0.93	1.02	0.96	1.00	1.00	0.98	1.04	0.96	1.08	0.94	1.10
8	1.08	0.93	1.06	0.97	1.03	1.00	1.01	1.04	0.99	1.08	0.97	1.10
9	1.11	0.94	1.09	0.97	1.07	1.01	1.04	1.05	1.02	1.09	1.00	1.11



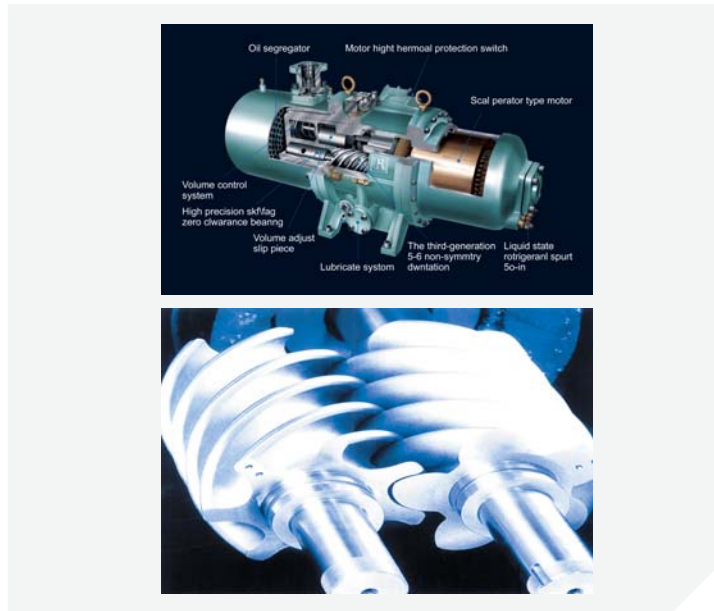


WATER-COOLED SCREW CHILLER

High Efficiency

Advanced twin-screw compressor

- Optimum structure design, high efficiency.
- Small inner friction area, low running noise.
- High performance of interior oil segregator, prolong the compressor life.



High efficiency, energy- saving

- Unique high efficient heat exchange structure, and optimum copper pipe combination, enhancing the heat exchange efficiency greatly.
- Precise refrigerant volume control technology.

Convenience

MCU control

- Network communication function--it can support multiple electronic communication protocol, not only can realize group control for multiple master units, but also can realize network communication with multiple intelligent equipments.
- Multiple protection function: phase sequence protection, water shortage protection, high/low pressure protection, overload protection, overheat protection, etc. Equipped with high reliability and perfect performance.
- Compressor starts up in sequence and balance the friction with each other.
- Self-diagnostic, self-lock function.
- Fully automatically energy-saving operation.
- Reliable operation, easy installation.



R22

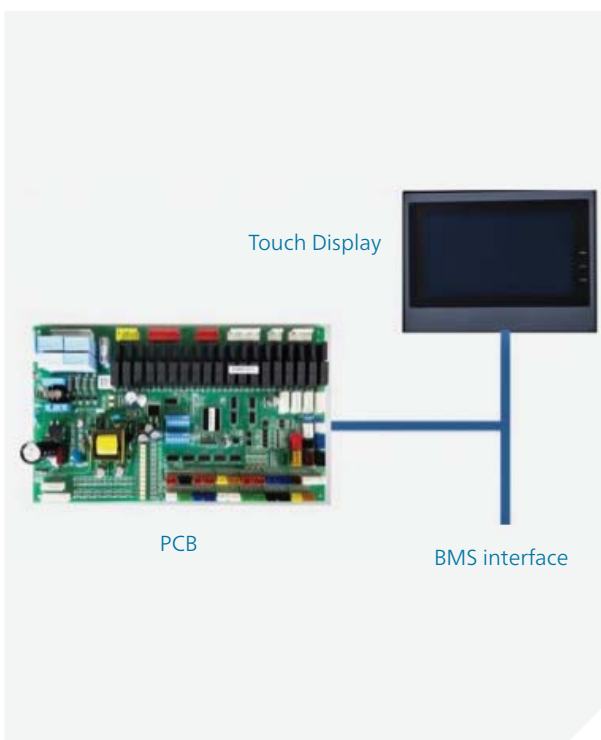
Big LCD display

The unit adopt LCD display, better than the old unit.



Advanced control system and convenient operation

The unit can realize BMS function; meanwhile, remote control function can be combined with interlock function and timer running function, to realize non-person control.



Control functions

- Perform the management function, adjust the balance of operation according to the load status.
- Multiple operation control modes: cooling, self-diagnose, manual changeover.
- Timer ON/OFF control function: self-diagnose and protection functions.
- Multiple password protection (optional).
- Remote control function (optional).
- Query the malfunction records.
- Limit the parameter setting if setting parameter exceeds its safety limitation.
- High/Low pressure protection.
- Compressor overload, winding overheat protection, wrong phase or reverse phase protection, compressor oil level protection.
- Chilled water or cooling water flow super low protection.
- Anti-freeze protection for chilled water outlet temperature.
- Malfunction alarm if temperature sensor or communication is failed.



R22 WATER-COOLED SCREW CHILLER



MODEL		CI0127MWNB	CI0162MWNB	CI0198MWNB	CI0232MWNB	CI0267MWNB	
Cooling capacity	RT	40	46	56	66	76	
	kW	140	162	198	232	267	
Power input	kW	31	36	44	51	58	
EER		4.52	4.50	4.50	4.55	4.60	
Starting current	A	179	268	268	398	398	
Max. running current	A	67	84	93	113	123	
Safe protection		High/Low pressure protection, compressor overload, winding overheat protection, wrong phase or reverse phase protection, chilled water or cooling water flow super low protection.					
Compressor	Type	Semi-Hermetic screw chiller					
	Quantity	1	1	1	1	1	
Power supply	Ph/V/Hz	3/380/50					
Refrigerant throttle type		The thermal expansion valve					
Capacity control		25%-100%					
Controller type		Fully automatic control by programmable controller					
Refrigerant	Type	R22					
	Charge	kg	30	30	30	35	35
Evaporator	Type	Shell & Tube heat exchanger					
	Water inlet/outlet temp	°C	12°C/7°C				
	Inlet/outlet pipe	DN(mm)	65	65	80	80	80
	Rated water flow	m³/h	24	28	34	40	46
	Water dirt coefficient	m².°C/kW	0.018				
	Standard pressure	MPa	1.0				
	Water side resistance	KPa	40	40	42	42	45
Condenser	Type	Shell & Tube heat exchanger					
	Water inlet/outlet temp	°C	30°C/35°C				
	Inlet/outlet pipe	DN(mm)	65	65	80	80	80
	Rated water flow	m³/h	29	34	41	48	55
	Water dirt coefficient	m².°C/kW	0.044				
	Standard pressure	MPa	1.0				
	Water side resistance	KPa	37	37	39	39	39
External dimension	Unit length	mm	2500	2500	2500	2500	2850
	Unit width	mm	1100	1100	1200	1250	1250
	Unit height	mm	1300	1300	1330	1400	1530
Package dimension	Unit length	mm	2600	2600	2600	2600	2600
	Unit width	mm	1300	1300	1400	1450	1450
	Unit height	mm	1400	1400	1430	1500	1630
Weight	Unit weight	kg	1050	1100	1200	1350	1400
	Gross weight	kg	1100	1150	1250	1400	1450
	Operation weight	kg	1200	1250	1350	1500	1550

Note: Due to our policy of innovation some specifications may be changed without notification.

Nominal cooling				Operating range			
Chilled water		Cooling water		Chilled water		Cooling water	
Inlet water temp. (°C)	Outlet water temp. (°C)	Inlet water temp. (°C)	Outlet water temp. (°C)	Outlet temp. (°C)	Temp. difference between inlet & outlet (°C)	Inlet water temp. (°C)	Temp. difference between inlet & outlet (°C)
12	7	30	35	5-15	2.5-8	23-35	2.5-8

R22 WATER-COOLED SCREW CHILLER



MODEL		CI0336MWNB	CI0387MWNB	CI0443MWNB	CI0583MWNB	CI0633MWNB	
Cooling capacity	RT	96	110	126	166	180	
	kW	336	387	443	583	633	
Power input	kW	74	86	99	117	126	
EER		4.54	4.50	4.47	4.98	5.02	
Starting current	A	450	598	598	704	768	
Max. running current	A	145	174	194	225	257	
Safe protection		High/Low pressure protection, compressor overload, winding overheat protection, wrong phase or reverse phase protection; chilled water or cooling water flow super low protection.					
Compressor	Type	Semi-Hermetic screw chiller					
	Quantity	1	1	1	1	1	
Power supply	Ph/V/Hz	3/380/50					
Refrigerant throttle type		The thermal expansion valve					
Capacity control		25%-100%					
Controller type		Fully automatic control by programmable controller					
Refrigerant	Type	R22					
	Charge	kg	45	50	55	65	70
Evaporator	Type	Shell & Tube heat exchanger					
	Water inlet/outlet temp	°C	12°C/7°C				
	Inlet/outlet pipe	DN(mm)	80	100	100	125	125
	Rated water flow	m ³ /h	57	66	76	100	108
	Water dirt coefficient	m ² .°C/kW	0.018				
	Standard pressure	MPa	1.0				
	Water side resistance	KPa	45	46	46	49	49
Condenser	Type	Shell & Tube heat exchanger					
	Water inlet/outlet temp	°C	30°C/35°C				
	Inlet/outlet pipe	DN(mm)	80	100	100	125	125
	Rated water flow	m ³ /h	70	80	91	120	130
	Water dirt coefficient	m ² .°C/kW	0.044				
	Standard pressure	MPa	1.0				
	Water side resistance	KPa	39	40	40	41	42
External dimension	Unit length	mm	2850	2850	2850	2900	2900
	Unit width	mm	1250	1350	1350	1400	1400
	Unit height	mm	1530	1580	1580	1650	1650
Package dimension	Unit length	mm	2950	2950	2950	3000	3000
	Unit width	mm	1450	1550	1550	1600	1600
	Unit height	mm	1630	1680	1680	1750	1750
Weight	Unit weight	kg	1450	1750	1850	2000	2100
	Gross weight	kg	1500	1800	1900	2050	2150
	Operation weight	kg	1600	1900	2000	2150	2250

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R22 WATER-COOLED SCREW CHILLER



MODEL		CI0703MWNB	CI0780MWNB	CI0880MWNB	CI1060MWNB	
Cooling capacity	RT	200	222	250	301	
	kW	703	780	880	1060	
Power input	kW	141	156	176	212	
EER		4.99	5.00	5.00	5.00	
Starting current	A	872	1149	1288	1360	
Max. running current	A	286	329	365	379	
Safe protection		High/Low pressure protection, compressor overload, winding overheat protection, wrong phase or reverse phase protection; chilled water or cooling water flow super low protection.				
Compressor	Type	Semi-Hermetic screw chiller				
	Quantity	1	1	1	1	
Power supply	Ph/V/Hz	3/380/ 50				
Refrigerant throttle type		The thermal expansion valve				
Capacity control		25%-100%				
Controller type		Fully automatic control by programmable controller				
Refrigerant	Type	R22				
	Charge	kg	80	85	95	120
Evaporator	Type	Shell & Tube heat exchanger				
	Water inlet/outlet temp	°C	12°C/7°C			
	Inlet/outlet pipe	DN(mm)	150	150	150	150
	Rated water flow	m ³ /h	120	134	151	182
	Water dirt coefficient	m ² .°C/kW	0.018			
	Standard pressure	MPa	1.0			
	Water side resistance	KPa	51	51	49	60
Condenser	Type	Shell & Tube heat exchanger				
	Water inlet/outlet temp	°C	30°C/35°C			
	Inlet/outlet pipe	DN(mm)	150	150	150	150
	Rated water flow	m ³ /h	145	160	181	218
	Water dirt coefficient	m ² .°C/kW	0.044			
	Standard pressure	MPa	1.0			
	Water side resistance	KPa	42	43	40	42
External dimension	Unit length	mm	3000	3100	3100	3400
	Unit width	mm	1500	1600	1600	1700
	Unit height	mm	1700	1750	1750	1750
Package dimension	Unit length	mm	3100	3200	3200	3500
	Unit width	mm	1700	1800	1800	1900
	Unit height	mm	1800	1850	1850	1850
Weight	Unit weight	kg	2300	2700	2850	3100
	Gross weight	kg	2350	2750	2900	3150
	Operation weight	kg	2450	2850	3000	3250

Note: Due to our policy of innovation some specifications may be changed without notification.

R22 WATER-COOLED SCREW CHILLER



MODEL			CI1236MWNB	CI1398MWNB
Cooling capacity	RT		351	397
	kW		1236	1398
Power input	kW		247	280
EER			5.00	4.99
Starting current	A		1025	1048
Max. running current	A		514	554
Safe protection			High/Low pressure protection, compressor overload, winding overheat protection, wrong phase or reverse phase protection; chilled water or cooling water flow super low protection.	
Compressor	Type		Semi-Hermetic screw chiller	
	Quantity		2	2
Power supply	Ph/V/Hz		3/380/50	
Refrigerant throttle type			The thermal expansion valve	
Capacity control			12.5%-100%	
Controller type			Fully automatic control by programmable controller	
Refrigerant	Type		R22	
	Charge	kg	70*2	80*2
Evaporator	Type		Shell & Tube heat exchanger	
	Water inlet/outlet temp	°C	12°C/7°C	
	Inlet/outlet pipe	DN(mm)	150	200
	Rated water flow	m ³ /h	212	240
	Water dirt coefficient	m ² .°C/kW	0.018	
	Standard pressure	MPa	1.0	
	Water side resistance	KPa	61	65
Condenser	Type		Shell & Tube heat exchanger	
	Water inlet/outlet temp	°C	30°C/35°C	
	Inlet/outlet pipe	DN(mm)	150	200
	Rated water flow	m ³ /h	254	288
	Water dirt coefficient	m ² .°C/kW	0.044	
	Standard pressure	MPa	1.0	
	Water side resistance	KPa	42	44
External dimension	Unit length	mm	4500	4500
	Unit width	mm	1550	1550
	Unit height	mm	1800	1850
Package dimension	Unit length	mm	4600	4600
	Unit width	mm	1750	1750
	Unit height	mm	1900	1950
Weight	Unit weight	kg	4150	4400
	Gross weight	kg	4200	4450
	Operation weight	kg	4450	4700

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R22 WATER-COOLED SCREW CHILLER

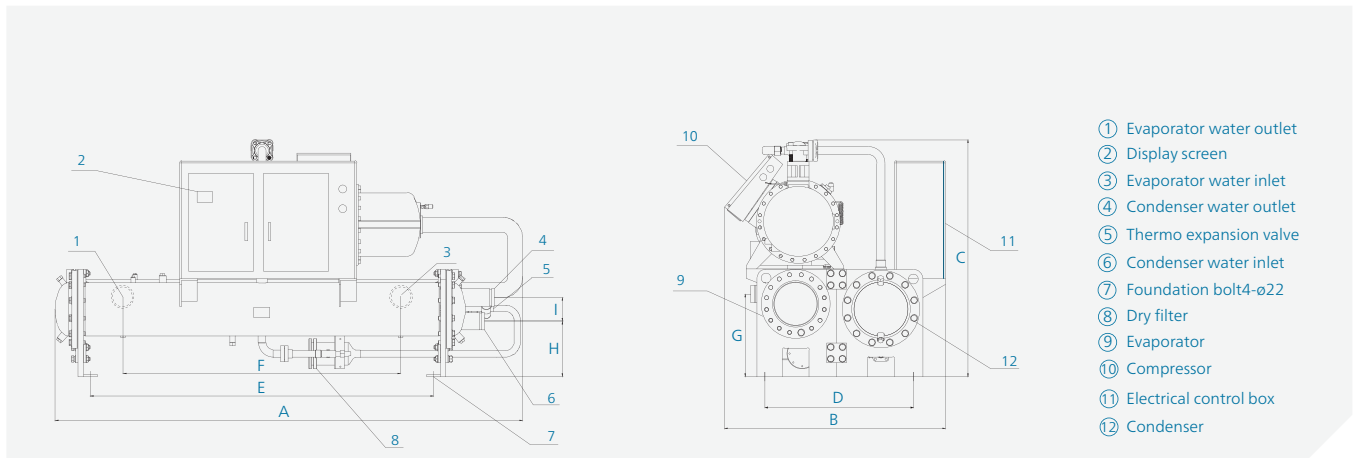


MODEL			CI1480MWNB	CI1580MWNB	CI1759MWNB
Cooling capacity	RT		421	449	500
	kW		1480	1580	1759
Power input	kW		296	315	350
EER			5.00	5.02	5.03
Starting current	A		1158	1478	1653
Max. running current	A		572	658	730
Safe protection			High/Low pressure protection, compressor overload, winding overheat protection, wrong phase or reverse phase protection; chilled water or cooling water flow super low protection.		
Compressor	Type		Semi-Hermetic screw chiller		
	Quantity		2	2	2
Power supply	Ph/V/Hz		3/380/ 50		
Refrigerant throttle type			The thermal expansion valve		
Capacity control			12.5%-100%		
Controller type			Fully automatic control by programmable controller		
Refrigerant	Type		R22		
	Charge	kg	85*2	90*2	95*2
Evaporator	Type		Shell & Tube heat exchanger		
	Water inlet/outlet temp	°C	12°C/7°C		
	Inlet/outlet pipe	DN(mm)	200	200	200
	Rated water flow	m³/h	254	271	302
	Water dirt coefficient	m².°C/kW	0.018		
	Standard pressure	MPa	1.0		
	Water side resistance	KPa	68	70	74
Condenser	Type		Shell & Tube heat exchanger		
	Water inlet/outlet temp	°C	30°C/35°C		
	Inlet/outlet pipe	DN(mm)	200	200	200
	Rated water flow	m³/h	304	325	363
	Water dirt coefficient	m².°C/kW	0.044		
	Standard pressure	MPa	1.0		
	Water side resistance	KPa	45	45	45
External dimension	Unit length	mm	4500	4500	4800
	Unit width	mm	1550	1550	1700
	Unit height	mm	1850	1850	1950
Package dimension	Unit length	mm	4600	4600	4900
	Unit width	mm	1750	1750	1900
	Unit height	mm	1950	1950	2050
Weight	Unit weight	kg	4550	5000	5450
	Gross weight	kg	4600	5050	5500
	Operation weight	kg	4850	5300	5750

Note: Due to our policy of innovation some specifications may be changed without notification.

WATER-COOLED SCREW CHILLER

Unit Dimension Diagram



Unit: mm

Model \ dimension	A	B	C	D	E	F	G	H	I
CI0127MWNB	2500	1100	1300	745	1730	1570	420	285	120
CI0162MWNB	2500	1100	1300	745	1730	1570	420	285	120
CI0198MWNB	2500	1200	1330	745	1730	1570	420	285	120
CI0232MWNB	2500	1250	1400	745	1730	1570	420	285	120
CI0267MWNB	2500	1250	1530	745	1730	1570	420	285	120
CI0336MWNB	2850	1250	1530	745	2030	1835	420	285	120
CI0387MWNB	2850	1350	1580	745	2030	1835	440	305	140
CI0443MWNB	2850	1350	1580	745	2030	1835	440	305	140
CI0583MWNB	2900	1400	1650	745	2030	1835	490	305	180
CI0633MWNB	2900	1400	1650	745	2030	1835	490	305	180
CI0703MWNB	3000	1500	1700	900	2030	1835	490	350	200
CI0780MWNB	3100	1600	1750	900	2030	1835	490	350	200
CI0880MWNB	3100	1600	1750	900	2030	1835	520	350	200
CI1060MWNB	3400	1700	1750	1035	2325	2130	520	350	200