

水冷式冰水机 Water Chillers

TCW



● 特点 Features

- 采用进口高品质压缩机及进口水泵，安全宁静、省电耐用。
- 采用全电脑温控器，操作简洁，能准确地控制水温在 $\pm 3^{\circ}\text{C}$ 至 $\pm 5^{\circ}\text{C}$ 。
- 冷凝器及蒸发器设计独特，换热效果更佳。
- 有电流过载保护，高低压控制及电子式时间延迟安全装置，当发生故障时及时发出警报及显示故障原因。
- 内置304不锈钢保温水箱，经久耐用，清洗方便。
- 设有逆相欠相保护和防冰保护。
- 超低温型冷水机温度可达 -15°C 以下。
- 此系列冷水机可订做耐酸碱式。

• To adopt imported superb compressors and pumps to ensure safe & quiet running, power saving and durable service life.

• To employ microcomputer with easy operation which can control temperature within ± 3 to ± 5 precisely.

• Unique design for condenser and heat-dispersion unit result in excellent heat-exchange effect.

• To equip with electrical current overload protection, high & low-pressure switch, electronic timer delay safety device. It will alarm to display faulty while any malfunction occurs.

• To adopt with internal 304 stainless steel insulated water tank with durable service life for easy cleaning & maintenance.

• Complete safety devices including power reverse phase & power short phase and anti-freeze protection.

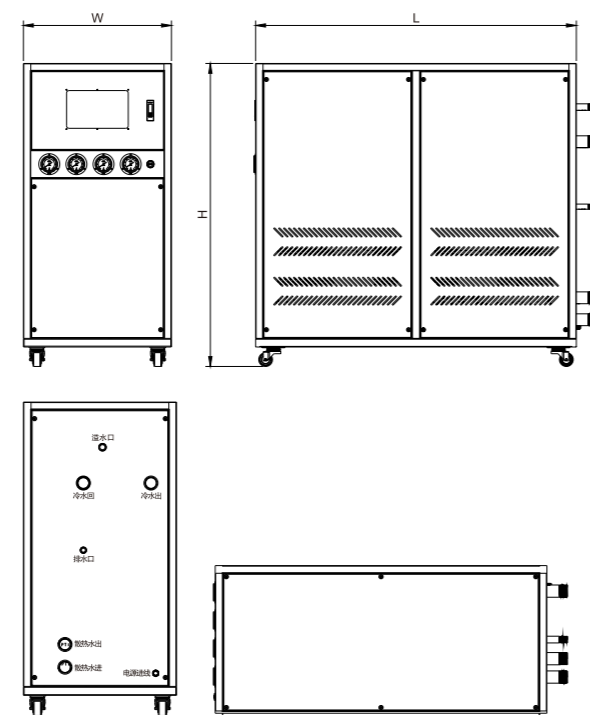
• Ultra low temperature type of chillers can reach below -15°C .

• Chillers for anti-alkaline & anti-acid type can be customized.

水冷式采用壳管式冷凝器，导热快，散热效果佳。可提供 $5\sim 35^{\circ}\text{C}$ ，低温型更可低至 3°C 的冰水(温差不过 $\pm 1^{\circ}\text{C}$)，压缩机功率从3HP~50HP，制冷量能力可达7800~128570 Kcal/hr。

Water Chillers adopt shell-shape condensers with the features of rapid heat transmission and excellent heat dispersion. This series can be afforded cooling ranges from $5\sim 35^{\circ}\text{C}$, even lower to 3°C (temperature controlled accuracy at $\pm 1^{\circ}\text{C}$). The compressors' power range from 3HP~50HP and cooling capacities range from 7800~128570 Kcal/hr.

● 产品结构图 Product Structure Diagram



● 水冷壳管式冷水系统规格表 Water Chillers Tube-in-shell Type

产品型号Model		TCW-5T	TCW-8T	TCW-10T	TCW-15T	TCW-20T	TCW-25T	TCW-30T	TCW-40T	TCW-50T	
制冷量Cooling Capacity	W	14600	23400	29900	43800	59800	74750	89700	119600	149500	
压缩机数量 Number of Compressors	台 Set	1	2	2	4	2	2	3	4	4	
压缩机总功率 Compressor Total Power	HP	5	8	10	15	20	25	30	40	50	
使用冷媒Refrigerant		R22									
蒸发器类型 Evaporator Type		壳管式 Tube-in-shell type									
蒸发器进出口口径 Evaporator Inlet/outlet Size		DN25	DN40	DN40	DN50	DN65	DN65	DN65	DN80	DN80	
冷凝器散热水口径 Condenser Hot Wat		DN25	DN40	DN40	DN50	DN65	DN65	DN65	DN80	DN80	
冷凝器类型 Condenser Type		壳管式 Tube-in-shell type									
冷水进出口数量 Number of Cooling Water Inlet/outlet	组 Group	4	1	1	1	1	1	1	1	1	
冷水进出口口径 Cooling Water Inlet/outlet Size		DN25	DN40	DN40	DN50	DN50	DN65	DN80	DN80	DN80	
水泵功率 Pump Power	HP	1	1	1	2	2	3	5	5	5	
水泵流量 Pump Flow	L/min	40	90	90	130	180	210	240	290	360	
水泵扬程 Pump Lifts	M	15	16	16	18	18	20	22	22	30	
系统电源 Power Supply	V	380VAC 3P/PE 50Hz									
控制电源 Control Voltage	V	220VAC 1P/PE 50Hz									
机器总功率 Total Power	KW	5	7	8.5	13	16.5	21.1	26.3	33.8	41.3	
电源线规格 Wires Specifications	mm2	4 x 4			4 x 6	4 x 10	4 x 16		4 x 25		
电源线长度 Wires Length	M	5						选配 Option			
外观尺寸 Dimensions LxHxW	M	0.9 x 0.95 x 0.55	1.4 x 1.24 x 0.7	1.4 x 1.24 x 0.7	1.7 x 1.24 x 0.7	1.75 x 1.53 x 0.8	1.75 x 1.68 x 0.8	1.75 x 1.68 x 0.8	2.2 x 1.68 x 0.8	2.2 x 1.68 x 0.8	
机器重量 Weight	KG	150	280	295	490	570	700	800	1100	1500	

注：产品规格若有变更，恕不另行通知。 We reserve right to change specifications without prior notice.

● 水冷盘管式冷水机规格表 Water Chillers Spiral Type

产品型号Model		TCW-3	TCW-5A	TCW-10	TCW-15	TCW-20
制冷量Cooling Capacity	W	9070	14600	29900	43800	59800
压缩机数量 Number of Compressors	台 Set	1	1	2	3	4
压缩机总功率 Compressor Total Power	HP	3	5	10	15	20
使用冷媒Refrigerant		R22				
蒸发器类型 Evaporator Type		盘管式 Spiral type				
冷凝器类型 Condenser Type		翅片式 Tube-fin Type				
冷凝器散热水口径 Condenser Hot Wat		DN25	DN25	DN40	DN50	DN65
冷水进出口数量 Number of Cooling Water Inlet/outlet	组 Group	4	4	1	1	1
冷水进出口口径 Cooling Water Inlet/outlet Size		DN25	DN25	DN40	DN50	DN65
水箱容量 Water Tank Capacity	L	40	55	100	130	170
水泵功率 Pump Power	HP	0.5	1	1	2	2
水泵流量 Pump Flow	L/min	40	40	90	130	180
水泵扬程 Pump Lifts	M	15	15	16	18	18
系统电源 Power Supply	V	380VAC 3P/PE 50Hz				
控制电源 Control Voltage	V	220VAC 1P/PE 50Hz				
机器总功率 Total Power	KW	3	4.5	8.5	13	16.5
电源线规格 Wires Specifications	mm2	4 x 2.5	4 x 4	4 x 6	4 x 10	
电源线长度 Wires Length	M	5				选配 Option
外观尺寸 Dimensions LxWxH	M	0.9 x 0.55 x 0.95	0.97 x 0.6 x 0.92	1.25 x 0.75 x 1.32	1.5 x 0.8 x 1.32	1.75 x 0.8 x 1.53
机器重量 Weight	KG	140	150	295	490	570

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