



# 风冷式冰水机

Air Chillers

TCA

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### ● 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 5-35℃。
- 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。
- 超低温型冰水机温度可达-10℃以下。
- 此系列冰水机可订做耐酸碱式。

- To adopt imported superb compressors and pumps to ensure safe& quietrunning, power saving and durable service life.
- To employ microcomputer with easy operation which can control temperature within 5 to 35 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 -10℃.
- Chillers for anti-alkaline & anti-acid type can be customized.

风冷式采用翅片式冷凝器，导热快，散热效果佳，无需提供冷却水。可提供 5~35℃，低温型更可低至3℃的冰水(温差不超过±1℃)，压缩机功率从 5HP~50HP，制冷量能力可达13416~130720Kcal/hr。

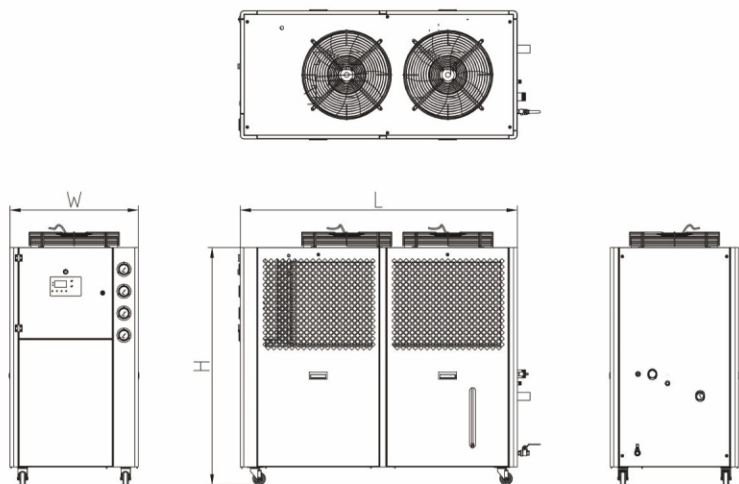
Air Chillers adopt fin condensers (without need of cooling water) with the features of rapid heat transmission and excellent heat dispersion. This series can be afforded cooling ranges from 5~35℃, even lower to 3℃

(temperature controlled accuracy at ±1℃). The compressors' power range from 5HP~50HP and cooling.

风冷壳管式冷水系统 Air Chillers Tube-in-shell Type

风冷盘管式冷水系统 Air Chillers Spiral Type

### ● 产品结构图 Product Structure Diagram



### ● 风冷壳管式冷水机规格表 Air Chillers Tube-in-shell Type

产品型号Model		TCA-5TC	TCA-10T-L	TCA-15T-L	TCA-20T-L	TCA-30T-L	TCA-40T-L	TCA-50T-L
制冷量Cooling Capacity	W	14500	29000	43500	58000	86500	122500	144000
压缩机数量 Number of Compressors	台 Set	1	2	3	4	3	4	4
压缩机总功率 Compressor Total Power	HP	5	10	15	20	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	DN50	DN65	DN65	DN80	DN80
冷凝器类型 Condenser Type		翅片式 Tube-fin Type						
散热风机数量Number of Blower		2	2	2	2	3	4	6
单个风扇功率Per Fan Capacity	KW	0.15	0.45	0.6	0.8	0.8	0.8	0.8
冷水进出口数量 Number of Cooling Water Inlet/outlet	组 Group	1	1	1	1	1	1	1
冷水进出口口径 Cooling Water Inlet/outlet Size		DN25	DN40	DN50	DN65	DN65	DN80	DN80
水泵功率Pump Power	HP	1	1	2	3	5	5	5
水泵流量Pump Flow	L/min	40	90	130	180	240	290	360
水泵扬程 Pump Lifts	M	17	16	18	18	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	4.9	9.8	15	20.2	30.1	42.3	48
电源线规格Wires Specifications	mm <sup>2</sup>	4×2.5	4×4	4×6	4×10	4×16	4×25	4×25
电源线长度Wires Length	M	5			选配 Option			
外观尺寸Dimensions LxWxH	M	1.25×0.63×1.3	1.53×0.75×1.41	1.75×0.85×1.55	1.95×0.95×1.73	2.45×1.1×1.93	2.5×1.85×2.17	2.5×1.69×2.17
机器重量Weight	KG	200	365	450	550	750	850	950

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

### ● 风冷盘管式冷水机规格表 Air Chillers Spiral Type

产品型号Model		TCA-5C	TCA-10C	TCA-15C	TCA-20C
制冷量Cooling Capacity	W	14500	24900	43500	58000
压缩机数量 Number of Compressors	台 Set	1	2	3	4
压缩机总功率 Compressor Total Power	HP	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			
散热风机数量Number of Blower		2	2	2	2
单个风扇功率Per Fan Capacity	KW	0.15	0.38	0.8	0.8
冷水进出口数量 Number of Cooling Water Inlet/outlet	组 Group	1	1	1	1
冷水进出口口径 Cooling Water Inlet/outlet Size		DN25	DN40	DN50	DN50
水箱容量 Water Tank Capacity	L	60	100	150	220
水泵功率Pump Power	HP	1	2	3	3
水泵流量Pump Flow	L/min	40	90	135	135
水泵最大扬程 Pump Maximum Lifts	M	17	23	20	20
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	4.9	9.9	15.2	18.9
电源线规格Wires Specifications	mm <sup>2</sup>	4×2.5	4×4	4×6	4×10
电源线长度Wires Length	M	5			选配 Option
外观尺寸Dimensions LxWxH	M	1.2×0.6×0.9	1.53×0.75×1.45	1.75×0.85×1.55	1.94×0.95×1.73
机器重量Weight	KG	200	365	590	665

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