

## 风冷式冰水机 Air Chillers

TCA

### ● 特点 Features

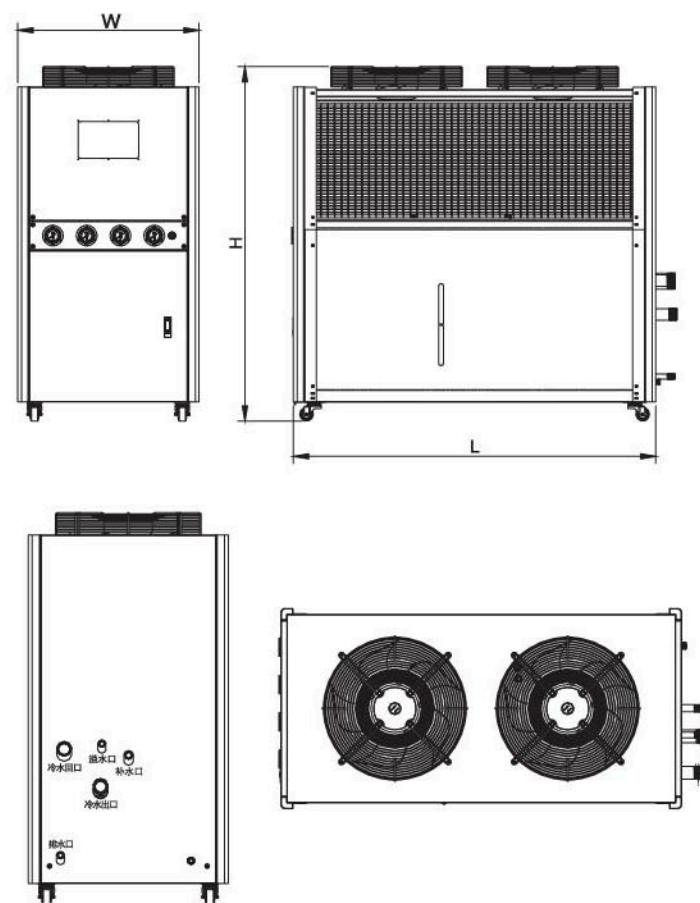
- 采用进口高品质压缩机及进口水泵，安全宁静、省电耐用。
  - 采用全电脑温控器，操作简洁，能准确地控制水温在  $\pm 3^{\circ}\text{C}$  至  $\pm 5^{\circ}\text{C}$ 。
  - 冷凝器及蒸发器设计独特，换热效果更佳。
  - 有电流过载保护，高低压控制及电子式时间延迟安全装置，当发生故障时及时发出警报及显示故障原因。
  - 内置304不锈钢保温水箱，经久耐用，清洗方便。
  - 设有逆相欠相保护和防冰保护。
  - 超低温型冷水机温度可达  $-15^{\circ}\text{C}$  以下。
  - 此系列冷水机可订做耐酸碱式。
- To 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  $\pm 3$  to  $\pm 5$  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  $-15^{\circ}\text{C}$ .
  - 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  $5\sim 35^{\circ}\text{C}$ ，低温型更可低至  $3^{\circ}\text{C}$  的冰水(温差不超过  $\pm 1^{\circ}\text{C}$ )，压缩机功率从 3HP~50HP，制冷量能力可达 7800~128570 Kcal/hr。

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  $5\sim 35^{\circ}\text{C}$ , even lower to  $3^{\circ}\text{C}$  (temperature controlled accuracy at  $\pm 1^{\circ}\text{C}$ ). The compressors' power range from 3HP~50HP and cooling.

### ● 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-5T	TCA-8T	TCA-10T	TCA-15T	TCA-20T	TCA-30T	TCA-40T	TCA-50T
制冷量Cooling Capacity	W	14600	23400	29900	43800	59800	89700	119600	149500
压缩机数量 Number of Compressors	台 Set	1	2	2	3	4	3	4	4
压缩机总功率 Compressor Total Power	HP	5	8	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	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	2	3	4	6
单个风扇功率Per Fan Capacity	KW	0.15	0.45	0.45	0.55	0.55	0.75	0.75	0.75
冷水进出口数量 Number of Cooling Water Inlet/outlet	组 Group	4	1	1	1	1	1	1	1
冷水进出口口径 Cooling Water Inlet/outlet Size		DN25	DN40	DN40	DN50	DN65	DN65	DN80	DN80
水泵功率Pump Power	HP	1	1	1	2	3	5	5	5
水泵流量Pump Flow	L/min	40	70	90	130	180	240	290	360
水泵扬程 Pump Lifts	M	15	16	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	5	7.7	9.2	13.9	18.2	28.6	36.9	49.2
电源线规格Wires Specifications	mm <sup>2</sup>	4×4		4×6		4×10	4×16	4×25	4×35
电源线长度Wires Length	M	5							
外观尺寸Dimensions LxWxH	M	1.25×0.65 ×1.3	1.53×0.75 ×1.45	1.53×0.75 ×1.45	1.75×0.85 ×1.55	1.94×0.95 ×1.73	12.45×1.1 ×1.93	2.2×1.85 ×1.83	2.2×1.85 ×1.83
机器重量Weight	KG	200	350	365	550	665	1100	1500	2000

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-3	TCA-5A	TCA-10	TCA-15	TCA-20
制冷量Cooling Capacity	W	7560	12200	24900	36500	49900
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				
散热风机数量Number of Blower		2	2	2	2	3
单个风扇功率Per Fan Capacity	KW	0.15	0.23	0.45	0.55	0.85
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	DN40	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	3
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	2.9	5	9.2	13.9	18.2
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	1.05×0.5×1.09	1.2×0.6×0.979	1.53×0.75×1.45	1.75×0.85×1.55	1.94×0.95×1.73
机器重量Weight	KG	190	200	365	960	665

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