

Auxiliary equipment  
For plastic injection machine

# RCM-W SERIES

## WATER-COOLED INDUSTRIAL CHILLER

### 水冷式工业冷水机



RCM-W

New-designed RCM series of industrial chillers are capable of controlling precisely the mold temperature in plastic molding process as so to shorten molding cycle and speed product formalization. The principle of heat exchange is adopted for cooling. They can achieve rapid cooling, stable temperature controlling, and will be little effected by the surrounding factors. Therefore they are necessary good equipments in modern industry.

全新造型的RCM系列工业冷水机主要适用于塑胶工业，它可以精确的控制塑胶成形模具温度以缩短成型周期，加速产品定型；该系列运用冷热交换的原理进行冷却，可快速降温，温控稳定。且不受环境因素的影响，是现代工业中不可或缺的配置设备。

#### Scope 适用范围

plastic industry, electroplating industry, food industry, electronic products, dye industry, ultrasonic mechanical cooling, and other industries.

塑胶工业，电镀业，食品业，电子制品业，漂染业，超声波机械冷却等其他行业。

#### 机器特点

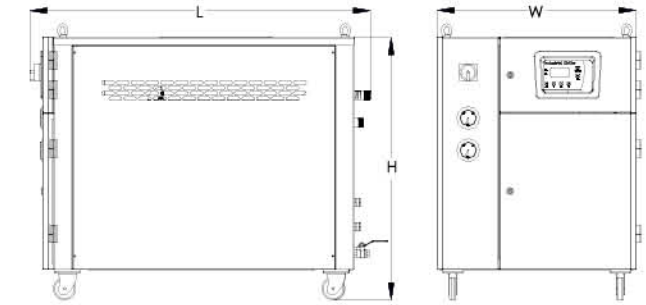
- 所有管路保温设计,防止机体管路局部对流;
- 冷却温度范围5~35℃;
- 不锈钢保温水箱;
- 控制线路相序保护,冷媒系统高低压开关控制;
- 板式冷凝器,传热效果更佳,散热更快;
- 压缩机及泵浦均有过载保护;

#### The characters of the machine

- Cooling temperature range 5-35℃.
- High-capacity plate type evaporater with very good heat exchange performance especially for high ambient temperature condition.
- Stainless steel plate type evaporater with excellent heat transfer and rapid cooling.
- Stainless steel warm-keeping water tank.
- R22 refrigerant to be used for efficient cooling.
- R407C environment-friendly refrigerant is optional to use.
- Overload protection for compressor, pump and blower.

#### The floor plan

- 采用不锈钢板式蒸发器,制冷效果好,可适用于温度较高的环境;
- 制冷剂采用R22,制冷效果好.
- 可选配R407C环保冷媒,更亲近自然.
- Phase sequence protection for control circuit, refrigeration loop controlled by high and low pressure switch.
- Warm-keeping design for all piping to avoid partial convection.
- Suitable for machine cooling in industries of plastics, electroplating, foodstuff, electric products, bleaching and dyeing, ultrasonics.



#### Specifications 规格表

机型 Model			RCM-3W	RCM-5W	RCM-8W	RCM-10W	RCM-12.5W	RCM-15W	RCM-20W	RCM-25W	RCM-30W
制冷量	Chilling capacity	Kw	7.5	13.5	20	25.5	31.5	38.5	50	62.5	77.5
		Kcal/hr	6450	11610	17200	21930	27090	33110	43000	53750	66500
压缩机输出功率	Compressor output power	HP	3	5	8	10	12.5	15	20	25	30
冷媒	Refrigerant	-	R22 R407C								
蒸发器	Evaporator	-	板式 / Plate type								
冷凝器	Condenser	-	板式 / Plate type								
冷凝器进出水管口径	Condenser in/out pipe diam	Inch	1"	1"	1"	1.5"	1.5"	1.5"	2.5"	2.5"	2.5"
水箱容量	Tank capacity	L	60	60	95	95	150	150	180	200	280
泵浦功率	Pump power	Kw	0.75	0.75	0.75	1.5	1.5	2.2	2.2	2.2	2.2
		HP	1	1	1	2	2	3	3	3	3
泵浦最大流量	Pump max.flowrate	L/min	100	100	100	200	200	230	600	600	600
泵浦最大压力	Pump max.pressure	Kg/cm <sup>2</sup>	3.2	3.2	3.2	3	3	2.4	2.6	2.6	2.6
冷冻水配管出口	Chilled Water Outlet	Inch	1"	1"	1"	1.5"	1.5"	1.5"	2.5"	2.5"	2.5"
冷冻水配管入口	Chilled Water Inlet	Inch	1"	1"	1"	1.5"	1.5"	1.5"	2.5"	2.5"	2.5"
排水口	Drainage outlet	Inch	1/2"								
溢流口	Overflow port	Inch	1/2"								
重量	Weight	kg	120	200	220	280	320	362	450	550	600
外形尺寸 External size											
L		mm	1163	1163	1163	1163	1163	1780	1780	1780	1780
W		mm	740	740	740	740	740	1090	1090	1090	1090
H		mm	991	991	991	991	991	1350	1350	1350	1350

产品规格若有变更,恕不另行通知。  
please excuse for not note if some specifications of products are changed.

**Note 注:** 1) 制冷能力依据冷冻水进口温度12℃, 出口温度7℃,环境干球温度35℃测得  
2) 机器电压可根据客户需求定做

1) Condition for parameter test: temperature of chilled water: inlet 12℃, outlet 7℃; temperature of chilling water: inlet 30℃, outlet 35℃;  
2) The standard power voltage is 3φ 380V 50Hz; other voltage is available.