

# RCM series

## Water-cooled Industrial Chiller

### 机器特点

#### The characters of the machine

适用范围: 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。

- 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℃;
- 独立温度控制器防冻保护;
- 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;
- 壳管式冷凝器, 传热效果更佳, 散热更快;
- 压缩机及泵浦均有过载保护;
- 采用大容量的壳管式蒸发器, 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.
- Cooling temperature range 5-35°C.
- High-capacity tube-in-shell evaporator with very good heat exchange performance especially for high ambient temperature condition.
- Tube-in-shell evaporator 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.
- Independent temperature controller, anti-freeze protection.
- 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.



## RCM series Water-cooled Industrial Chiller

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, 加速产品定形; 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。

### Specifications 规格表

参数Parameter		机型Model	RCM-3W	RCM-4W	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	10	13.5	20	25.5	31.5	38.5	50	62.5	77.5	
	Kcal/hr		6500	9000	11500	16500	22000	27000	33000	44000	54000	66500	
压缩机输出功率 Compressor output power (HP)			3	4	5	8	10	12.5	15	20	25	30	
冷媒 Refrigerant			R22 R407C										
蒸发器 Evaporator			壳管式 / Tube-in-shell type										
冷凝器 Condenser			壳管式 / Tube-in-shell type										
冷凝器进出水管口径 Condenser in/out pipe diam (Inch)			1"		1 1/2"		2"		2 1/2"				
水箱容量 Tank capacity (L)			50		100		150		180		200		280
泵浦功率 Pump power (KW)			0.75		1.1		2.2		2.2				
泵浦最大流量 Pump max.flowrate(L/min)			80		150		250		400				
泵浦最大压力 Pump max.pressure(kg/cm <sup>2</sup> )			2.0										
冷冻水配管出口 Chilled Water Outlet			1/2"x4		1 1/2"		2"		2 1/2"				
冷冻水配管入口 Chilled Water Inlet			1/2"x4		1 1/2"		2"		2 1/2"				
溢流口 Overflow port			1/2"										
外形尺寸 Dimension WxLxH			580x1100x960			800x1280x1050		850x1450x1250		1000x2000x1400			
重量 Weight (KG)			120	140	170	220	280	350	400	450	550	600	

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.

#### 注Note:

- 1) 制冷量是在出水口温度12℃, 环境温度30℃下得到。  
The cooling capacity is measured when the outgoing water temperature is 12°C and ambient temperature is 30°C.
- 2) 制冷剂可选择R407C环保型冷媒(用N表示, 如RCM-10W-N...)  
The refrigerant can use R407C.  
For coding, use "N".  
For example, RCM-10W-N.
- 3) 机器电压规格为3Ø, 380V, 50Hz。  
The standard voltage is 3Ø, 380V, 50Hz.  
We also can make it as your requirements.

