日宏机械
RHONG MACHINERY

冷热交换系列
Cool and heat exchange series

RCM–A风冷冷水机
Air–cooled industrial chiller



RCM–W水冷冷水机
Water–cooled industrial chiller



RTC模具控温机
Mold temperature controller



RCMC–W水冷螺杆冷水机
Screw type water–cooled
Industrial chiller



RCMC–A风冷螺杆冷水机
Screw type air–cooled
Industrial chiller



风冷系列冷水机适用于水源不是很充足的区域，水冷系列冷水机适用于水源充足的区域，水冷冷水机的制冷效果优于风冷冷水机，但是必须连接冷却塔使用，客户可根据实际情况配备相应机型

Air–cooled industrial chillers are applicable for insufficient water supply country,water–cooled industrial chillers used for sufficient water supply country;

Water chillers cooling effiency is better than air chillers,but water chillers must work together with cooling tower

全新造型的冷热交换系列机型主要适用于塑胶工业，工业冷水机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，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。模具控温机可以实现模具的加热升温，并且让其温度稳定在设定值，以提高产品的成型质量，都是是现代工业中不可或缺的配置设备

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 for malization. The principle of heat exchangeis adopted for cooling. They can achieve rapid cooling, stable temperature controlling, and will be little effected by the surounding factors. Therefore they are necessary good equipments in modern industry.

Scope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。

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

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更多咨询请访问：
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RCM–W水冷式工业冷水机
Water–cooled industrial chiller



RCM–A风冷冷水机
Air–cooled industrial chiller

RCM–W水冷冷水机
Water–cooled industrial chiller

RTC模具控温机
Mold temperature controller

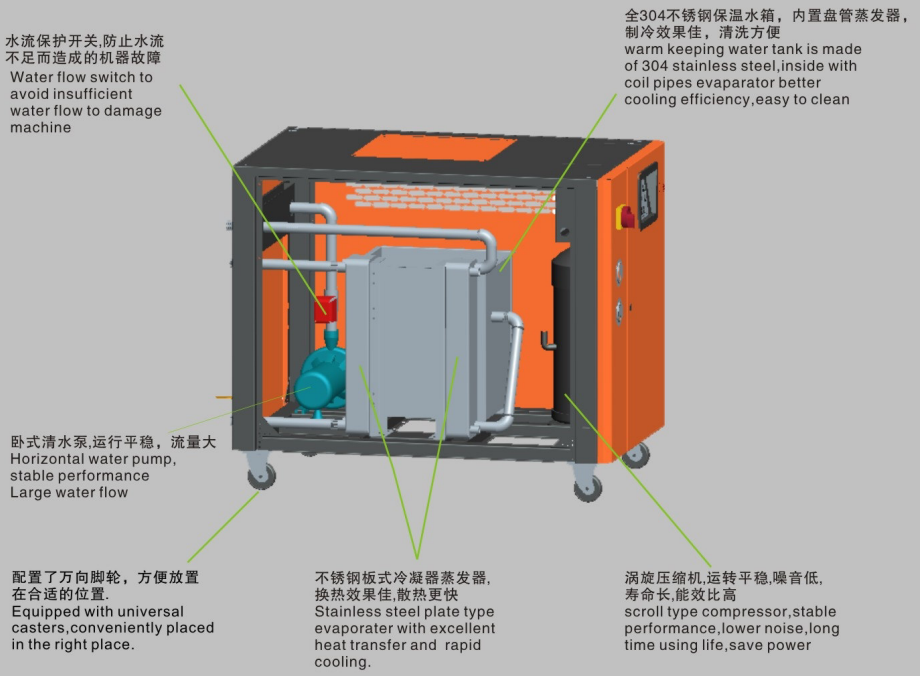
RCMC–W水冷螺杆冷水机
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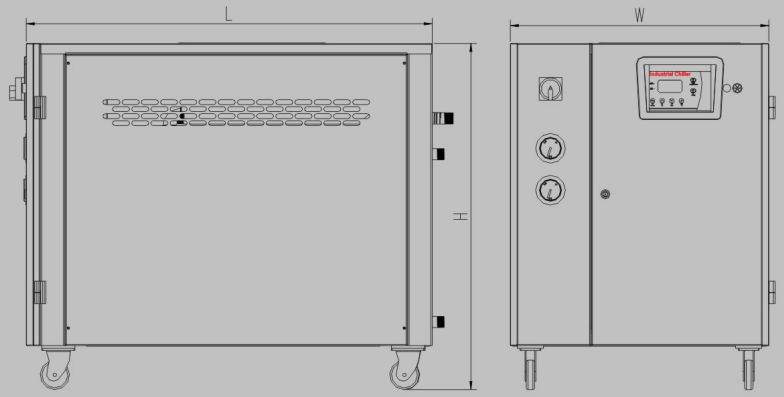
机器特点
Machine features



- ◆ 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；
- ◆ 不锈钢板式冷凝器，与蒸发器，传热效果更佳，散热更快；
- ◆ 压缩机及泵浦均有过载保护；
- ◆ 制冷剂采用R22，制冷效果好;
- ◆ 可选配R407C环保冷媒，更亲近自然；
- ◆ Warm-keeping design for all piping to avoid partial convection. Cooling temperature range 5-35℃.
- ◆ 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.
- ◆ R407 environment-friendly refrigerant is optional to use.
- ◆ Phase sequence protection for control circuit, refrigeration loop controlled by high and low pressure switch.
- ◆ Suitable for machine cooling in industries of plastics, electroplating, foodstuff, electrinic products, bleaching and dyeing, ultrosonics.

技术参数
Technical parameter

日宏机械 RHONG MACHINERY



规格表Specifications

机型 Model		RCM-3W	RCM-5W	RCM-8W	RCM-10W	RCM-12W	RCM-15W	RCM-20W	RCM-25W	RCM-30W
制冷量 chillling capaciity	KW	7.5	13.5	20	25.5	31.5	38.5	50	62.5	77.5
	KCAL/H	6450	11610	17200	21930	27090	33110	43000	53750	66500
压缩机类型 Compressor type	全封闭涡旋压缩机 Scroll compressor									
压缩机功率 Compressor outputpower	HP	3	5	8	10	12	15	20	25	30
冷媒 Refrigerant	R22/R407C									
冷媒充注量 Refrigerant Filling quantity	KG	2	3	5	6	7.5	10	12	15	20
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
泵浦最大流量 Pump max.flowrate	L/MIN	100	100	100	200	200	600	600	600	600
配管出口 Pipe size outlet	INCH	1	1	1	1.5	1.5	1.5	2.5	2.5	2.5
配管进口 Pipe size outlet	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
外形尺寸 External size										
长(L)	mm	1163	1163	1163	1163	1780	1780	1780	1780	1780
宽(W)	mm	740	740	740	740	1090	1090	1090	1090	1090
高(H)	mm	990	990	990	990	1350	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) The cooling capadity is measured when the outgoing water temperature is 7℃ and ambient temperature is 30℃.
2) The refrigerant can use R407. For coding, use"N". For example, RCM-10W-N.
3) The stardard voltage is 3Φ, 380V, 50Hz. We also can make it as your requirments.
1) 制冷量是在出水口温度7℃，进水口温度12℃,环境温度30℃下得到。
2) 制冷剂可选择R407C环保型冷媒(用N表示,如RCM-10W-N)
3) 机器电压规格为3Φ,380V, 50Hz。也可以根据客户要求定制

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机器特点
Machine features

RCMC-W系列水冷式螺杆工业冷水机均采用德国BITZER半密闭式双螺杆压缩机，具有卓越的技术特性，分为单压缩机和双压缩机两种。且适用于R22、R407等多种 冷媒。高效率卧式壳管式冷凝器与蒸发器，换热稳定，维修保养方便。先进的微电 脑控制器，功能强大，采用高速嵌入式微处理器，性能卓越。

RCMC-W series screw type water-cooled industrial chillers adopt German-made BITZER with half-closed and twin screw compressors,models with one or two compressors,suitable for using R22 and R407C refrigerants;Equipped with high efficiency tube-in-shell type condenser and evaporator;Ensure stable heat exchange and convenient maintenance;Advanced controller with built in microprocessor which has a powerful and excellent performance.

功能强大的微电脑控制器
Powerful microcomputer controller

德国比泽尔螺杆压缩机，性能优越
German brand--BITZER compressor



高效壳管式换热器,换热效果佳
High efficiency tube-in-shell type evaparator

高效壳管式冷凝器,换热充分
High efficiency tube-in-shell type condensor

◆德国制半密闭式双螺杆压缩机，轴承寿命长，可确保长时间运转。
◆压缩机双重的能量调节方式，可依客户需求作调整以达节能的效果。
◆冷凝器与蒸发器均符合国家要求，高热交换性能，且维修保养方便。
◆控制器扩展性能良好，可方便硬件及程序的扩展与升级。
◆Watchdog技术使微电脑控制器的硬件组件具有自我诊断 能力，能自动排除硬件故障。
◆配备稳定性高的记忆体，512K的程序存储容量及128K的 断电数据保存容量，可大量存储资料且不会流失。
◆独特的屏幕保护系统使触控屏寿命可达十年以上。
◆故障查询功能与故障统计功能可以按故障序号、故障次数 和发生时间来分析故障发生原因，以便加以改善。
◆可随时查看各点实际温度并作修改设定，此外尚可显示一 小时及一天的温度曲线。
◆支持多语言在线切换。

◆Half-closed, double screws compressor made in Germany with long service life.
◆Stepless compressor output capacity adjusting function are designed to save power.
◆Evaporator and condensor built strictly according to national standards.
◆Extendability of the controller makes upgrade of both hardware and software much easier.
◆"Watchdog"technology makes microprocessor able to automatically diagnose and solve the problems
◆512 K memory for programs and 128 K off-power data storage.
◆Special touch screen panel, long service life more than 10 years.
◆Function of fault query and fault statistics, convinient to analysis the fault and make improvement.
◆Able to monitor the setting of actual temp.and display temp, trend in hours or daily.
◆Support multi-language.

技术参数
Technical parameter

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机型 Model			RCMC-50W	RCMC-60W	RCMC-70W	RCMC-80W	RCMC-90W	RCMC-110W	RCMC-125W	RCMC-140W	RCMC-180W	RCMC-210W	RCMC-240W
制冷量 cooling capacity		Kcal/h	113500	141900	166000	191800	202200	272600	312200	360300	468700	541800	621800
		KW	132	165	193	223	256	317	363	419	545	630	723
电源 Voltage			380-415V/3Phase/50Hz										
输入功率 Input power		KW	37	45	52	60	67	82	92	103	132	155	176
冷媒 Refrigerant			R22/R407C										
压缩机 Compressor	类型Style		half closed screw type										
	数量QTY		1	1	1	1	1	1	1	1	1	1	1
	功率Power	HP	50	60	70	80	90	110	125	140	180	210	240
	启动方式 Starting way		星三角 Y-△Starting/分绕组 Distribution winding										
	容量控制 Capacity control	%	100-75-50-25										
冷凝器 Condensor	类型Style		壳管式高效换热器 Tube-in-shell high efficient heat exchanger										
	冷却水量 Chilling water flow	m3/hr	30	37	43	50	57	71	81	94	122	141	162
	水管接口 Water-pipe joint	KM	3	4	4	4	4	5	5	5	5	6	6
	数量QTY		1	1	1	1	1	1	1	1	1	1	1
蒸发器 Evaporator	类型Style		壳管式高效换热器 Tube-in-shell high efficient heat exchanger										
	数量QTY		1	1	1	1	1	1	1	1	1	1	1
冷冻水流量	Chilled water flow capacity	m3/hr	23	28	33	38	44	55	62	72	94	109	125
进出水接口	Water-pipe joint	inch	3	4	4	4	4	4	4	4	5	5	5
保护装置 Safety device			高低压开关，防冻开关，压缩机热过载保护，逆缺相保护，油压保护，冷冻水流量不足保护，水泵过载保护。 High/low pressure switch,, anti- freezeing temperature controller,compressor thermal overload protector,phase order protector，Oil pressure protector，pump overload protection,and so on.										
外形尺寸 xternal size		L	2175	2195	2245	2860	2860	2975	2985	3010	3510	3950	2595
		W	935	935	935	1700	1015	1015	1025	1055	1105	1150	1175
		H	1430	1500	1655	1700	1700	1965	1975	1990	2140	2155	2195

机型 Model			RCMC-50W-D	RCMC-60W-D	RCMC-70W-D	RCMC-80W-D	RCMC-90W-D	RCMC-110W-D	RCMC-125W-D	RCMC-140W-D	RCMC-180W	RCMC-210W-D	RCMC-240W-D
制冷量 cooling capacity		Kcal/h	336200	283800	331100	383600	440300	547800	623800	721500	940000	1083600	1243600
		KW	263	330	385	446	512	637	725	839	1093	1260	1446
电源 Voltage			380-415V/3Phase/50Hz										
输入功率 Input power		KW	73	90	104	120	134	164	184	206	264	310	352
冷媒 Refrigerant			R22/R407C										
压缩机 Compressor	类型Style		half closed screw type										
	数量QTY		2	2	2	2	2	2	2	2	2	2	2
	功率Power	HP	50x2	60x2	70x2	80x2	180x2	110x2	125x2	140x2	180x2	210x	240
	启动方式 Starting way		星三角 Y-△Starting/分绕组 Distribution winding										
	容量控制 Capacity control	%	100-75-50-25										
冷凝器 Condensor	类型Style		壳管式高效换热器 Tube-in-shell high efficient heat exchanger										
	冷却水量 Chilling water flow	m3/hr	59	75	86	100	115	142	162	188	244	282	323
	水管接口 Water-pipe joint	KM	4	4	4	4	5	5	5	4x2	5x2	6x2	6x2
	数量QTY		1	1	1	1	1	1	1	2	2	2	2
蒸发器 Evaporator	类型Style		壳管式高效换热器 Tube-in-shell high efficient heat exchanger										
	数量QTY		1	1	1	1	1	1	1	1	1	1	1
冷冻水流量	Chilled water flow capacity	m3/hr	45	57	66	77	88	110	125	144	188	217	250
进出水接口	Water-pipe joint	inch	4	4	4	5	5	5	5	6	6	8	8
保护装置 Safety device			高低压开关，防冻开关，压缩机热过载保护，逆缺相保护，油压保护，冷冻水流量不足保护，水泵过载保护。 High/low pressure switch,, anti- freezeing temperature controller,compressor thermal overload protector,phase order protector，Oil pressure protector，pump overload protection,and so on.										
外形尺寸 xternal size		L	2850	2850	3040	3130	3140	3760	3760	3760	4100	4100	4250
		W	1150	1150	1250	1250	1250	1400	1400	1400	1600	1750	1750
		H	1450	1450	1760	1790	1810	2030	2040	2080	2260	2290	2360

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Note 注：

1）参数测试条件：冷冻水入口温度12℃，出水口温度7℃，冷却水入口30℃，出口温度35℃。
2）"-D"代表双压缩机。
3）如有特殊要求，订货前请提出要求规范。

1) Condition for parameter test:temperature of chilled waterinlet 12℃, outlet 7℃；;temperature of chilling water:inlet 30℃.outlet 35℃.
2) "-D"means double compressor.
3) Any special requirements,have to be adviced before order.