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 achieverapid 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

宁波北仑日宏机械制造有限公司
Ningbo Beilun Rhong Machinery Manufacturing Co.,Ltd

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更多咨询请访问：
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RCM–A 风冷冷水机
Air–cooled industrial chiller

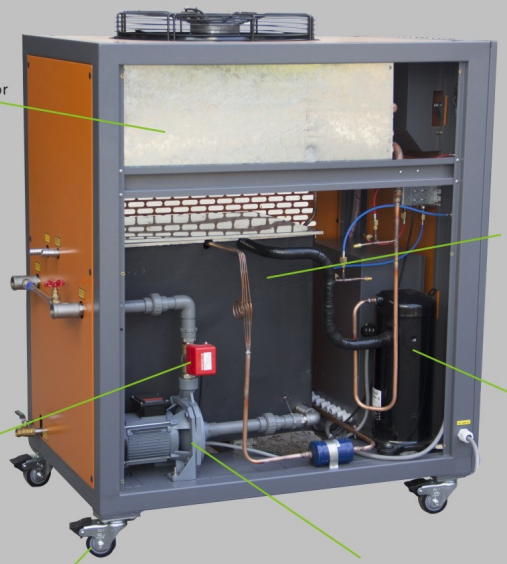


RCM–A风冷冷水机
Air–cooled industrial chiller
RCM–W水冷冷水机
Water–cooled industrial chiller
RTC模具控温机
Mold temperature controller
RCMC–W水冷螺杆冷水机
Screw type water–cooled industrial chiller
RCMC–A风冷螺杆冷水机
Screw type air–cooled industrial chiller

Cool and heat exchange series
冷热交换系列

日宏机械 RHONG MACHINERY

机器特点
Machine features



带风罩式翅片冷凝器,
换热效果佳,散热更快
Tube-fin type condensor with cover,better heat exchange,faster heat dissipation

全304不锈钢保温水箱，内置盘管蒸发器，制冷效果佳，清洗方便
warm keeping water tank is made of 304 stainless steel,inside with coil pipes evaparator better cooling efficiency,easy to clean

水流保护开关,防止水流不足而造成的机器故障
Water flow switch to avoid insufficient water flow to damage machine

涡旋压缩机,运转平稳,噪音低,寿命长,能效比高
scroll type compressor,stable performance,lower noise,long time using life,save power

卧式清水泵,运行平稳，流量大
Horizontal water pump,
stable performance
Large water flow

配置了万向脚轮，方便放置在合适的位置.
Equipped with universal casters,conveniently placed in the right place.

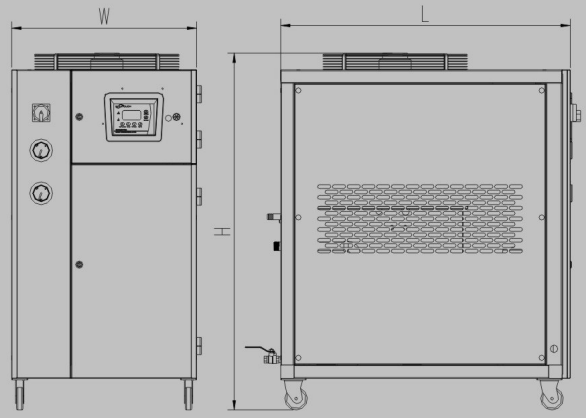


蒸发器类型可选择壳管式
can select High efficiency tube-in-shell type evaparator

- ◆ 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;
- ◆ 亲水光翅片式冷凝器，传热效果更佳，散热更快
- ◆ 压缩机及泵浦均有过载保护
- ◆ 采用盘管蒸发器，制冷效果好，方便清洗;
- ◆ 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 very good heat exchange performance especially for high ambient temperature condition.
- ◆ Tube-fin double condensers 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.
- ◆ standard allocation with coil pipes evaporator,higher cooling effiency,easy to clean

日宏机械 RHONG MACHINERY

技术参数
Technical parameter



规格表Specifications

机型 Model		RCM3A	RCM5A	RCM8A	RCM10A	RCM12A	RCM15A	RCM20A	RCM25A	RCM30A
制冷量 chilling capaciity	KW	7.5	12.5	18	23	28	36	46	58	72
	KCAL/H	6450	10750	15480	19780	24080	30960	39560	49880	61920
压缩机类型 Compre ssor ou tputpower	全封闭涡旋压缩机 Scroll compressor									
压缩机功率 Compressor ou tputpower	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
风机功率Blower power	KW	0.25	0.19x2	0.25x2	0.42x2	0.25x4	0.25x4	0.42x4	0.42x6	0.42x6
水箱容量Tank capacity	L	56	65	113	129	173	173	271	350	400
长（L）	mm	1090	1250	1350	1350	1700	1700	1900	2150	2150
宽（W）	mm	760	760	860	960	1200	1200	1200	1480	1480
高（H）	mm	1250	1320	1560	1620	1750	1750	1750	1800	1800

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-10A-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) 制冷剂可选配R407C环保型冷媒(用N表示,如RCM-10A-N)
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Plastic industry, electroplating industry, food industry, electronic products, dye industry, ultrasonic mechanical cooling, and other industries

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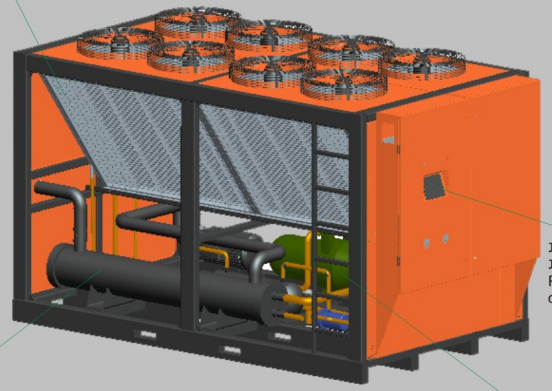
日宏机械 RHONG MACHINERY

机器特点
Machine features

RCMC-A系列风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-A series screw type air- cooled central 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.; Equiped with highefficiency tube-in-shell type condensor and evaporator ensure stable heat exchange and convenient maintenance; advanced controller with built in microprocessor which has a powerful and excellent performance

翅片冷凝器,换热效果佳以及敞开式结构,维护方便
High efficiency fin type condensor,
Open-style structure，easy to maintenance



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

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

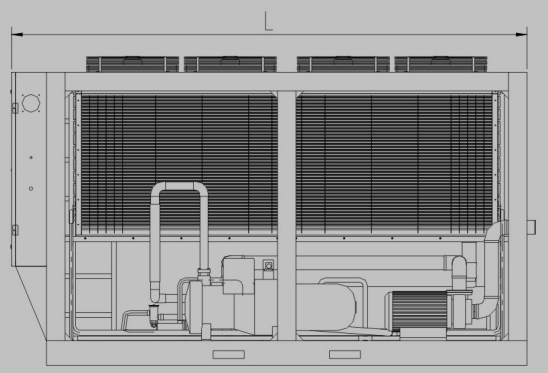
德国比泽尔螺杆压缩机，性能优越
German brand--BITZER compressor

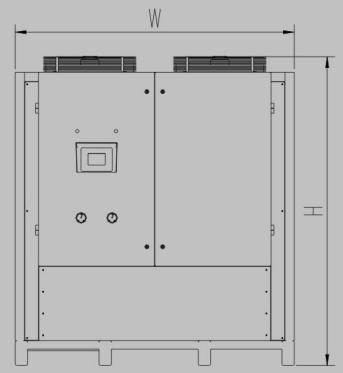
◆德国制半密闭式双螺杆压缩机，轴承寿命长，可确保长时间运转。
◆压缩机双重的能量调节方式，可依客户需求作调整以达节能的效果。
◆冷凝器与蒸发器均符合国家要求，高热交换性能，且维修保养方便。
◆控制器扩展性能良好，可方便硬件及程序的扩展与升级。
◆ Watchdog技术使微电脑控制器的硬件组件具有自我诊断 能力，能自动排除硬件故障。
◆配备稳定性高的记忆体，512K的程序存储容量及128K的 断电数据保存容量，可大量存储资料且不会流失。
◆独特的屏幕保护系统使触控屏寿命可达十年以上。
◆故障查询功能与故障统计功能可以按故障序号、故障次数 和发生时间来分析故障发生原因，以便加以改善。
◆可随时查看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

日宏机械 RHONG MACHINERY





风冷螺杆式冷水机组技术参数表
Air chiller with screwtype technical parameters

机型 Model			RCMC-50A	RCMC-60A	RCMC-70A	RCMC-80A	RCMC-90A	RCMC-100A	RCMC-120A	RCMC140A	RCMC-160A	RCMC-180A
制冷量 cooling capacity		Kcal/h	103200	124700	146200	167700	189200	206400	249400	292400	335400	378400
		KW	120	145	170	195	220	240	290	340	390	440
电源 Voltage			380-415V/3Phase/50Hz									
输入功率 Input power		KW	48	58	64	72	82	95	110	130	150	165
冷媒 Refrigerant			R22/R407C									
压缩机 Compressor	类型Style		half closed screw type									
	数量QTY		1	1	1	1	1	2	2	2	2	2
	功率Power	KW	37	45	52	60	67	37x2	45x2	52x2	60x2	67x2
	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		翅片式 /Tube-fin									
风机 Blower	风量air capacity	m3/h	60000	76000	76000	86400	114000	136000	136000	152000	204000	204000
	功率Power	KW	8x0.55	8x0.8	8x0.8	8x0.85	12x0.8	8x1.7	8x1.7	2.4x8	12x1.7	12x1.7
蒸发器 Evaporator	类型Style											
	数量QTY		1	1	1	1	1	1	1	1	1	1
冷冻水流量	chilled water flow capacity	m3/h	23	25	30	34	38	42	50	59	68	76
泵浦功率	Pump power	KW	4	5.5	5.5	5.5	5.5	7.5	7.5	7.5	11	11
进出水接口	water-pipe joint	inch	3	4	4	4	4	4	4	4	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，风机过载保护，水泵过载保护，High/low pressure switch,，anti- freezeing temperature controller,compressor thermal overload protector,phase order protector，Oil pressure protector，blower overcurrent protection,pump overload protect									
外形尺寸External size		L	3400	3400	3500	3800	3800	3800	4600	5000	5500	5600
		W	1800	2150	2200	2200	2200	2200	2250	2250	2250	2250
		H	2000	2350	2250	2250	2250	2250	2250	2250	2450	2450

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Please excuse for not note if some specifications of products are changed.

Note 注：

1)制冷量是在出水口温度7℃，进水口温度12℃,环境干球温度35℃得到。
2)制冷剂可选配R407C环保型冷媒(用N表示,如RCMC-50A-N)
3)机器电压规格为3Φ,380V, 50Hz。也可以根据客户要求定制

1) The cooling capadity is measured when the outgoing water temperature is 7℃ and ambient dry-bulb temperature 35℃。
2)The refrigerant can use R407. For coding, (use"N". For example, RCM-50A-N).
3)The stardard voltage is 3Φ, 380V, 50Hz. We also can make it as your requirments.