

水式模温机 Water Type Mold Temperature Conrtrollers

TTW

● 特点 Features

- 电控箱与机身隔离，隔热效果佳，电器使用寿命长。
- 模温机专用触摸屏控制器□ 控温更合理□ 省电35%以上□
- 安全保护及故障指示系统完善,维修方便无需专业人员□
- 进口高级组件□ 使用年限长□
- 升降温速度快□ 温度精确稳定□ 可达 $\pm 0.1^{\circ}\text{C}$ 。
- 独特的加热设计□ 适合不同温控场所使用□ 节能效果明显□
- 主管路采用304不锈钢一体成型□ 管损小□ 加热均匀□ 使用寿命长□
- 开机自动排气功能□
- 吹气回水功能□

- Electronic control panel and machine body are isolated to acquire good effects on heat insulation in order to extend the service life of electrical components.
- P.I.D multi-stage temperature control system can save power up to 35% thanks to control temperature accurately & reasonably.
- Perfect safety protection and error indication display which are easymaintained and repaired ,even without professionals can do it.
- Imported hi-class parts with long service life.
- Rapid heating and cool down speeds lead temperature to be kept precisely and stably with accuracy up to ± 0.1 .
- Unique heating design are suitable to different temperature control application with excellent & distinct power saving.
- 304 stainless steel integrated pipelines with less pipe resistance and even heating for long service life.
- Automatic air-exhausting function after startup.
- Air blowing and return water function.



使用水为传热媒介，以直接（低温型）或间接冷却（高温型）方式达到热交换。具有热传导效率高，污染少，水资源容易取得，使用成本低等优点。标准型温度控制达 $120\sim 180^{\circ}\text{C}$ 。

Water Type Mold Temperature Controllers use water as heating media to realize heat exchange by direct cooling for standard temperature control from $120\sim 180^{\circ}\text{C}$. Water type has its superiorities with high efficient heat transmission, less pollution, water resource easy to be attained with low cost.

● 安全保护及指示系统 Safety Protecting and Indiction System

安全保护及指示系统
Safty Protection and Indiction System

电源欠相保护
Power lack-phase protection

总电源保护及指示灯
Power supply protection and indicating lamp

泵反转保护及指示灯
Pump reverse protection and indicating lamp

泵过载保护及指示灯
Pump overload protection and indicating lamp

缺水保护及指示灯
Water shortage protection and indicating lamp

过热保护及指示灯
Overheat protection and indicating lamp

热水By-pass压力回路
Hot water by-pass pressure release loop

强制冷却
Forced cooling

温度异常警报
Abnormal temperature alarm

异常警报蜂鸣器
Abnormal alarm buzzer



● 选择加装配件 Options

感温棒接到外部配线
Thermocouplen for connecting external wiring

大型水质滤芯器
Large water filter

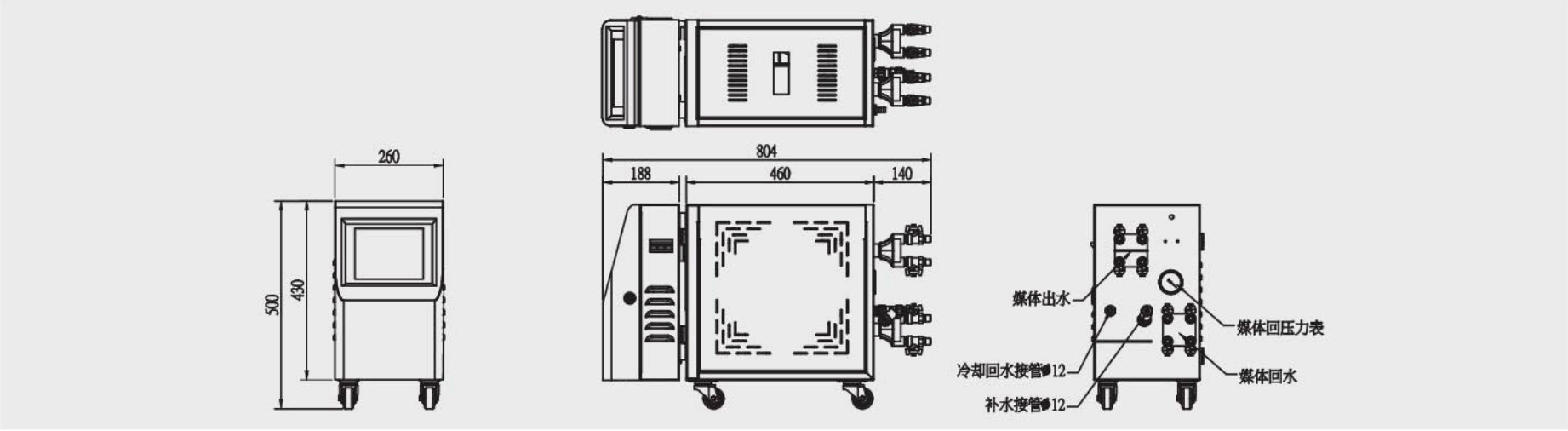
防漏电保护开关
Leakage protection switch

电压异常保护开关
Abnormal voltage protection switch

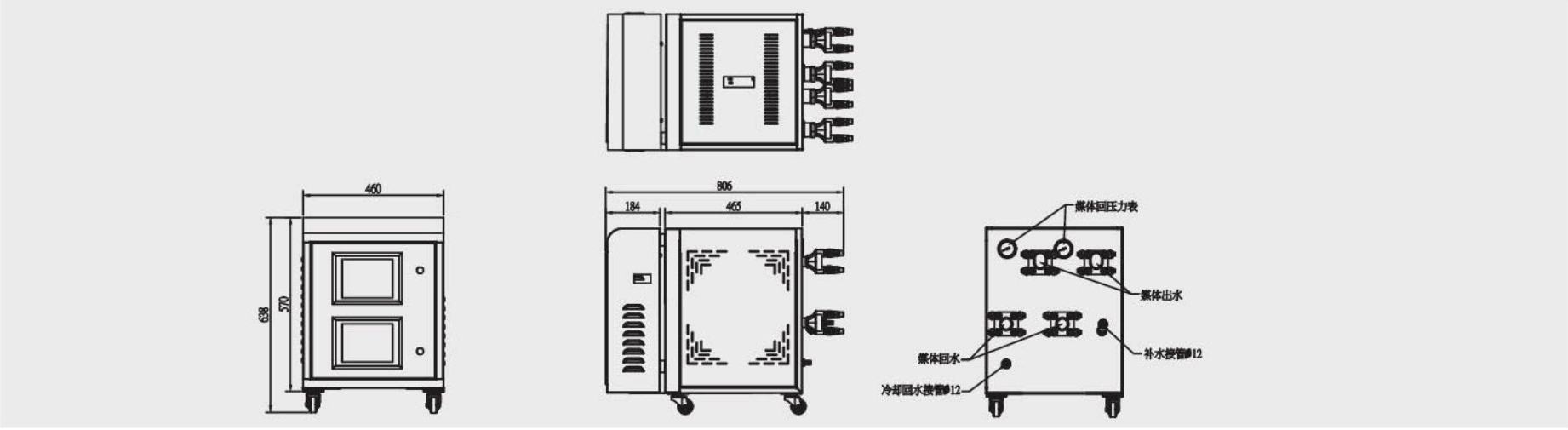
铁弗龙管
Teflon hose

● 产品结构图 Product Structure Diagram

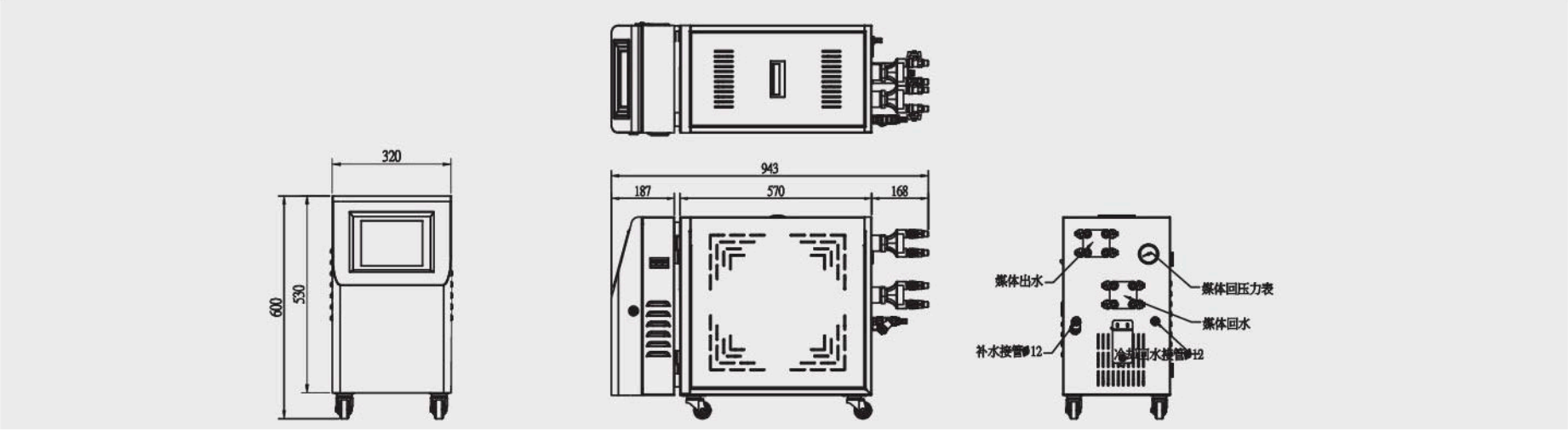
1、TTW-1210B(不含选购件)



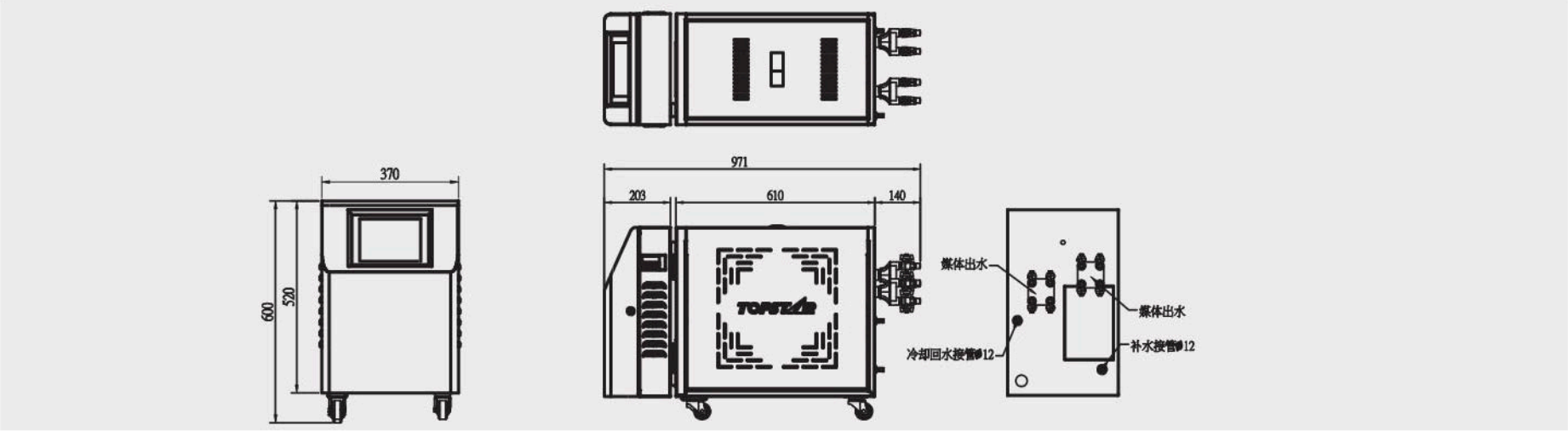
2.TTW-1210DB(不含选购件)



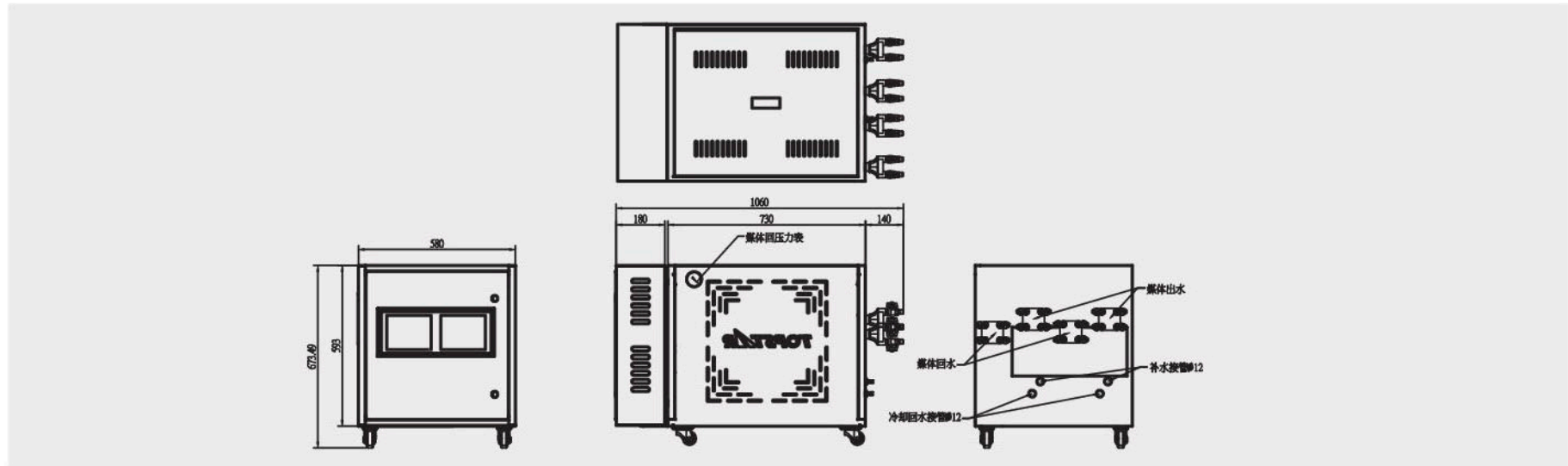
3、TTW-1220B/1230B(不含选购件)



4.TTW-1610B/1810B(不含选购件)



5、TTW-1610DB/1810DB(不含选购件)



● 规格表 Specification Sheet

产品型号Model		TTW-1205B	TTW-1210B	TTW-1220B	TTW-1230B	TTW-1610B	TTW-1810B	TTW-125018	TTW-125030	TTW-1620	TTW-1630	TTW-1650	TTW-184024(磁力泵)	
适用范围 range of application		清水 clean water						清水 clean water						
最高温度 max temperature		℃	120			160	180	120		160			180	
最低温度 min temperature		℃	冷却水温度+5℃ water temperature +5℃						冷却水温度+5℃ water temperature +5℃					
热媒体 medium		清水 clean water						清水 clean water						
冷却方式 cool mode		直接冷却 direct cool				间接冷却 indirect cool		直接冷却 direct cool		间接冷却 indirect cool				
加热管功率 heater capacity		KW	6	9	9	12	9	9	9×2	15×2	9	9×2	9×2	12×2
媒体泵 pump	功率 power	KW	0.37	0.75	1.5	2.2	0.75	1.1	3.7	3.7	1.5	2.2	3.7	3
	最大流量 max.flow	Lr/min	48	58	190	230	60	71	475	475	190	230	475	100
	最大压力 max.pressure	Mpa	0.3	0.4	0.22	0.28	0.45	0.53	0.35	0.35	0.22	0.28	0.35	0.5
	流量 flow	Lr/min	44/30/13	58/38/21	190/150/110	220/175/60	50/40/30	60/40/11	416/225/105	416/225/105	190/150/110	220/170/60	416/225/105	80/50/30
	压力 pressure	Mpa	0.1/0.16/0.24	0.14/0.26/0.38	0.15/0.18/0.2	0.19/1.22/1.26	0.1/0.2/0.3	0.1/0.26/0.44	0.2/0.3/0.33	0.2/0.3/0.33	0.15/0.18/0.2	0.19/0.22/0.26	0.2/0.3/0.33	0.3/0.4/0.45
增压泵(W) booster pump		W	无 None				48		无 None		48			
媒体进出口径（分流器型式）inlet/outle pipe(splitter)			2进2出 2 in 2 out	4进4出 4 in 4 out	4进4出 4 in 4 out	4进4出 4 in 4 out	4进4出 4 in 4 out	4进4出 4 in 4 out	8进8出 2 in 2 out	8进8出 2 in 2 out	4进4出 4 in 4 out	4进4出 4 in 4 out	8进8出 2 in 2 out	8进8出 2 in 2 out
			3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
补水口径 supply water pipe			Φ 12						Φ 12					
冷却回水口径 water outlet pipe			Φ 12						Φ 12					
补水流量要求（客户提供）L/min water flow(custmor)		L/min	10	15	30	45	30	30	60	60	30	45	60	30
压缩空气要求(清模选购项) compressed air(clean mould)			0.4-0.7mpa X 100L/min						0.4-0.7mpa X 100L/min					
报警功能 alarm			逆相、媒体不足、媒体泵过负荷、温度探头断线、温度上下限报警 phase fault, lack medium , pump overload,thermocouple fault,temperature low/high						逆相、媒体不足、媒体泵过负荷、温度探头断线、温度上下限报警 phase fault, lack medium , pump overload,thermocouple fault,temperature low/high					
电源 power	主回路电压 main current power	V	380VAC 3P/PE 50Hz						380VAC 3P/PE 50Hz					
	控制回路电压 control current voltage	V	220VAC 1P/PE 50Hz						220VAC 1P/PE 50Hz					
	总电气容量(kW)Total electric capacity	200V/220V /380V	6.5	10	10.7	14.5	10	11.3	22	34	11	20.5	22	27.5
	主空开容量(A)Main breaker capacity	200V/220V	25	63	63	63	32	63	63	100	32	63	100	100
380V/415V /440V		16	25	32	32	25	25	63	63	25	63	63	63	
电源线 power line			5						5					
涂 装 色 color	机架本体 rack	M	灰白（潘通冷灰1C) gray						灰白（潘通冷灰1C) gray					
	电气箱门、封板 electric box , cover plate		绿色(潘通3262C) green						绿色(潘通3262C) green					
	SUS不锈钢部分 SUS stainless steel part		无 None						无 None					
重量 weight		KG	50	55	85	90	70	65	90	95	90	130	100	130
外形尺寸(长×宽×高) dimensions (L×W×H)		mm	664×260×500	664×260×500	775×320×600	775×320×600	831×370×600	831×370×600	1017×500×926	1017×500×926	801×350×790	967×440×853	1017×500×926	1033×400×870

注：产品规格若有变更，恕不另行通知。 We reserve right to change specifications without prior notice.

● 规格表 Specification Sheet

产品型号Model			TTW-1 205DB	TTW-1 210DB	TTW- 1220D	TTW-1 25030D	TTW-1 610DB	TTW- 1620D	TTW-1 810DB	TTWC -1210	TTWC -1230
适用范围 range of application			清水 clean water							纯水 pure water	
最高温度 max temperature		℃	120				160		180	120	
最低温度 min temperature		℃	冷却水温度+5℃ water temperature +5℃								
热媒体 medium			清水 clean water							纯水 pure water	
冷却方式 cool mode			直接冷却 direct cool				间接冷却 indirect cool			直接冷却 direct cool	
加热管功率 heater capacity		KW	6×2	9×2	9×2	15×4	9×2	9×2	9×2	9	18
媒体泵 pump	功率 power	KW	0.37×2	0.75×2	1.5×2	3.7×2	0.75×2	1.5×2	1.1×2	0.75	2.2
	最大流量 max.flow	Lr/min	48	58	190	475	60	190	70	58	150
	最大压力 max.pressure	Mpa	0.3	0.4	0.22	0.35	0.45	0.22	0.53	0.4	0.45
	流量 flow	Lr/min	44/30/13	58/38/21	190/150/ 110	416/225/ 105	50/40/30	190/150/ 110	60/40/11	58/38/21	120/80/60
	压力 pressure	Mpa	0.1/0.16/ 0.24	0.14/0.26 /0.38	0.15/0.18 /0.2	0.2/0.3/ 0.33	0.1/0.2/ 0.3	0.1/0.18 /0.24	0.1/0.26/ 0.44	0.14/0.26 /0.38	0.25/0.35/ 0.45
增压泵(W) booster pump		W	无 None				48			无 None	
媒体进出口径（分流器型式） inlet/outle pipe(splitter)			2进2出×2 2 in 2 outX2	4进4出×2 4 in 4 outX2	4进4出×2 4 in 4 outX2	1进1出×2 1 in 1 outX2	4进4出×2 4 in 4 outX2	4进4出×2 4 in 4 outX2	4进4出×2 4 in 4 outX2	4进4出 4 in 4 out	4进4出 4 in 4 out
			3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
补水口径 supply water pipe			Φ 12								
冷却回水口径 water outlet pipe			Φ 12								
补水流量要求（客户提供） L/min water flow(custmor)		L/min	20	30	60	90	60	60	60	水箱容积 (15L)	水箱容积 (50L)
压缩空气要求(清模选购项) compressed air(clean mould)			0.4-0.7mpa X 100L/min								
报警功能 alarm			逆相、媒体不足、媒体泵过负荷、温度探头断线、温度上下限报警 phase fault, lack medium , pump overload,thermcouple fault,temperature low/high								
电源 power	主回路电压 main current power	V	380VAC 3P/PE 50Hz								
	控制回路电压 control current voltage	V	220VAC 1P/PE 50Hz								
	总电气容量(kW)Total electric capacity	200V/220V /380V	13	19.5	21	68	20	21.5	20.4	10	21
	主空开容量(A)Main breaker capacity	200V/220V	63	63	63	200	100	100	100	32	63
		380V/415V /440V	32	63	63	150	63	63	63	25	63
电源线 power line			5								
涂 装 色 color	机架本体 rack	M	灰白（潘通冷灰1C) gray								
	电气箱门、封板 electric box , cover plate		绿色(潘通3262C) green								
	SUS不锈钢部分 SUS stainless steel part		无 None								
重量 weight		KG	70	90	120	160	180	140	190	55	120
外形尺寸 (长×宽×高) dimensions (L×W×H)		mm	800×464 ×638	800×464 ×638	1047×600 ×650	1017×901 ×925	920×580 ×673	1090×600 ×778	920×580 ×673	823×320 ×780	1160×650 ×980

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