

TTWBseries

领航版 Ultimate Version

传热媒体（水） 最高使用温度180℃

Heat transfer media (water)
Maximum use temperature 180℃



TTWB-1810D

TTWB-1810

外型尺寸图 Dimensions

单位/Unit : mm



型号 Model	W	D1	D2	H
TTWB-1810	295	725	973	583
TTWB-1820	314	725	973	648
TTWB-182024	314	855	1102	729
TTWB-183024	314	855	1102	729
TTWB-1810D	584	725	973	604
TTWB-1820D	584	725	973	669

注1: 选配清模功能尺寸会变化, 非标机型尺寸另行通知。

Note 1: The size of the optional mold clearing function will change, and the size of non-standard models will be notified.

更高精度

Higher Precision

- 温度表示单位0.1℃, 带PID自调节功能。
- The temperature is in 0.1℃, with PID self-adjustment function.

更智能

More Intelligent

- 7寸触摸屏, 显示直观, 操作简便;
- 设备运行状态日志与报警日志;
- 支持提前一周预约开关机;
- RS485通讯接口, 支持MODBUS RTU通讯协议。
- 7" touch screen with intuitive display and easy operation;
- Equipment operation status log and alarm log;
- Support for appointment switching of one week in advance;
- RS485 communication interface, supporting MODBUS RTU communication protocol.

更安全可靠的性能

More Safe And Reliable Performance

- 无轴封磁力泵, 运行更稳定;
- 高精度超声波流量计, 确保温度及流量稳定;
- 防管路、模具堵塞或泄漏检测;
- 系统压力实时监控;
- 系统超温、电气超温保护。
- No shaft seal magnetic pump, running more stable;
- High-precision ultrasonic flow meter to ensure stable temperature and flow;
- Prevent pipelines, mold blockage or leak detection;
- System pressure real-time monitoring;
- System over-temperature and electrical over-temperature protection.

更合理的结构

More Rational Structural Design

- 结构精巧设计, 提升空间利用率;
- 巧妙的散热通道设计, 有效保护电气元件;
- 模块化结构设计和抗腐蚀材质。
- Delicate design of structure to enhance space utilization;
- Ingenious design of heat dissipation channels to effectively protect electrical components;
- Modular design and corrosion-resistant material for the whole machine.

拓星链应用平台

Top Star Chain Application Platform

- 实时远程监控, 设备运行数据统计、分析及寿命管理。
- Real-time remote monitoring, centralized equipment management: data statistics, analysis and machine life management are available.



规格 Specification

型号 Model		TTWB-1810			TTWB-1820		TTWB-182024			TTWB-183024			TTWB-1810D			TTWB-1820D		
传热媒体 Heat transfer media		清水 执行标准: GB1576 (工业锅炉水质) Clear water Implementation standard: GB1576 (industrial boiler water quality)																
使用温度 Operating temperature(℃)		冷却水温度+20℃ ~ 180℃ Cooling water temperature +20℃ ~ 180℃																
控制方式 Control method		7寸触摸屏/PID控制 7 "touch screen /PID control																
冷却能力 Cooling capacity(kW)(Note 2)		10.8			10.3		10.3			10.4			10.8+10.8			10.3+10.3		
加热器 Heater	加热功率 Heating power(kW)	8			12		12×2			12×2			8+8			12+12		
	驱动方式 Drive method	SSR控制 SSR control																
泵浦功率 Pump power(kW)		1.1			1.5				2.2				1.1+1.1			1.5+1.5		
泵浦形式 Pump form		卧式磁力泵（无轴封） Horizontal magnetic pump (without shaft seal)																
媒体泵 Media Pumps	最大流量 Maximum flow rate (L/min)	54			73				90				54			73		
	最大压力 Max. pressure (Mpa)	0.5			0.51				0.55				0.5			0.51		
	流量 Flow rate(L/min)	45	27	13	55	36	15	65	40	20	45	27	13	55	36	15		
	全扬程 Full head (m)	10	23	37	13	27	38	15	35	53	10	23	37	13	27	38		
循环系统 Circulation System	出回媒管径 Outlet and return pipe diameter	DN25																
	分流器配置 Diverter configuration	4进4出 3/8" 力古 4 in 4 out 3/8 "Rigo					6进6出 3/8" 力古 6 in 6 out 3/8 "Rigo					4进4出+4进4出 3/8" 力古 4 in 4 out +4 in 4 out 3/8 "Rigo						
冷却系统 Cooling System	冷却进出水管径 Cooling inlet and outlet pipe diameter	φ 12宝塔水咀 φ 12 pagoda water Tsui																
	冷却方式 Cooling mode	间接冷却 Indirect cooling																
	冷却进出水压差 Cooling inlet and outlet pressure difference (Mpa)	≥0.05																
	冷却压力 Cooling pressure (Mpa)	0.05-0.5（ 进水压力大于出水压力） 0.05-0.5 (inlet pressure greater than outlet pressure)																
电 Electricity	用电规格 Electricity specification	AC380V 3P/PE 50Hz																
	主断路器容量 Main circuit breaker capacity (A)	32					63											
	总电气容量 Total electrical capacity (kW)	9.3			13.7		25.7			26.4			18.6			27.4		
	电源线 Power cord (5m long)	4×4.0mm ²			4×6.0mm ²		4×10.0mm ²				4×6.0mm ²				4×10.0mm ²			
保护功能 Protection function		电源逆相/电源缺相/水泵过电流/水泵线圈超温/加热器超温/媒体温度异常/温度探头断线/整机负荷保护/ 控制回路保护/系统压力低保护/系统压力高保护/系统压力高机械保护/系统液位低保护 Power reverse phase/power lack phase/water pump overcurrent/pump coil overtemperature/heater overtemperature/media temperature anomaly/ temperature probe disconnected/machine load protection/control loop protection/low system pressure protection/ high system pressure protection/high system pressure																
机箱颜色 Case color		SPCC白色烤漆（RAL7047）、SPCC蓝色烤漆（RAL5012）、SUS SPCC white baking paint (RAL7047), SPCC blue baking paint (RAL5012), SUS																
产品净重 Product net weight (kg)		73			80		104			109			136			155		

注2: 冷却能力: 冷却进水大于出水0.1Mpa, 冷却水温10℃, Δt=60℃ Note 2: Cooling capacity: cooling inlet greater than outlet 0.1Mpa, cooling temperature 10℃, Δt=60℃

配置表 Configuration Table

型号 Model	TTWB-1810	TTWB-1820	TTWB-182024	TTWB-183024	TTWB-1810D	TTWB-1820D
3P 380V 50HZ	●	●	●	●	●	●
3P 415V 50HZ	○	○	○	○	○	○
3P 440V 60HZ	○	○	○	○	○	○
3P 480V 60HZ	○	○	○	○	○	○
清模功能 Mold cleaning function	○	○	○	○	○	○
漏电保护 Leakage protection	○	○	○	○	○	○
精密水质过滤器 Precision water filter	○	○	○	○	○	○
分流器1进1出 Diverter 1 in and 1 out	○	○	○	○	○	○
分流器4进4出 Diverter 4 in and 4 out	●	●	●	-	●	●
分流器6进6出 Diverter 6 in and 6 out	○	○	○	●	○	○
分流器8进8出 Diverter 8 in and 8 out	-	○	○	○	-	○

注3: 标配功能 “●”、选配功能 “○” 和 “-” 表示无。 Note 3: Standard function “●”, optional function “○” and “-” indicates none.