GAT系列表冷却塔
GAT Series Cooling Tower

特别设计，突出特别品质
GAT系列冷却塔在传统方形冷却塔基础上对其结构、工艺进行优化设计，合理利用各功能，所有部件和材料都经过严格的挑选和测试以保证其使用寿命和运行可靠。独特创新的机械化工艺改良及冷却塔的高品质提供可靠保障的同时，有效控制了整体重量。GAT系列冷却塔以其轻质、重量轻、抗腐蚀耐久，运行稳定等特点，同时，配备新型安全装置，实现不同温度条件及不同负荷条件下风机转速和冷却水的温度变化自动调节，达到节能减排的目的，为用户提供更安全的运行保障。

GAT series is an improved model on the structure and technology from the traditional square cooling tower. Every internal component is appropriately used. All parts and materials are rigidly checked and tested to make sure their service life and operation. The improved mechanized technology not only ensures the high quality of the cooling tower, but also effectively reduces the dead weight of the tower, making the GAT series endowed with advantages of small in size, light in weight, high efficiency, long service life and stable operation. Equipped with frequency changer, this series can automatically regulate the fan speed as the cooling water temperature changes under different temperature and load which can save energy and lower noise. This function saves operation cost for the users.

主要部件 Main parts

电机
采用国家认证的变频节能电机。适应在严酷的环境中长年连续运行，具有高效率、低噪音、寿命长、可靠性高等特点，还可根据客户要求配备国产或进口电机及相应的变频器。

Motor
It is totally enclosed motor specially for cooling tower. This type of model can run continuously under muggy environment. It has the characteristic of high efficient, low noise, long service life and high reliability. Domestic or imported motor with relative inverter is available according to the customers requirement.

皮带和减速箱
采用进口聚氨酯，减速箱采用外完全封闭，双密封圈防水结构。经平滑调试，运行稳定，噪音低。防止防水性不良。

Belt and speed reducer
The belt is imported V shaped belt. The speed reducer cabinet is totally enclosed with two layers of sealing ring. In the balance test, it is proved to have stable operation, low noise and fine corrosion resistance. It is also able to maintain water proof performance.

风机
表面电化铝处理，经平滑调试。大弧线形扭曲结构，风量大，效率高，运行静，噪声低。

Fan
Electrochemical protection surface has gone through balance test. Large angle and space wave structure produces large air volume, high efficiency, low noise and corrosion resistance ability.

风罩
采用优质玻璃钢复合材料制成型风罩，外表光滑，能有效降低风阻，提供良好的气流环境。

Air duct
It is made of high quality FRP compound material. Arc transition section and smooth surface reduce the air resistance effectively and provide a nice air flow environment.

喷嘴
选用方型喷嘴，整个喷嘴面为方形，无死角，无重叠，将冷却水连续均匀地送到填料的每个角落，并能自动调节，具有寿命长、不堵塞、效率高等特点。

Nozzle
Square nozzles give square spraying area without blind or overlap area. They distribute cooling water to every corner of the filling, and automatically self-clean. They are durable, high efficient and will not block.

填料
优质填料，pvc缠绕方形组合，表面抗化学和水流风。表面高水性好，散热量大，风阻小，低噪高，耐腐蚀。

Filling
Modified PVC filling with trapezoid shape block assembly potentially enlarges the contact area and water collection area. It is hydrophilic and corrosion resistant. It also has a larger heat rejection area, lower air resistance, and higher cooling capacity.

框架
采用不熔铸钢件，表面经过表面处理，耐酸碱、重腐蚀，易拼装。

Frame
The surface has gone through preservation treatment. It is corrosion resistance, light and easy to assemble.
GAT系列冷却塔基本数据表
Cooling Tower Basic Data

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设计工况：进水温度37℃，出水温度32℃，干球温度31.5℃，湿球温度28℃。

GAT系列冷却塔基础尺寸表
Cooling Tower Foundation Size Data

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冷却塔 Cooling Tower
风机 fan