

让世界更冷静!



广东飞扬实业集团有限公司

生产基地：中国·广东省东莞市大岭山镇杨屋工业区
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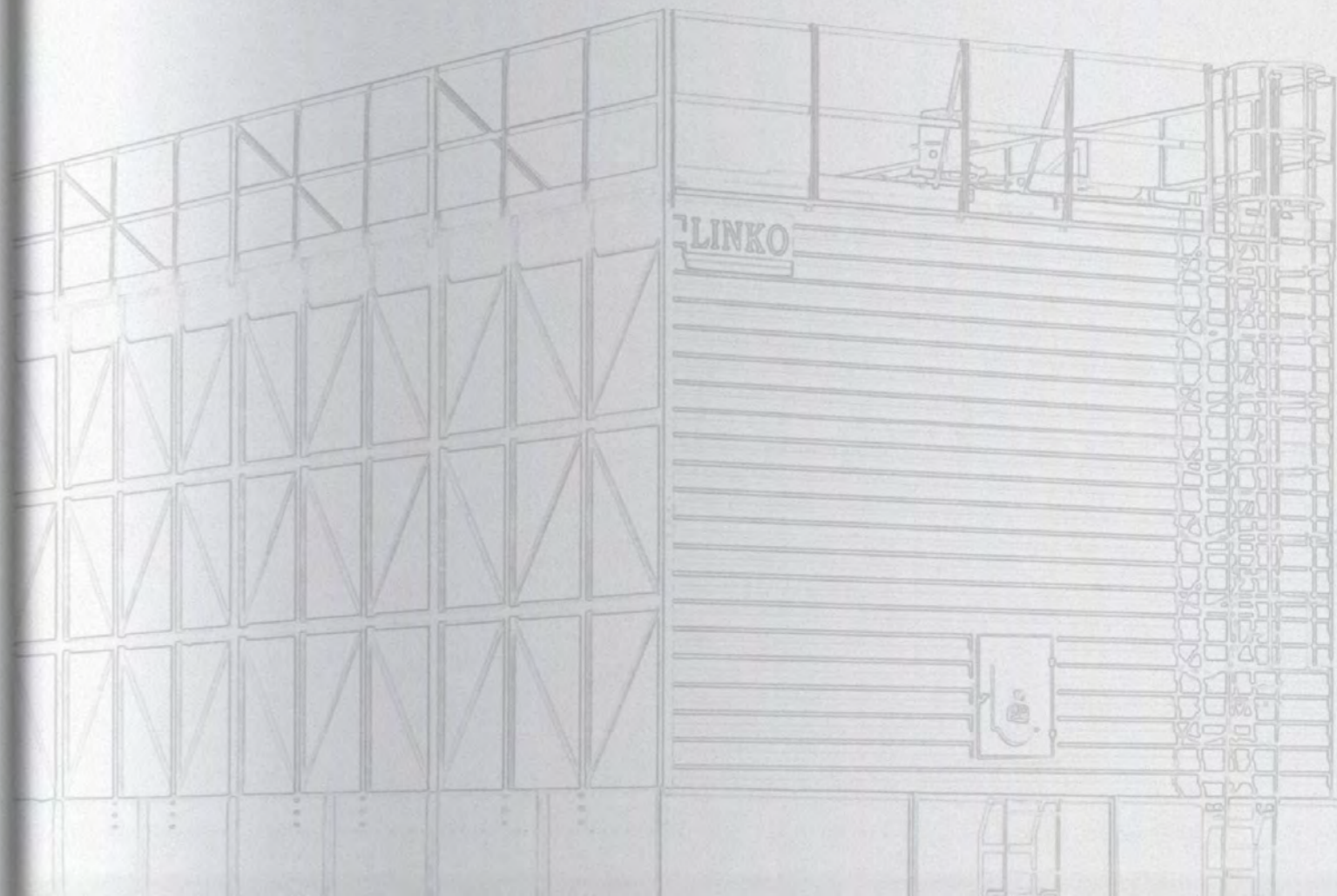
由于市场及产品改进的需要，本手册所列产品的照片、技术参数、说明有可能改变，恕不另行通知，最终解释权归本公司所有！
Due to the needs of the market and product improvement, the photos, technical parameters, and descriptions of the products listed in this manual may be changed without notice. The final interpretation right belongs to our company!



菱科冷却塔 LINKO COOLING TOWER

LK系列高效横流式冷却塔

LK Series High Efficiency Cross
Flow Cooling Tower



菱科冷却塔 YV1.0-2023



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TH

以制造

“更节能、更智慧、更安静”

的产品为技术突破方向

赋予其“让全球认可中国制造”的使命

Technological Breakthrough Direction -- Create "more energy-saving, smarter and quieter" products.

Mission -- "Let the world recognize Made in China"!

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LET THE WORLD RECOGNIZE
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LK系列结构特点

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巴普斯LINKO 4.0
智慧高效节能控制系统

BAPUS LINKO 4.0
Smart and Efficient
Energy-Saving Control System

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LK Series Cooling Tower

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LK系列冷却塔基础尺寸参数
LK系列冷却塔接口尺寸参数
LK系列冷却塔噪音性能参数

LK-L Low Noise Type Performance Parameters
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关于LINKO

About LINKO

“Linko”冷却塔自2003年诞生伊始，创始团队即以“技术创新、质量过硬、服务优质”为经营理念，以制造“更节能、更智慧、更安静”的产品为技术突破方向，赋予其“让全球认可中国制造”的使命。

“Linko”早期主要以海外为目标市场，外贸占据了大部分的营业额，得益于国家“一带一路”的对外政策，公司的业务得到了进一步的飞跃。

Linko企业是一家专注于冷却塔研发、设计、制造于一体的生产型企业，制造基地位于广东省梅州市蕉岭县金城工业区内，厂区建筑面积三万多平方米，员工二百余人，经过二十余年的发展与沉淀，拥有了掌握领先生产工艺的铸造车间、注塑车间、铁件焊接加工车间、钣金车间、填料生产车间、风机加工车间、机加工车间、电机与水泵装配车间、冲压车间等十余个冷却塔核心部件制造车间。生产加工设备齐全，有CNC加工车间中心、全自动激光切割机、折弯机、自动机械手、自动焊等一批先进的自动化生产设备。从配件至整机，从设计至制造，Linko是华南地区冷却塔制造领域自给供应链最全面的制造厂家。

Linko产品系列丰富，涵盖了逆流式冷却塔、横流式冷却塔、密闭式冷却塔、节能水轮机冷却塔、节能水电混合动力冷却塔、节能无风机冷却塔、污水型冷却塔、大型工业冷却塔、超静音冷却塔、高温型冷却塔、侧进侧出风冷却塔等十余个系列上千个型号，能满足用户各种环境工况的需求。



技术创新
Technological Innovations



质量过硬
Excellent Quality



Quality Service



Linko企业以精益求精的精神与把产品做到极致的追求，致力于产品技术的革新与品质的提升，除获得五十三项国家颁发的技术专利证书外，在2013年投资建设了一座符合CTI标准的冷却塔性能测试场，并于2016年邀请美国CTI认证主管托马斯先生莅临LINKO工厂进行对LK系列冷却塔的性能测试与认证工作，LINKO以其优异的热力性能荣获CTI认证证书。随后，LINKO相继通过CCTI认证、CQC节水认证、CQC节能认证、CE认证等行业权威认证。

精工之路，永不止步。2013年LINKO与葆德流体公司进行流体研究方向的技术合作，2016年LINKO投入科研资金与东莞理工学院共建校企“产学研实践基地”致力于将学术成果转化为创新产品的应用为社会创造效益，2018年LINKO与泰国ENERGY REVOLUTION公司签订合作协议，进行水轮机在冷却塔节能应用上的技术深化研究。

Since the birth of "Linko" cooling tower in 2003, the founding team has taken "technological innovation, excellent quality, and excellent service" as its business philosophy, and has taken the manufacturing of "more energy-saving, smarter, and quieter" products as its technological breakthrough direction, with the mission of "Let The World Recognize Made in China".

In the early days, "Linko" mainly targeted overseas markets, and foreign trade accounted for most of its turnover. Thanks to the country's "One Belt, One Road" foreign policy, the company's business has made a further leap forward.

Linko Enterprise is a production-oriented enterprise focusing on the research and development, design and manufacturing of cooling towers. The manufacturing base is located in Jincheng Industrial Zone, Jiaoling County, Meizhou City, Guangdong Province. The factory area has a construction area of more than 30,000 square meters and more than 200 employees. After more than 20 years of development and precipitation, it has a foundry workshop, an injection molding workshop, an iron parts welding processing workshop, a sheet metal workshop, a filler production workshop, a fan processing workshop, a machining workshop, and a motor and water pump assembly workshop that master leading production processes. , stamping workshop and more than ten cooling tower core component manufacturing workshops. The production and processing equipment is complete, including a CNC processing workshop center, fully automatic laser cutting machine, bending machine, automatic manipulator, automatic welding and a number of advanced automated production equipment. From accessories to complete machines, from design to manufacturing, Linko is the manufacturer with the most comprehensive self-sufficient supply chain in the field of cooling tower manufacturing in South China.

Linko has a rich product line, covering counterflow cooling towers, cross-flow cooling towers, closed cooling towers, energy-saving turbine cooling towers, energy-saving hydroelectric hybrid cooling towers, energy-saving fanless cooling towers, sewage cooling towers, and large industrial cooling towers. , ultra-quiet cooling towers, high-temperature cooling towers, side-inlet and side-outlet cooling towers, and more than ten series with thousands of models, which can meet the needs of users in various environmental working conditions.

With the spirit of excellence and the pursuit of the ultimate product, Linko is committed to product technology innovation and quality improvement. In addition to obtaining 53 technology patent certificates issued by the country, in 2013, it invested in the construction of a CTI-standard Cooling tower performance testing site, and in 2016, Mr. Thomas, director of CTI certification in the United States, was invited to the LINKO factory to conduct performance testing and certification of the LK series cooling towers. LINKO won the CTI certification for its excellent thermal performance. Subsequently, LINKO successively passed authoritative industry certifications such as CCTI certification, CQC water-saving certification, CQC energy-saving certification, and CE certification.

The road of job-crafting never stops. In 2013, Feiyang group and Baldor Fluid Company carried out technical cooperation in the direction of fluid research. In 2016, our company invested scientific research funds to build a school-enterprise "Industry-University-Research Practice Base" with Dongguan Institute of Technology, which is committed to transforming academic achievements into the application of innovative products to create benefits for the society. In 2018, we have reached a technical cooperation with ENERGY REVOLUTION company of Thailand to carry out technical in-depth research on the energy-saving application of water turbines in cooling towers.



LINKO成长记

LINKO Growing Up

启航 1996

东莞市飞扬水泵厂，生产水泵产品。

Dongguan Feiyang water pump factory was established, produced water pump products.

成长 2000

成立菱科冷却塔厂，注册资本一百万元，生产自主品牌“菱科”冷却塔。

Linko cooling tower factory was established with a registered capital of one million RMB to produce own brand "Linko" cooling towers.

成长 2003

在梅州购买土地，成立梅州蕉岭分厂，主要研发与生产铸件及冷却塔全系列配件产品，自此掌握了上百个核心零部件先进生产工艺，确保菱科冷却塔各个零部件的配合度与稳定性。

Purchased land in Meizhou and established the Meizhou Jiaoling branch, which mainly develops and produces castings and a full range of cooling tower accessories. Since then, it has mastered the advanced production technology of hundreds of core components to ensure the coordination and stability of each component of the Linko cooling tower.

精进 2004-2006

自主设计的第一款水轮机冷却塔、无风机冷却塔、侧出风型冷却塔相继上市。

The first self-designed hydraulic turbine cooling tower, fanless cooling tower, and side out type cooling tower have been launched one after another.

跨越 2007

东莞工厂迁至大岭山镇杨屋工业区，更名为东莞市飞扬实业有限公司，增资注册资本伍佰伍拾万元。

The Dongguan factory moved to Yangwu Industrial Zone, Dalingshan Town, and was renamed Dongguan Feiyang Industrial Co., Ltd., with an increase in registered capital of 500,000 RMB.

创新 2013

创新设计研发出水电混合动力型节能冷却塔及飞溅式污水型冷却塔，创造社会效益。

Designed and developed hydroelectric hybrid energy-saving cooling towers and splash sewage cooling towers to create social benefits.

沉淀 2008-2012

工厂通过ISO9001国际质量管理体系认证与ISO14001国际环境管理体系认证，冷却塔及配件产品通过国家质量检测，投资规划建设符合CTI标准的测试场。

The factory has passed ISO9001 international quality management system certification and ISO14001 international environmental management system certification. The cooling tower and accessories products have passed national quality inspection. At the same time, the factory invested in the construction of a test site that complies with CTI standards.

突破 2017

新增全自动钣金成型生产线设备，全面推出标准数字模块化组合全钢型冷却塔上市应用，大大缩短了生产周期。

A new fully automatic sheet metal forming production line equipment was added, and a standard digital modular combination all-steel cooling tower was fully launched and applied, which greatly shortened the production cycle.

锐变 2014-2016

升级为广东飞扬实业有限公司，成立广东菱科冷却设备有限公司、东莞市莞一泵业有限公司，并组建成立广东飞扬实业集团有限公司，增资注册资本壹亿捌仟万元人民币，在全国主要省会城市设立办事处机构，实现冷却塔与水泵产品的设计、研发、生产、销售的全覆盖。

Upgraded to Guangdong Feiyang Industrial Co., Ltd., and established Guangdong Linko Cooling Equipment Co., Ltd., Dongguan Guanyi Pump Industry Co., Ltd. Then established Guangdong Feiyang Industrial Group Co., Ltd., with a registered capital increasing the by RMB 180 million. The company has established offices in major provincial capital cities across the country to achieve full coverage of the design, research and development, production and sales of cooling towers and water pump products.

腾飞 2020-2021

全面推出永磁高效节能冷却塔、超静音冷却塔、智慧高效节能控制系统上市应用。

Comprehensively launch permanent magnet high-efficiency energy-saving cooling towers, ultra-quiet cooling towers, and smart high-efficiency energy-saving control systems for market application.

亮剑 2018-2019

与东莞理工学院共建“产学研”实践基地，取得47项国家专利证书；相继通过美国CTI认证、中国CCTI认证、节水认证、节能认证、欧盟CE认证等行业权威认证，并积极参与行业标准制定。

Cooperated with Dongguan Institute of Technology to build an "industry-university-research" practice base and obtained 47 national patent certificates; it has successively passed authoritative industry certifications such as US CTI certification, China CCTI certification, water-saving certification, energy-saving certification, and EU CE certification, and actively participated in industry standards, formulated.

谋势 2023

菱科LK全新系列冷却塔全面获得美国CTI认证、中国CCTI认证、欧盟CE认证、CQC节水认证、CQC节能认证，通过国家质量监督检验、SGS的填料与玻璃钢质量性能检验。

Linko LK new series of cooling towers has fully obtained US CTI certification, China CCTI certification, EU CE certification, CQC water-saving certification, CQC energy-saving certification, and passed national quality supervision and inspection, SGS infill and fiberglass quality performance inspection.

谋势 2022

同心协力，砥砺前行，成人达己。为国家“双碳”目标、建设绿色家园，奉献一份力量！

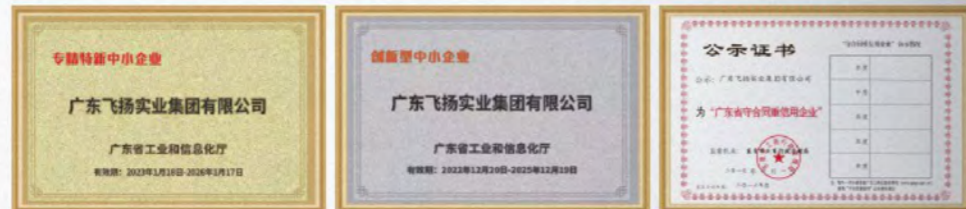
Make concerted efforts, move forward, and reach out to others. We will dedicate ourselves to the national "double carbon" goal and the construction of a green home!

资质认证

Enterprise Qualification

作为CTI会员单位、中通协会会员单位、广东省暖通空调协会理事单位、东莞市制冷学会副理事长单位，Linko积极承担行业义务与责任，诚信经营，并连续多年获得了政府部门颁发的“广东省守合同重信用企业”的荣誉称号。

As a member unit of CTI, a member unit of China Communications Association, a governing unit of Guangdong HVAC Association, and a vice-chairman unit of Dongguan Refrigeration Society, Linko actively assumes industry obligations and responsibilities, operates with integrity, and has been awarded "The honorary title of 'Guangdong Province's Contract-abiding and Credit-worthy Enterprise'".



CTI认证



CCTI认证



CE认证



ISO质量体系认证



ISO环境体系认证



ISO职业健康安全体系认证



CQC节水认证



CQC节能认证



玻璃钢检验报告



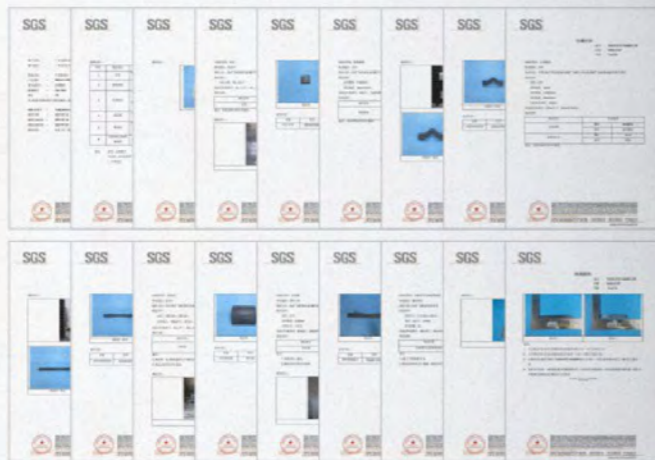
资质认证

Enterprise Qualification

国家玻璃钢制品质量监督检验中心
检验报告



散热填料新能
检验报告



已获50多项 国家技术专利

Obtained over 50 national
technology patents





生产车间

Production Workshop

Linko以精益求精的精神与把产品做到极致的追求，
致力于产品技术的革新与品质的提升。

Linko is committed to product technology innovation and quality
improvement with the spirit of excellence and the pursuit of
product excellence.

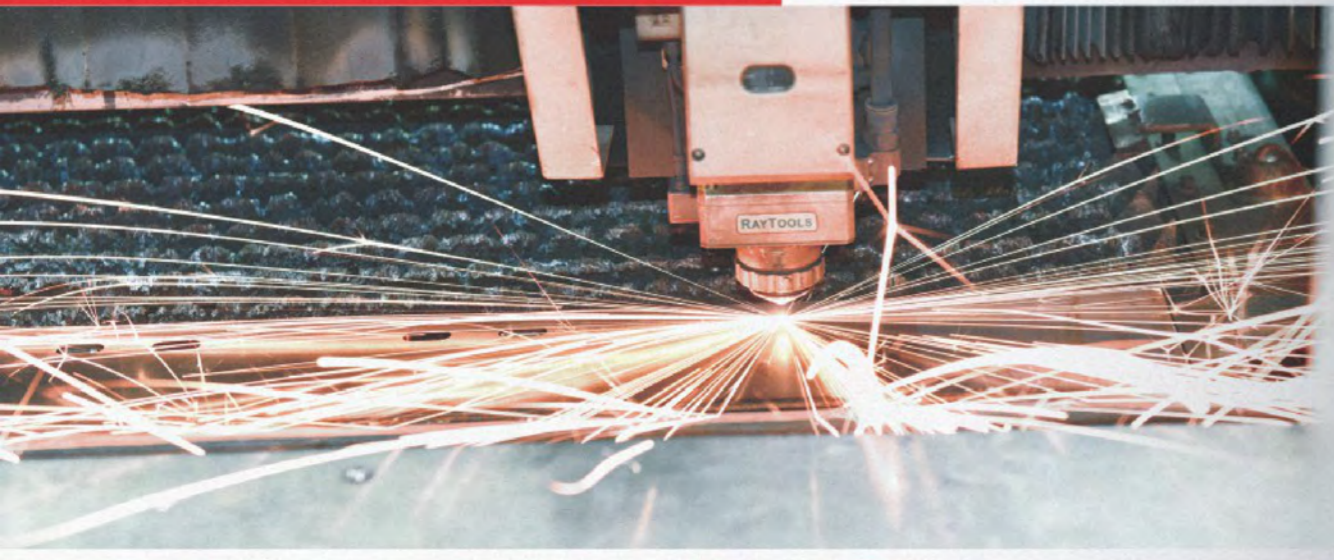


生产车间

Production Workshop

经过二十余年的发展沉淀，拥有了掌握领先生产工艺的铸造车间、注塑车间、铁件焊接加工车间、钣金车间、填料生产车间、风机加工车间、机加工车间、电机与水泵装配车间、冲压车间等十余个冷却塔核心部件制造车间。生产加工设备齐全，有CNC加工车间中心、全自动激光切割机、折弯机、自动机械手、自动焊等一批先进的自动化生产设备。

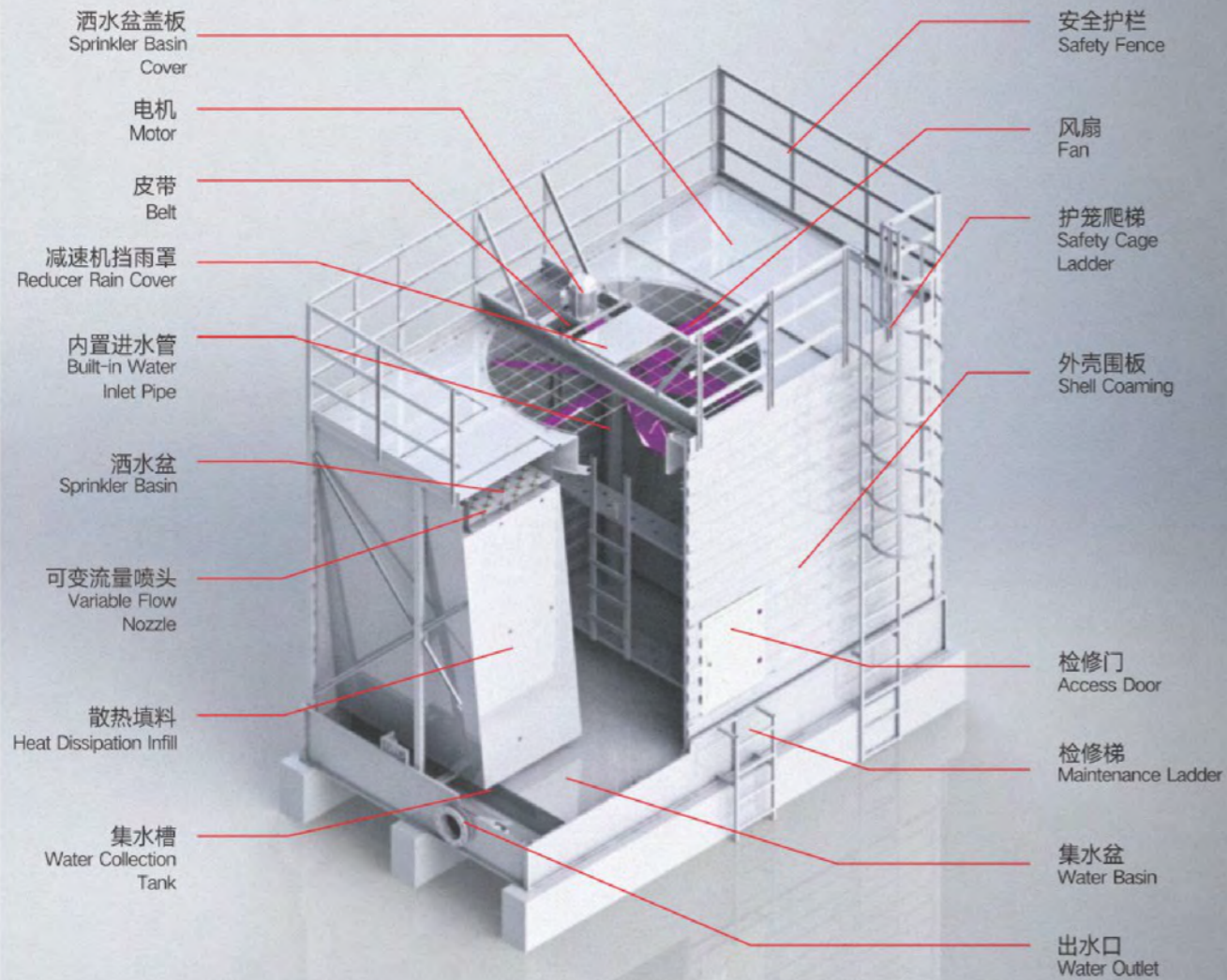
After more than twenty years of development and precipitation, we have more than ten core parts manufacturing workshops for cooling towers, including casting workshop, injection workshop, iron welding and processing workshop, sheet metal workshop, packing production workshop, fan processing workshop, machining workshop, motor and pump assembly workshop, stamping workshop and so on, which have mastered the leading production technology. Production and processing equipment is complete, there are CNC machining center, automatic laser cutting machine, bending machine, automatic robot, automatic welding and a number of advanced automatic production equipment.



LK系列结构特点

LK Series Structural Features

• 结构简图 Structural Sketch



• 型号说明 Model Description

一、规格型号的表示方法

产品系列-规格型号-噪声等级-塔体材料

示例: LK-18321534BL-G

1. Representation Method of Specifications and Models
Product Series - Specifications and Models - Noise Level - Tower Material

Example: LK-18321534BL-G

噪声等级

在基本型号后面添加后缀为-L(表示低噪型)

U(表示超低噪声型)

SU(表示超静音噪型)

Noise Level

Add the suffix "-L" after the basic model (for low noise models)

U (for ultra low noise type)

SU (for ultra quiet noise type)

二、塔体材料

在基本型号后面添加后缀为: -G(全镀锌钢板结构)-S(全不锈钢板结构)-FG(玻璃钢围板、水盘、钣金框架)、-FS(玻璃钢围板、水盘、不锈钢钣金框架)。

2. Tower Material

Add suffixes after the basic model:

- G (fully galvanized steel plate structure)

- S (all stainless steel plate structure)

- FG (fiberglass enclosure, water tray, sheet metal frame)

- FS (fiberglass enclosure, water tray, stainless steel sheet metal frame).

例如:

LK-18321534BL-G

For example:

LK-18321534BL-G

LK-18321534BL-S

LK-18321534BL-S

LK-18321534BL-FG

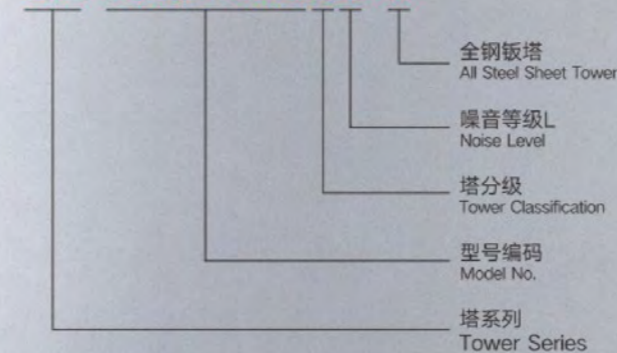
LK-18321534BL-FG

LK-18321534BL-FS

LK-18321534BL-FS

构成示例

LK-18321534BL-G



三、多台组合的表示方式

在型号最后加 "×X" 表示组合数量

×2表示两台组合 (如LK-18321534BL-FG×2)

×3表示三台组合 (如LK-18321534BL-FG×3)

单体省略此标注。

3. Representation of Multiple Cells

Add at the end of the model "×X" represents the number of cells

×2 represents one set in 2 cells (such as LK-18321534BL-FG) × 2)

×3 represents one set in 3 cells (such as LK-18321534BL-FG) × 3)

Omit this annotation for the individual.

01

排风系统 Exhaust System



冷却塔的排风系统主要由电机、减速机、皮带、风筒、风机架组成，是冷却塔水气热交换的重要组成部分，菱科冷却塔的风机传动方式有皮带传动与直联传动两种，菱科研制的永磁电机直驱风机，不仅高效节能，而且免除了减速机、皮带的保养，更是解决了皮带传动在冬季结冰时打滑的缺点，尤其适合北方地区的使用。

The exhaust system of the cooling tower is mainly composed of motors, reducers, belts, air ducts, and fan frames. It is an important part of the water-gas heat exchange of the cooling tower. The fan transmission methods of Linko cooling tower include belt drive and direct drive. There are two types. The permanent magnet motor direct-drive fan developed by Lingke is not only efficient and energy-saving, but also eliminates the need for maintenance of the reducer and belt. It also solves the shortcomings of belt drive slipping when freezing in winter, and is especially suitable for use in northern areas.



• 电机 Motor

LK系列冷却塔标配搭载自主研发的“LINKO”冷却塔专用防水型二级能效电机，具有噪音低、温升低、防水性能好、使用寿命长的特点。

- 1) 采用优质铸铁机壳、冷轧矽钢片、100%全铜线圈；
- 2) 配置进口轴承，噪音低、寿命长；
- 3) 防护等级IP55、绝缘等级F级；

可根据客户需求选配我司自主研发的永磁直驱电机，或ABB、西门子等进口品牌电机。



High Efficiency Permanent Magnet Motor

LINKO® direct-drive permanent magnet synchronous motor has an energy efficiency level of IE5. The permanent magnet synchronous motor has a high power factor, close to 1 at full load, and does not require excitation current to generate a magnetic field. Compared with asynchronous motors, it is more efficient and the current is smaller and can reach the first-level energy efficiency standard.

The rotor of the permanent magnet synchronous motor runs without current, which significantly reduces the temperature rise of the motor. The temperature rise is more than 20K lower under the same full load condition.

The permanent magnet synchronous motor has large starting torque, infinitely precise adjustment of motor speed, large current adjustment space, and strong overload resistance. It is the best choice for variable air volume adjustment.

Because the permanent magnet motor has a wide efficient operating range, with an efficiency greater than 90% in the range of 25% to 120%, it is more suitable for frequency conversion control scenarios such as high-efficiency computer rooms.

Therefore, the use of permanent magnet motors is more reliable and energy-saving.

LK series cooling towers are equipped as standard with the self-developed "LINKO" waterproof second-level energy-efficiency motor specifically designed for cooling towers. It has the characteristics of low noise, low temperature rise, good waterproof performance, and long service life.

- 1) Using high-quality cast iron casing, cold-rolled silicon steel sheets, and 100% all-copper coils;
- 2) Equipped with imported bearings, low noise and long life;
- 3) Protection grade IP55, insulation grade F;

Permanent magnet direct drive motor independently developed by our company, or imported brand motors such as ABB and Siemens can be selected according to customer needs.

高效永磁电机

LINKO®直驱式永磁同步电机，能效等级为IE5，永磁同步电机功率因数高，满载时功率因数接近1，且无需通过励磁电流来产生磁场，相比于异步电机，效率更高、电流更小，能达到一级能效的标准。

永磁同步电机转子运行无电流，显著地降低了电机温升，在相同满载情况下温升低20K以上。

永磁同步电机启动扭矩大、电机转速无极精准调节、电流调节空间大，有很强的抗过载能力，是实现变风量调节的最佳选择。

由于永磁电机高效运行范围宽，在25%~120%范围内效率大于90%，更适用于高效机房等变频控制的场景。

因此，采用永磁电机可靠性更高、更节能。



• 减速机 Reducer

LK系列冷却塔标配LINKO® 皮带传动式减速机，IP55防护等级，内置高精度进口轴承，保险油封，连接轴做防腐镀铬处理，内槽加工平滑，经静平衡校核，运行平稳，防水性能佳，重量轻，安装保养方便。采用进口（耐高温、耐强酸碱）皮带，传动系统负荷轻、功效高、节能降耗，出厂设计挡雨措施，避免长期裸露日晒雨淋。亦可根据客户的需求选配定制齿轮减速机。

LK series cooling tower is equipped with LINKO® belt-driven reducer as standard, IP55 protection level, built-in high-precision imported bearings, insurance oil seals, connecting shaft with anti-corrosion chrome-plated treatment, smooth processing of the inner groove, static balance checking, smooth operation, good waterproof performance, light weight, easy installation and maintenance. Imported (high temperature, acid and alkali resistant) belt, light load transmission system, high efficiency, energy saving, factory designed rain measures to avoid long-term exposure to the sun and rain. Customized gear reducer can also be selected according to customer needs.



• 传动皮带 Drive Belt

LK系列冷却塔标配加拿大·狮王传动皮带，具有耐疲劳、高强度、抗压与附着性能好，能很好地适应高温、高湿严苛的运行环境，确保冷却塔运行安全性。

可根据客户的需求选配定制其它品牌的皮带。

LK series cooling tower comes standard with CNASWR transmission belt, which has fatigue resistance, high strength, pressure resistance and good adhesion properties. It can well adapt to the harsh operating environment of high temperature and high humidity, ensuring the safety of cooling tower operation. Belts from other brands can be customized according to customer needs.



• 风扇 Fan

LK系列冷却塔选用高强度铝合金冷却塔专用机翼型风扇，具有低转速、大风量、噪音低，重量轻的特点。表层具备较高的抗腐蚀，抗氧化能力。可调叶片角度满足不同要求，安装维护简单。

可根据客户的需求选配定制不锈钢、玻璃钢等材质，或特殊的叶片数量以及其它品牌风扇。

LK series cooling tower uses high-strength aluminum alloy cooling tower-specific airfoil fans, which have the characteristics of low speed, large air volume, low noise and light weight. The surface layer has high corrosion resistance and oxidation resistance. The blade angle is adjustable to meet different requirements, and installation and maintenance are simple. We can choose and customize stainless steel, fiberglass and other materials, or special number of blades and other brands of fans according to customer needs.



02

输水/布水系统

Water Delivery/Distribution Systems

• 内置进水管 Built-in Water Inlet

LK系列冷却塔标配内置式进水管，进水接口位于冷却塔底部，上水管由厂家设计配套，在冷却塔组装时直接安装于塔内，客户无需另行在塔顶安装施工，降低了施工难度、节约施工成本，提高管道安装施工的安全性，避免管道在塔顶焊接施工时，高温焊渣掉落至填料中，造成火灾安全事故。



LK series cooling tower comes standard with a built-in water inlet pipe. The water inlet interface is located at the bottom of the cooling tower. The water supply pipe is designed and matched by the manufacturer and is directly installed in the tower during assembly of the cooling tower. Customers do not need to install and construct separately on the top of the tower, which reduces the difficulty of construction. Save construction costs, improve the safety of pipeline installation and construction, and avoid high-temperature welding slag falling into the filler when the pipeline is welded on the top of the tower, causing fire safety accidents.



• 洒水盆 Sprinkler Basin

LK系列冷却塔，采用重力无压洒水盆+花篮喷头布水，进塔水压低，节能、洒水均匀，无动部件，喷头不易堵塞，拆卸便捷、易于清洗。洒水盆标配有全钢盖板，结实牢固、抗踩踏，它能使洒水盆与循环水不被暴露在阳光下，减少藻类与微生物等有害物质的生长，及避免杂物与灰尘在洒水盆里积累。



LK series cooling tower uses gravity-free pressure sprinkler basin + flower basket nozzle to distribute water. The water entering the tower is low, energy-saving, and the water is evenly sprinkled. There are no moving parts. The nozzle is not easy to be blocked. It is easy to disassemble and clean. The sprinkler basin comes standard with an all-steel cover, which is strong and anti-trampling. It prevents the sprinkler basin and circulating water from being exposed to sunlight, reduces the growth of harmful substances such as algae and microorganisms, and prevents debris and dust from getting into the sprinkler basin accumulation.





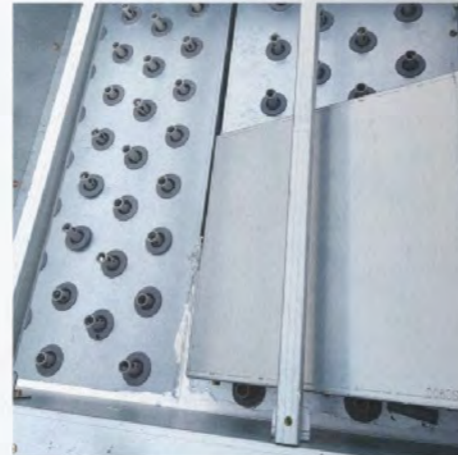
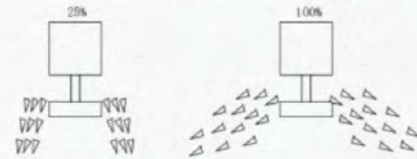
热交换系统

Heat Exchange System

• 可变量喷头 Variable Flow Nozzles

LK系列冷却塔所采用可变量喷头，可使流量在25%-120%的范围变化时均匀布水至填料，特别适用于高效机房等变流量控制的情景使用要求。

The variable flow nozzle used in LK series cooling tower can evenly distribute water to the filler when the flow rate changes in the range of 25%-120%. It is especially suitable for use in scenarios with variable flow control such as high-efficiency computer rooms.



• 便捷式侧出水接口 Convenient Side Outlet

接口采用集水盆底部进水、侧出水的设计，客户管道安装便捷。进/出水接口为双面法兰，客户对接管道更加便捷、密封性能更好。

The interface adopts the design of water inlet from the bottom of the water collecting basin and water outlet from the side, making it easy for customers to install pipelines. The water inlet/outlet interface is a double-sided flange, which makes it easier for customers to connect the pipes and has better sealing performance.



• 防旋流过滤装置 Anti-Cyclonic Filters

在出水口内侧的集水槽处，设计安装有过滤与旋流防止一体装置。能够有效防止水泵吸水漩涡的产生，避免水泵吸空，同时具备过滤器的功能，防止杂物进入管道。

An integrated filtration and swirl prevention device is designed and installed at the water collection tank inside the water outlet. It can effectively prevent the generation of water vortex in the water pump and prevent the water pump from emptying. At the same time, it has the function of a filter to prevent debris from entering the pipeline.



• 散热填料 Heat Dissipation Infill

散热填料是冷却塔的重要核心部件，水气热交换大部分是在填料内完成的，填料设计的优劣极大地影响到冷却塔的能耗以及热力性能指标。

菱科LK系列冷却塔采用自主研发的高效波浪式冷却塔填料，选用抗紫外线与酸碱腐蚀性能力强的聚氯乙烯（PVC）材料真空吸塑而成，耐高温性好。

采用16mm的填料片距设计，比表面积大，意味着在同等的填料体积下，具有更大的换热总面积，能够大幅度地提高冷却塔的换热效率及填料的厚度；5°的斜倾角设计，避免水膜在下落时受到风力的作用向内收缩，导致下方填料出现无水区而降低填料的使用率。

悬挂式安装无需胶水粘贴，便于拆卸与维修，蜂窝状的入风口设计最大程度地降低了空气阻力，自带收水结构降低冷却塔的漂水率。

冷却塔LK系列冷却塔散热填料，高度在4000内时，采用整张不分层的设计，避免了多层式设计经常现象的上下层错位、溅水等问题，使冷却塔的整体更美观。

Heat dissipation infill is an important core component of the cooling tower. Most of the water-gas heat exchange is completed within the packing. The quality of the packing design greatly affects the energy consumption and thermal performance indicators of the cooling tower.

Lingke LK series cooling towers use self-developed high-efficiency wave-type cooling tower fillers, which are made of polyethylene (PVC) material with strong resistance to ultraviolet rays and acid and alkali corrosion, and are vacuum-molded and have good temperature resistance.

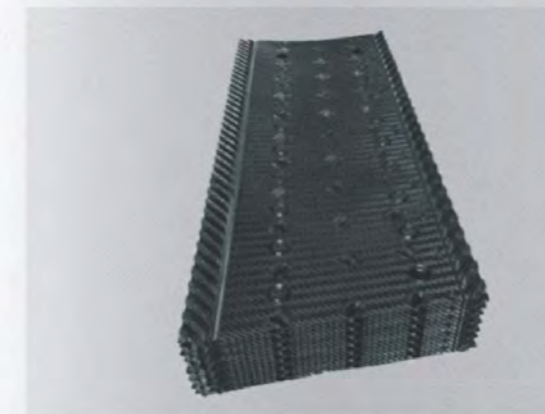
The 16mm filler pitch design has a large specific surface area, which means that under the same filler volume, it has a larger total heat exchange area, which can greatly improve the heat exchange efficiency of the cooling tower and the thickness of the filler; the 5° inclination The inclination design prevents the water film from shrinking inward due to wind force when it falls, causing a water-free zone in the fill below and reducing the utilization rate of the fill.

Suspended installation requires no glue, making it easy to disassemble and maintain. The honeycomb-shaped air inlet design minimizes air resistance, and the built-in water collecting structure reduces the floating rate of the cooling tower.

Cooling tower LK series cooling tower heat dissipation filler adopts a complete non-layered design when the height is within 4000, which avoids problems such as misalignment of the upper and lower layers and water splashing that are common in multi-layer designs, making the overall cooling tower more beautiful.

氧指数 32.0%

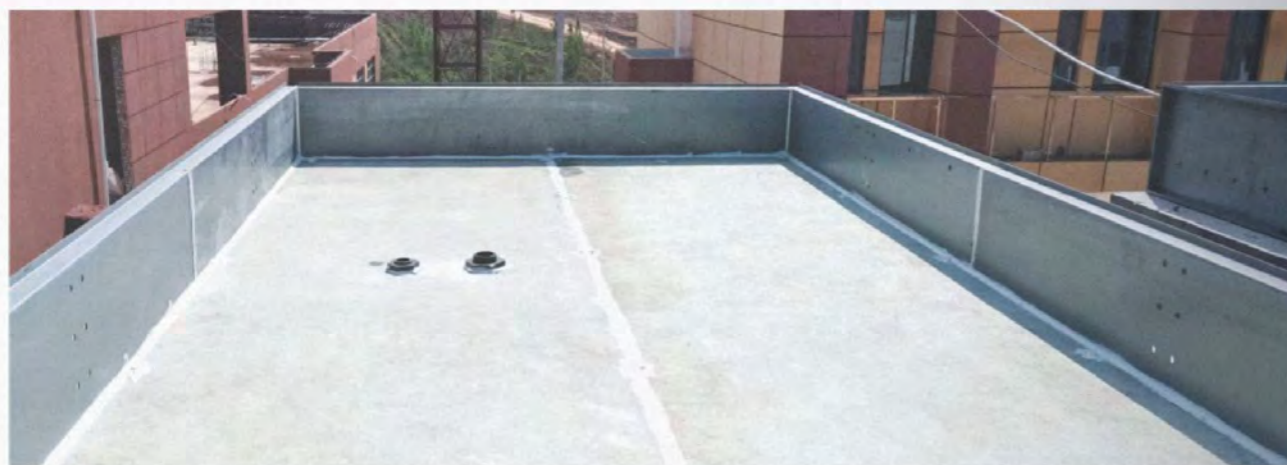
极低漂水率 0.00016%



04

主框架系统

Main Frame System



• 集水盆 Water Basin

集水盆是冷却塔的收水结构，设置有水槽、接口、溢流装置、补水装置、排污装置等。

Lk系列冷却塔的集水盆的四周围板以及集水槽采用镀镁铝锌钢板材质，底部底板采用玻璃钢材质平板。玻璃钢有超强的抗腐蚀能力，不惧怕各种清洗药剂的腐蚀，并且在发生漏水故障时，能够采用树脂纤维轻松修补，维护成本极低，适合长期浸泡的集水环境。

在集水盆的侧边设计有深沟型集水槽，用于加高液位，有效地防止漩涡形成造成水泵吸空。水槽的底部设置有排污口，在清洗保养时，便于排污，防止积水。

The water basin is the water collecting structure of the cooling tower and is equipped with sinks, interfaces, overflow devices, water replenishment devices, sewage discharge devices, etc.

The surrounding panels of the water collection basin of the Lk series cooling tower and the water collection tank are made of magnesium-aluminum-zinc-coated steel plates, and the bottom plate is made of flat glass fiber reinforced plastics. FRP has strong corrosion resistance and is not afraid of corrosion by various cleaning agents. When a water leakage occurs, it can be easily repaired with resin fiber. The maintenance cost is extremely low, and it is suitable for long-term immersion in water collection environments.

A deep groove type water collecting tank is designed on the side of the water collection basin to increase the liquid level and effectively prevent the formation of vortices and cause the water pump to be sucked out. There is a sewage outlet at the bottom of the sink, which facilitates sewage discharge and prevents water accumulation during cleaning and maintenance.



• 骨架结构 Skeleton Structure

塔体骨架结构、塔顶封板选用厚度为2.0mm的优质镀镁铝锌钢板，经激光切割、折弯加工成型等钣金工艺制作生产，表层防腐处理，将氧化程度降至最低，抗腐蚀性能好，坚固耐用。

The tower skeleton structure and tower top sealing plate are made of high-quality magnesium-aluminum-zinc steel plates with a thickness of 2.0mm. They are produced by laser cutting, bending and forming and other sheet metal processes. The surface anti-corrosion is Z700 standard heavy galvanizing treatment to prevent oxidation. The degree is reduced to a minimum, the corrosion resistance is good, and it is strong and durable.

• 外壳围板 Shell Coaming

塔身外壳围板、风室隔板为机制玻璃钢（全钢型则采用镀镁铝锌钢板材质）。色泽均匀、内外层表面光滑美观、板材紧致隔热与隔噪性能好、阻燃性能达B1级难燃的消防标准、重量轻便于运输与安装，并具有优越的抗拉强度及防腐性能，能抵抗天然因素、紫外线和化学物质侵蚀，历久如新，使用寿命长。

The tower body shell coamings and air chamber partitions are made of machine-made glass fiber reinforced plastic plates (the all-steel version is made of magnesium-aluminum-zinc-plated steel plates). The color is uniform, the inner and outer surfaces are smooth and beautiful, the board is compact and has good heat insulation and noise insulation properties, and the flame retardant performance reaches the B1 flame retardant fire standard. It is light in weight and easy to transport and install, and has excellent tensile strength and anti-corrosion properties. It can resist the erosion of natural factors, ultraviolet rays and chemical substances, and will last as long as new and has a long service life.



• 塔顶安装护栏

Installing Guardrails On The Top Of The Tower

塔顶设置安全护栏，提高维保人员的作业安全程度。

A safety guardrail is installed on the top of the tower to improve the safety of maintenance personnel.



• 护笼式爬梯 Cage Ladder

上塔顶及检修门处设置有爬梯，塔顶爬梯设置有安全护笼。

Climbing ladders are provided at the top of the upper tower and at the access door, and a safety cage is provided at the top of the tower climbing ladder.



• 内检修通道 Internal Access

在冷却塔的两侧侧板上设置有检修门孔，并在集水盆上方设置有开防滑孔的检修通道，在风机下方设置有风机检修通道，并安装有内检修梯，十分便于维保人员的安全作业。

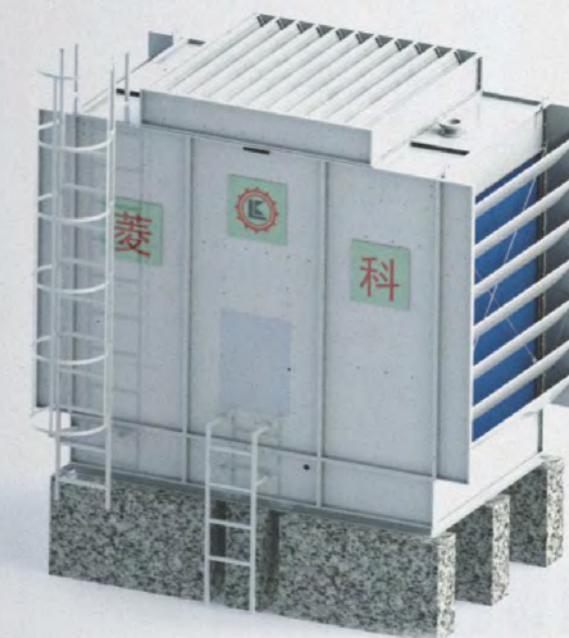
There are access door holes on the side panels on both sides of the cooling tower, and an access channel with anti-slip holes above the water collection basin. There is a fan access channel below the fan, and an internal inspection ladder is installed, which is very convenient for maintenance. Ensure the safe operation of personnel.



降噪措施 Noise Reduction Measures

在住宅区或者对噪音有特别要求的安装环境，可以根据客户的降噪需求加装降噪措施定制超静音型冷却塔，加装降噪装置后，搭配我司研发的智慧控制系统，可将冷却塔的运行噪音降低至 $\leq 55\text{dB}$ ，最大程度地减少对周边环境的影响。

In residential areas or installation environments with special requirements for noise, noise reduction measures can be installed to customize ultra-quiet cooling towers according to the customer's noise reduction needs. After the noise reduction device is installed, combined with the intelligent control system developed by our company, the cooling tower's operating noise is reduced to $\leq 55\text{dB}$, minimizing the impact on the surrounding environment.



其它配置 Other Configurations

可根据客户的需求配置电加热装置、弹簧减震装置、防振动保护装置、低水位报警装置。

Electric heating devices, spring shock absorbers, anti-vibration protection devices, and low water level alarm devices can be configured according to customer needs.



循环水泵
Circulating Water Pump



加热装置
Heating Equipment



防振动保护装置
Anti-Vibration Protection



低水位报警装置
Low Water Level Alarm Device



减震装置
Shock Absorbing Device



巴普斯LINKO 4.0 智慧高效节能控制系统

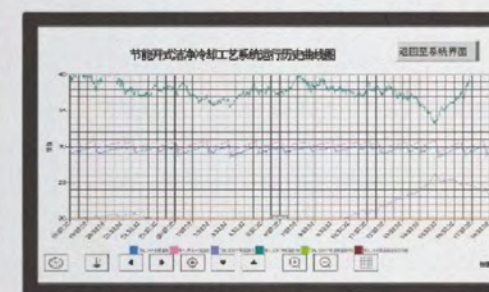
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巴普斯LINKO

巴普斯LINKO4.0智慧高效节能控制系统，是我公司经过多年的水系统设计及项目实践积累的经验，针对性地为高效机房而研发的控制系统。它集成了设备的控制、保护、节能、监控、联网等多种功能。可根据客户的需要接入互联网或客户的上位群控系统，实现机房的远程集中监视与控制。本系统安装方便、运行稳定、高效节能，开发的各类数据统计报表与运行状态曲线可存储一年，可便于客户随时下载进行数据分析。开发的手机远程监控系统很大程度地为客户的设备管理提供了便捷。

本系统的智慧型系列配备了西门子PLC、大尺寸触摸屏、施耐德电气元件、ABB变频器及各类高精度传感器，预留485通讯接口，提供Modbus通讯协议，HMI（人机界面）实时动态显示，界面直观、操作便捷。

我司为系统开发了多种自动控制模式程式，只需设定好所需目标值，即可一键全自动高效运行，PLC通过不断地收集运行数据及环境气象参数根据程式作出高效模糊运算判断最佳的控制方式，实现实现系统最佳的运行状态，工程师在系统程序内嵌入了自学习程序模块，可使其通过长期的运行收集大量的数据及不停地自动尝试各种控制方式以优化得出在不同参数下的最佳运行模式。本系统还可以根据客户的需求定制更多的功能。



BAPUS LINKO 4.0 Smart And Efficient Energy-Saving Control System

Bapus LINKO4.0 smart and high-efficiency energy-saving control system is a control system developed specifically for efficient computer rooms by our company after years of experience accumulated in water system design and project practice. It integrates various functions such as device control, protection, energy saving, monitoring, and networking. It can be connected to the Internet or the customer's upper-level group control system according to the customer's needs to realize remote centralized monitoring and control of the computer room. This system is easy to install, stable in operation, efficient and energy-saving. The various data statistical reports and operating status curves developed can be stored for one year, making it easy for customers to download at any time for data analysis. The developed mobile phone remote monitoring system greatly facilitates customers' equipment management.

The smart series of this system is equipped with Siemens PLC, large-size touch screen, Schneider electrical

components, ABB inverter and various high-precision sensors. It has reserved 485 communication interface, provides Modbus communication protocol, and HMI (human machine interface) real-time dynamic display. The interface is intuitive and easy to operate.

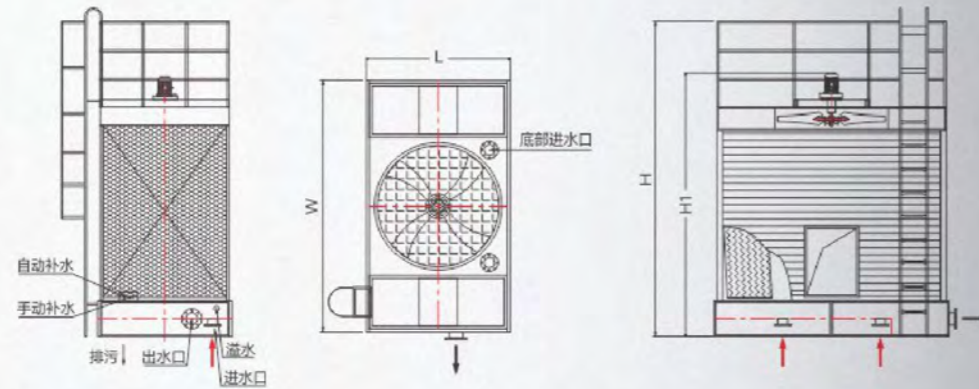
Our company has developed a variety of automatic control mode programs for the system. Just set the required target value, and it can operate fully automatically and efficiently with one click. The PLC continuously collects operating data and environmental meteorological parameters to make efficient fuzzy calculation judgments based on the program. The best control method to achieve the best operating status of the system. Engineers have embedded a self-learning program module in the system program, which allows it to collect a large amount of data through long-term operation and continuously and automatically try various control methods to optimize. The optimal operating mode under different parameters is obtained. This system can also customize more functions according to customer needs.

LK-L低噪音(单风机)型横流式冷却塔性能参数表

LK-L Low Noise (Single Fan) Type Cross-Flow Cooling Tower



*进风面为长 L;
侧板面为宽 W。
Air inlet surface is length L;
Side panel surface is width W.



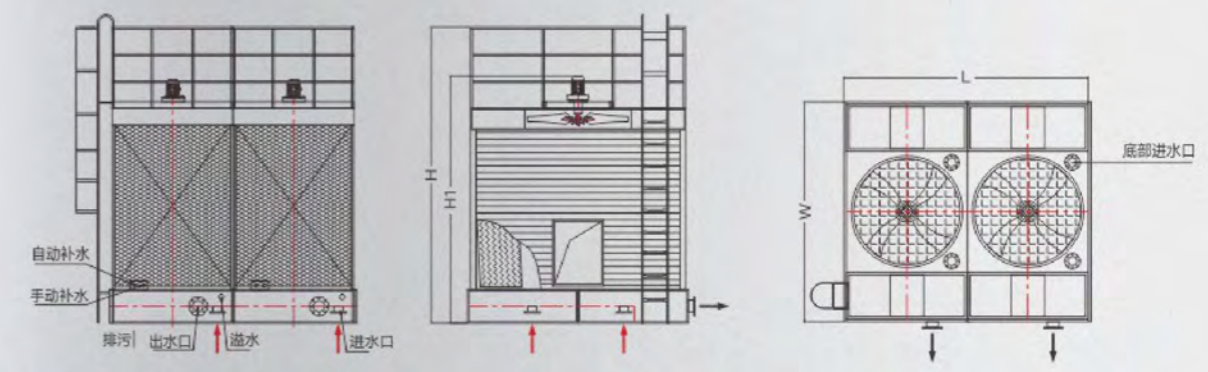
• 单风机型参数 Single Fan Model Parameters

水塔型号 Model	流量 Flow		外形尺寸 Overall dimensions(mm)				电机 Electrical machinery 功率×台数 KW×Sets	风机直径 Diameter(mm)	重量 (吨) Weight (t)	
	m3/h	l/s	长 L	宽 W	高 H	脚高 H1			自重 Dry	运行重 Wet
LK-18321534BL-FG	100	27.8	1880	3280	4400	250	4 kw×1	1500	0.98	2.25
LK-21351840BL-FG	125	34.7	2180	3580	4400	250	4 kw×1	1800	1.22	2.81
LK-24382146BL-FG	150	41.7	2480	3880	4400	250	5.5 kw×1	2120	1.47	3.38
LK-24382152BL-FG	175	48.6	2480	3880	5000	250	5.5 kw×1	2120	1.64	3.77
LK-28412446BL-FG	200	55.6	2880	4180	4400	250	7.5 kw×1	2400	1.88	4.32
LK-28412452BL-FG	225	62.5	2880	4180	5000	250	7.5 kw×1	2400	2.11	4.85
LK-28502440BL-FG	250	69.4	2880	5280	5000	450	7.5 kw×1	2400	2.35	5.4
LK-32562840BL-FG	300	83.3	3280	5680	5000	450	11 kw×1	2850	2.82	6.49
LK-32562846BL-FG	350	97.2	3280	5680	5600	450	11 kw×1	2850	3.22	7.41
LK-36593150BL-FG	400	111.1	3680	5980	5000	450	15 kw×1	3100	3.68	8.46
LK-36593154BL-FG	450	125.0	3680	5980	5600	450	15 kw×1	3100	4.14	9.52
LK-36593162BL-FG	500	138.9	3680	5980	6250	450	18.5 kw×1	3100	4.61	10.6
LK-40623350BL-FG	600	166.7	4080	6480	6250	450	18.5 kw×1	3350	5.47	12.58
LK-40653756BL-FG	700	194.4	4080	6780	7050	450	22 kw×1	3700	6.38	14.67
LK-45724058BL-FG	800	222.2	4580	7380	6550	650	30 kw×1	4050	7.29	16.77
LK-45724064BL-FG	900	250.0	4580	7380	7350	650	30 kw×1	4050	8.21	18.88
LK-52784558BL-FG	1000	277.8	5280	7980	6550	650	30 kw×1	4550	9.12	20.98

注: LK系列有更多的组合方案未列举, 选型手册未能尽举的, 可联系我司技术部获取相关资料。
Note: LK series has more combination solutions that are not listed, and if the selection manual cannot exhaust them, please contact our technical department to obtain relevant technical information.

LK-L低噪音(双风机)型横流式冷却塔性能参数表

LK-L Low Noise (Dubble Fans) Type Cross-flow cooling tower



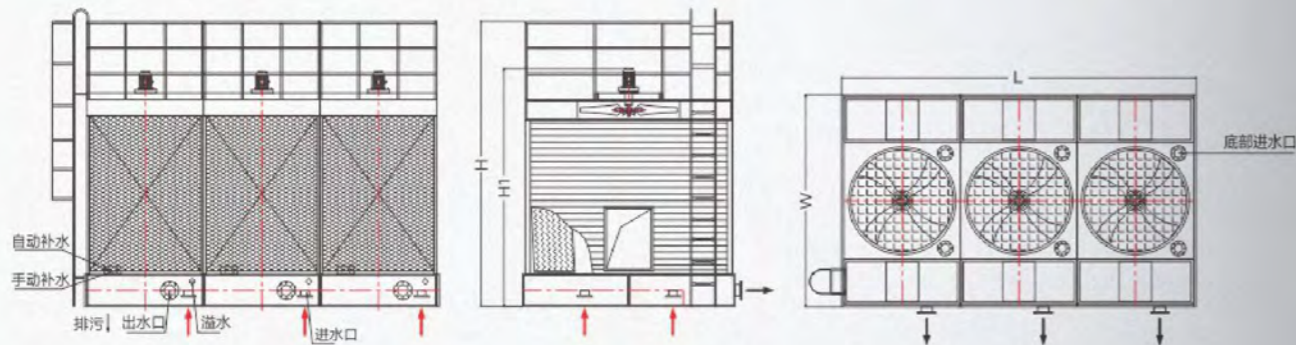
• 双风机型参数 Parameters of Double Fans

水塔型号 Model	流量 Flow		外形尺寸 Overall dimensions(mm)				电机 Electrical machinery 功率×台数 KW×Sets	风机直径 Diameter(mm)	重量 (吨) Weight (t)	
	m3/h	l/s	长 L	宽 W	高 H	脚高 H1			自重 Dry	运行重 Wet
LK-18321534BL-FGx2	200	55.6	3680	3280	4400	250	4 kw×2	1500	1.96	4.5
LK-21351840BL-FGx2	250	69.4	4280	3580	4400	250	4 kw×2	1800	2.44	5.62
LK-24382146BL-FGx2	300	83.3	4880	3880	4400	250	5.5 kw×2	2120	2.94	6.76
LK-24382152BL-FGx2	350	97.2	4880	3880	5000	250	5.5 kw×2	2120	3.28	7.54
LK-28412446BL-FGx2	400	111.1	5680	4180	4400	250	7.5 kw×2	2400	3.76	8.64
LK-28412452BL-FGx2	450	125.0	5680	4180	5000	250	7.5 kw×2	2400	4.22	9.7
LK-28502440BL-FGx2	500	138.9	5680	5280	5000	450	7.5 kw×2	2400	4.7	10.8
LK-32562840BL-FGx2	600	166.7	6480	5680	5000	450	11 kw×2	2850	5.64	12.98
LK-32562846BL-FGx2	700	194.4	6480	5680	5600	450	11 kw×2	2850	6.44	14.82
LK-36593150BL-FGx2	800	222.2	7280	5980	5000	450	15 kw×2	3100	7.36	16.92
LK-36593154BL-FGx2	900	250.0	7280	5980	5600	450	15 kw×2	3100	8.28	19.04
LK-36593162BL-FGx2	1000	277.8	7280	5980	6250	450	18.5 kw×2	3100	9.22	21.2
LK-40623350BL-FGx2	1200	333.3	8080	6480	6250	450	18.5 kw×2	3350	10.94	25.16
LK-40653756BL-FGx2	1400	388.9	8080	6780	7050	450	22 kw×2	3700	12.76	29.34
LK-45724058BL-FGx2	1600	444.4	9080	7380	6550	650	30 kw×2	4050	14.58	33.54
LK-45724064BL-FGx2	1800	500.0	9080	7380	7350	650	30 kw×2	4050	16.42	37.76
LK-52784558BL-FGx2	2000	555.6	10480	7980	6550	650	30 kw×2	4550	18.24	41.96

注: 同型号的水塔可以进行多台组合, 组合后的型号以“单体型号×组合数量”表示(如LK-18321534BL-FG×2)。
Note: Water towers of the same model can be combined into multiple units. The combined model is represented by "single model × combined quantity" (For example LK-18321534BL-FG×2).

LK-L低噪音(三风机)型横流式冷却塔性能参数表

LK-L Low Noise (Three Fans) Type Cross-Flow Cooling Tower Parameters



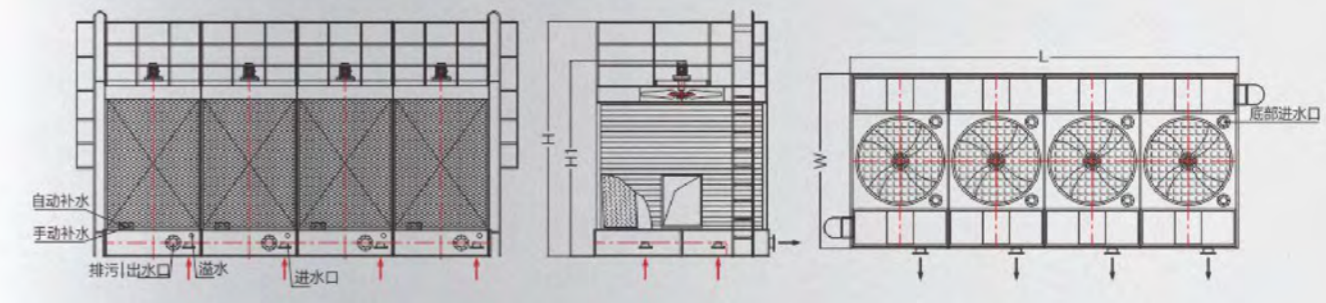
• 三风机型参数 Three Fans Model Parameters

水塔型号 Model	流量 Flow		外形尺寸 Overall dimensions(mm)				电机 Electrical machinery 功率×台数 KW×Sets	风机直径 Diameter(mm)	重量 (吨) Weight (t)	
	m3/h	l/s	长 L	宽 W	高 H	脚高 H			自重 Dry	运行重 Wet
LK-18321534BL-FGx3	300	83.3	5480	3280	4400	250	4 kw×3	1500	2.94	6.75
LK-21351840BL-FGx3	375	104.2	6380	6380	6380	250	4 kw×3	1800	3.66	8.43
LK-24382146BL-FGx3	450	125.0	7280	3880	4400	250	5.5 kw×3	2120	4.41	10.14
LK-24382152BL-FGx3	525	145.8	7280	3880	5000	250	5.5 kw×3	2120	4.92	11.31
LK-28412446BL-FGx3	600	166.7	8480	4180	4400	250	7.5 kw×3	2400	5.64	12.96
LK-28412452BL-FGx3	675	187.5	8480	4180	5000	250	7.5 kw×3	2400	6.33	14.55
LK-28502440BL-FGx3	750	208.3	8480	5280	5000	450	7.5 kw×3	2400	7.05	16.2
LK-32562840BL-FGx3	900	250.0	9680	5680	5000	450	11 kw×3	2850	8.46	19.47
LK-32562846BL-FGx3	1050	291.7	9680	5680	5600	450	11 kw×3	2850	9.66	22.23
LK-36593150BL-FGx3	1200	333.3	10880	5980	5000	450	15 kw×3	3100	11.04	25.38
LK-36593154BL-FGx3	1350	375.0	10880	5980	5600	450	15 kw×3	3100	12.42	28.56
LK-36593162BL-FGx3	1500	416.7	10880	5980	6250	450	18.5 kw×3	3100	13.83	31.8
LK-40623350BL-FGx3	1800	500.0	12080	6480	6250	450	18.5 kw×3	3350	16.41	37.4
LK-40653756BL-FGx3	2100	583.3	12080	6780	7050	450	22 kw×3	3700	19.14	44.01
LK-45724058BL-FGx3	2400	666.7	13580	7380	6550	650	30 kw×3	4050	21.87	50.31
LK-45724064BL-FGx3	2700	750.0	13580	7380	7350	650	30 kw×3	4050	24.63	56.64
LK-52784558BL-FGx3	3000	833.3	15680	7980	6550	650	30 kw×3	4550	27.36	62.94

注：同型号的水塔可以进行多台组合，组合后的型号以“单体型号×组合数量”表示（如LK-18321534BL-FG×3）。
Note: Water towers of the same model can be combined into multiple units. The combined model is represented by "single model × combined quantity" (For example LK-18321534BL-FG×3).

LK-L低噪音(四风机)型横流式冷却塔性能参数表

LK-L Low Noise (Four Fans) Type Cross-Flow Cooling Tower Parameters



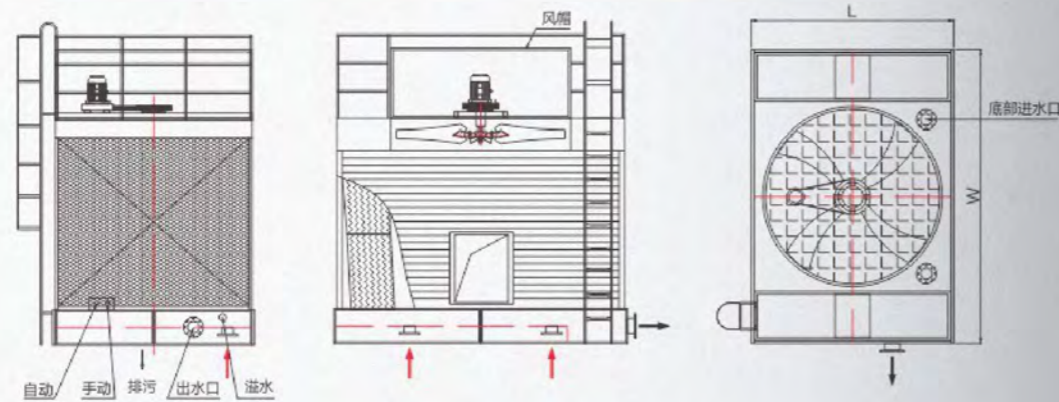
• 四风机型参数 Four Fans Model Parameters

水塔型号 Model	流量 Flow		外形尺寸 Overall dimensions(mm)				电机 Electrical machinery 功率×台数 KW×Sets	风机直径 Diameter(mm)	重量 (吨) Weight (t)	
	m3/h	l/s	长 L	宽 W	高 H	脚高 H			自重 Dry	运行重 Wet
LK-18321534BL-FGx4	400	111.1	7280	3280	4400	250	4 kw×4	1500	3.92	9
LK-21351840BL-FGx4	500	138.9	8480	3580	4400	250	4 kw×4	1800	4.88	11.24
LK-24382146BL-FGx4	600	166.7	9680	3880	4400	250	5.5 kw×4	2120	5.88	13.52
LK-24382152BL-FGx4	700	194.4	9680	3880	5000	250	5.5 kw×4	2120	6.56	15.08
LK-28412446BL-FGx4	800	222.2	11280	4180	4400	250	7.5 kw×4	2400	7.52	17.28
LK-28412452BL-FGx4	900	250.0	11280	4180	5000	250	7.5 kw×4	2400	8.44	19.4
LK-28502440BL-FGx4	1000	277.8	11280	5280	5000	450	7.5 kw×4	2400	9.4	21.6
LK-32562840BL-FGx4	1200	333.3	12880	5680	5000	450	11 kw×4	2850	11.28	25.96
LK-32562846BL-FGx4	1400	388.9	12880	5680	5600	450	11 kw×4	2850	12.88	29.64
LK-36593150BL-FGx4	1600	444.4	14480	5980	5000	450	15 kw×4	3100	14.72	33.84
LK-36593154BL-FGx4	1800	500.0	14480	5980	5600	450	15 kw×4	3100	16.56	38.08
LK-36593162BL-FGx4	2000	555.6	14480	5980	6250	450	18.5 kw×4	3100	18.44	42.4
LK-40623350BL-FGx4	2400	666.7	16080	6480	6250	450	18.5 kw×4	3350	21.88	50.32
LK-40653756BL-FGx4	2800	777.8	16080	6780	7050	450	22 kw×4	3700	25.52	58.68
LK-45724058BL-FGx4	3200	888.9	18080	7380	6550	650	30 kw×4	4050	29.16	67.08
LK-45724064BL-FGx4	3600	1000.0	18080	7380	7350	650	30 kw×4	4050	32.84	75.52
LK-52784558BL-FGx4	4000	1111.1	20880	7980	6550	650	30 kw×4	4550	36.48	83.92

注：同型号的水塔可以进行多台组合，组合后的型号以“单体型号×组合数量”表示（如LK-18321534BL-FG×4）。
Note: Water towers of the same model can be combined into multiple units. The combined model is represented by "single model × combined quantity" (For example LK-18321534BL-FG×4).

LK-U超低噪音(单风机)型横流式冷却塔性能参数表

LK-U Ultra Low Noise (Single Fan) Type Cross-Flow Cooling Tower Parameters



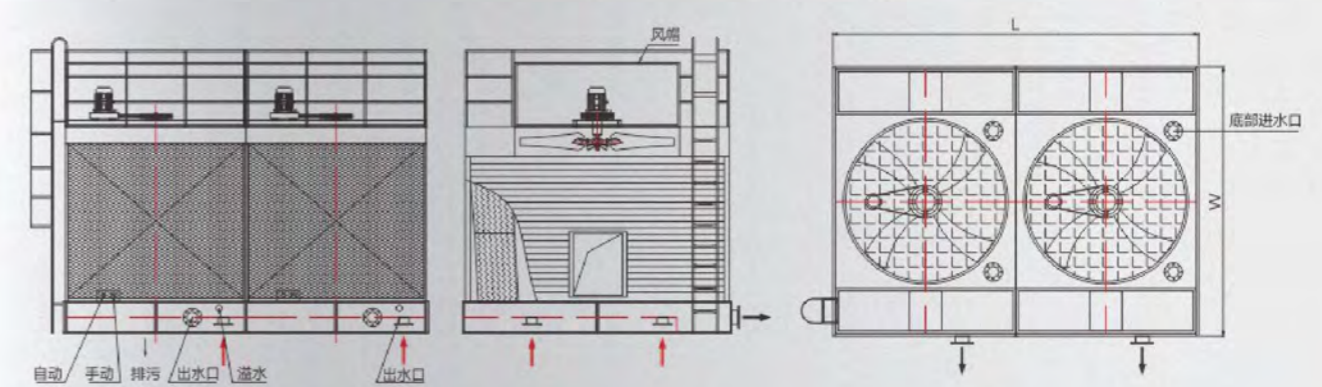
• 单风机型参数 Single Fan Model Parameters

水塔型号 Model	流量 Flow		外形尺寸 Overall dimensions(mm)				电机 Electrical machinery 功率×台数 KW×Sets	风机直径 Diameter(mm)	重量 (吨) Weight (t)	
	m3/h	l/s	长 L	宽 W	高 H	风筒 H2			自重 Dry	运行重 Wet
LK-18321534BU-FG	100	27.8	1890	3280	4400	800	4 kw×1	1500	1.04	2.31
LK-21351840BU-FG	125	34.7	2180	3580	4400	800	4 kw×1	1800	1.29	2.88
LK-24382146BU-FG	150	41.7	2480	3880	4400	800	5.5 kw×1	2120	1.56	3.47
LK-24382152BU-FG	175	48.6	2480	3880	5000	800	5.5 kw×1	2120	1.74	3.87
LK-28412446BU-FG	200	55.6	2880	4180	4400	800	7.5 kw×1	2400	2	4.44
LK-28412452BU-FG	225	62.5	2880	4180	5000	1000	7.5 kw×1	2400	2.23	4.97
LK-28502440BU-FG	250	69.4	2880	5280	5000	1000	7.5 kw×1	2400	2.49	5.54
LK-32562840BU-FG	300	83.3	3280	5680	5000	1000	11 kw×1	2850	2.99	6.66
LK-32562846BU-FG	350	97.2	3280	5680	5600	1000	11 kw×1	2850	3.41	7.6
LK-36593150BU-FG	400	111.1	3680	5980	5000	1000	15 kw×1	3100	3.9	8.68
LK-36593154BU-FG	450	125.0	3680	5980	5600	1000	15 kw×1	3100	4.39	9.77
LK-36593162BU-FG	500	138.9	3680	5980	6250	1000	18.5 kw×1	3100	4.89	10.88
LK-40623350BU-FG	600	166.7	4080	6480	6250	1000	18.5 kw×1	3350	5.8	12.91
LK-40653756BU-FG	700	194.4	4080	6780	7050	1000	22 kw×1	3700	6.76	15.05
LK-45724058BU-FG	800	222.2	4580	7380	6550	1000	30 kw×1	4050	7.73	17.21
LK-45724064BU-FG	900	250.0	4580	7380	7350	1000	30 kw×1	4050	8.7	19.37
LK-52784558BU-FG	1000	277.8	5280	7980	6550	1000	30 kw×1	4550	9.67	21.53

注: LK系列有更多的组合方案未列举, 选型手册未能尽举的, 可联系我司技术部获取相关资料。
Note: LK series has more combination solutions that are not listed, and if the selection manual cannot exhaust them, please contact our technical department to obtain relevant technical information.

LK-U超低噪音(双风机)型横流式冷却塔性能参数表

LK-U Ultra Low Noise (Double Fans) Type Cross-Flow Cooling Tower Parameters



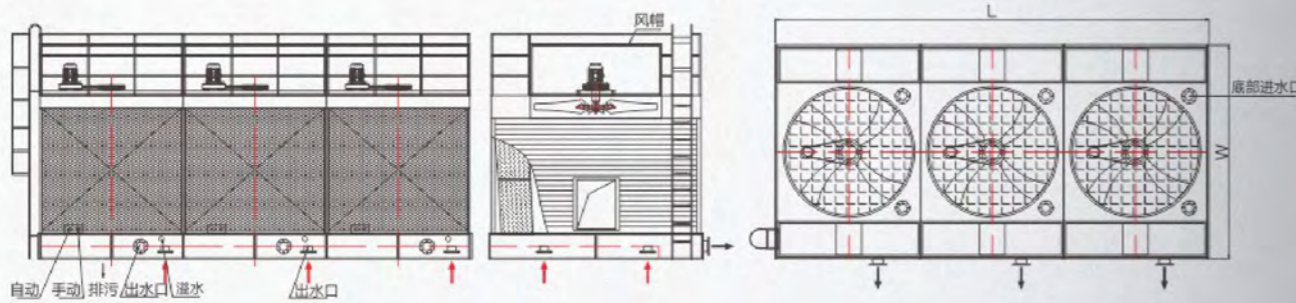
• 双风机型参数 Parameters of Double Fans

水塔型号 Model	流量 Flow		外形尺寸 Overall dimensions(mm)				电机 Electrical machinery 功率×台数 KW×Sets	风机直径 Diameter(mm)	重量 (吨) Weight (t)	
	m3/h	l/s	长 L	宽 W	高 H	风筒 H2			自重 Dry	运行重 Wet
LK-18321534BU-FGx2	200	55.6	3680	3280	4400	800	4 kw×2	1500	2.08	4.62
LK-21351840BU-FGx2	250	69.4	4280	3580	4400	800	4 kw×2	1800	2.59	5.77
LK-24382146BU-FGx2	300	83.3	4880	3880	4400	800	5.5 kw×2	2120	3.12	6.94
LK-24382152BU-FGx2	350	97.2	4880	3880	5000	800	5.5 kw×2	2120	3.48	7.74
LK-28412446BU-FGx2	400	111.1	5680	4180	4400	800	7.5 kw×2	2400	3.99	8.87
LK-28412452BU-FGx2	450	125.0	5680	4180	5000	1000	7.5 kw×2	2400	4.47	9.95
LK-28502440BU-FGx2	500	138.9	5680	5280	5000	1000	7.5 kw×2	2400	4.98	11.08
LK-32562840BU-FGx2	600	166.7	6480	5680	5000	1000	11 kw×2	2850	5.98	13.32
LK-32562846BU-FGx2	700	194.4	6480	5680	5600	1000	11 kw×2	2850	6.83	15.21
LK-36593150BU-FGx2	800	222.2	7280	5980	5000	1000	15 kw×2	3100	7.80	17.36
LK-36593154BU-FGx2	900	250.0	7280	5980	5600	1000	15 kw×2	3100	8.78	19.54
LK-36593162BU-FGx2	1000	277.8	7280	5980	6250	1000	18.5 kw×2	3100	9.77	21.75
LK-40623350BU-FGx2	1200	333.3	8080	6480	6250	1000	18.5 kw×2	3350	11.60	25.82
LK-40653756BU-FGx2	1400	388.9	8080	6780	7050	1000	22 kw×2	3700	13.53	30.11
LK-45724058BU-FGx2	1600	444.4	9080	7380	6550	1000	30 kw×2	4050	15.45	34.41
LK-45724064BU-FGx2	1800	500.0	9080	7380	7350	1000	30 kw×2	4050	17.41	38.75
LK-52784558BU-FGx2	2000	555.6	10480	7980	6550	1000	30 kw×2	4550	19.33	43.05

注: 同型号的水塔可以进行多台组合, 组合后的型号以“单体型号×组合数量”表示(如LK-18321534BU-FGx2)。
Note: Water towers of the same model can be combined into multiple units. The combined model is represented by "single model × combined quantity" (For example LK-18321534BU-FGx2).

LK-U超低噪音(三风机)型横流式冷却塔性能参数表

LK-U Ultra-Low Noise (Three Fans) Type Cross-Flow Cooling Tower Parameters



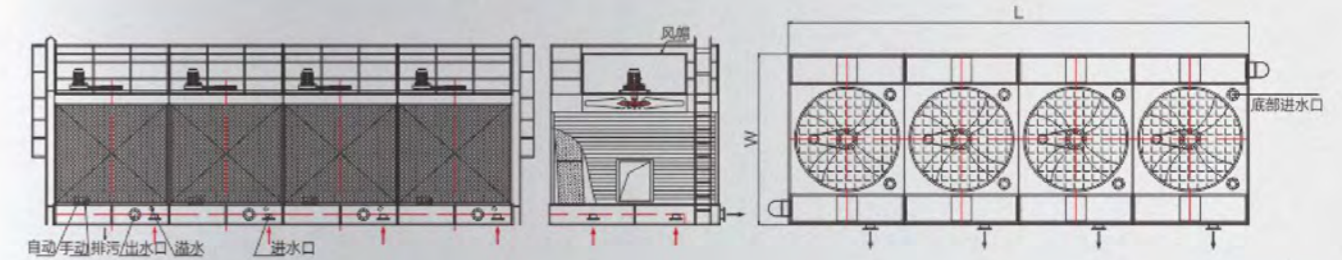
• 三风机型参数 Three Fans Model Parameters

水塔型号 Model	流量 Flow		外形尺寸 Overall dimensions(mm)				电机 Electrical machinery 功率×台数 KW×Sets	风机直径 Diameter(mm)	重量 (吨) Weight (t)	
	m ³ /h	l/s	长 L	宽 W	高 H	风筒 H2			自重 Dry	运行重 Wet
LK-18321534BU-FGx3	300	83.3	5480	3280	4400	800	4 kw×3	1500	3.12	6.93
LK-21351840BU-FGx3	375	104.2	6380	6380	6380	800	4 kw×3	1800	3.88	8.65
LK-24382146BU-FGx3	450	125.0	7280	3880	4400	800	5.5 kw×3	2120	4.67	10.40
LK-24382152BU-FGx3	525	145.8	7280	3880	5000	800	5.5 kw×3	2120	5.22	11.61
LK-28412446BU-FGx3	600	166.7	8480	4180	4400	800	7.5 kw×3	2400	5.98	13.30
LK-28412452BU-FGx3	675	187.5	8480	4180	5000	1000	7.5 kw×3	2400	6.71	14.93
LK-28502440BU-FGx3	750	208.3	8480	5280	5000	1000	7.5 kw×3	2400	7.47	16.62
LK-32562840BU-FGx3	900	250.0	9680	5680	5000	1000	11 kw×3	2850	8.97	19.98
LK-32562846BU-FGx3	1050	291.7	9680	5680	5600	1000	11 kw×3	2850	10.24	22.81
LK-36593150BU-FGx3	1200	333.3	10880	5980	5000	1000	15 kw×3	3100	11.70	26.04
LK-36593154BU-FGx3	1350	375.0	10880	5980	5600	1000	15 kw×3	3100	13.17	29.31
LK-36593162BU-FGx3	1500	416.7	10880	5980	6250	1000	18.5 kw×3	3100	14.66	32.63
LK-40623350BU-FGx3	1800	500.0	12080	6480	6250	1000	18.5 kw×3	3350	17.39	38.38
LK-40653756BU-FGx3	2100	583.3	12080	6780	7050	1000	22 kw×3	3700	20.29	45.16
LK-45724058BU-FGx3	2400	666.7	13580	7380	6550	1000	30 kw×3	4050	23.18	51.62
LK-45724064BU-FGx3	2700	750.0	13580	7380	7350	1000	30 kw×3	4050	26.11	58.12
LK-52784558BU-FGx3	3000	833.3	15680	7980	6550	1000	30 kw×3	4550	29.00	64.58

注：同型号的水塔可以进行多台组合，组合后的型号以“单体型号×组合数量”表示（如LK-18321534BU-FG×3）。
Note: Water towers of the same model can be combined into multiple units. The combined model is represented by "single model × combined quantity" (For example LK-18321534BU-FG×3).

LK-U超低噪音(四风机)型横流式冷却塔性能参数表

LK-U Ultra Low Noise (Single Fan) Type Cross-Flow Cooling Tower Parameters



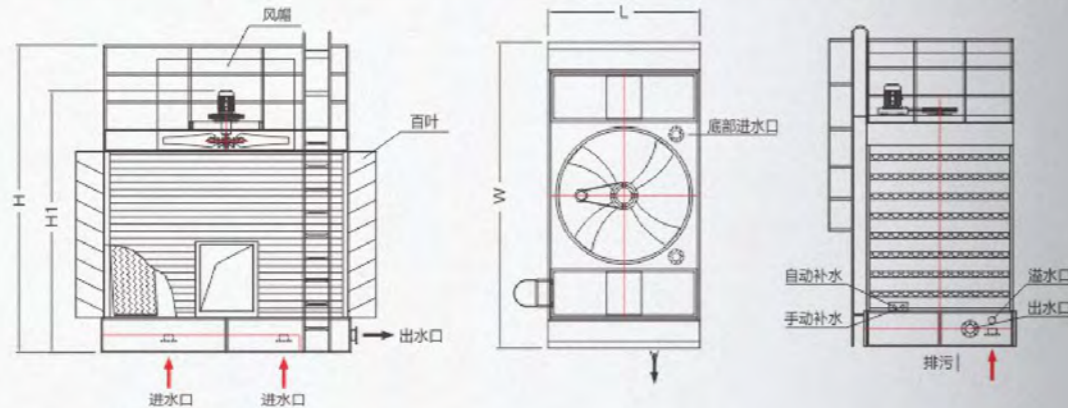
• 四风机型参数 Four Fans Model Parameters

水塔型号 Model	流量 Flow		外形尺寸 Overall dimensions(mm)				电机 Electrical machinery 功率×台数 KW×Sets	风机直径 Diameter(mm)	重量 (吨) Weight (t)	
	m ³ /h	l/s	长 L	宽 W	高 H	风筒 H2			自重 Dry	运行重 Wet
LK-18321534BU-FGx4	400	111.1	7280	3280	4400	800	4 kw×4	1500	4.16	9.24
LK-21351840BU-FGx4	500	138.9	8480	3580	4400	800	4 kw×4	1800	5.17	11.53
LK-24382146BU-FGx4	600	166.7	9680	3880	4400	800	5.5 kw×4	2120	6.23	13.87
LK-24382152BU-FGx4	700	194.4	9680	3880	5000	800	5.5 kw×4	2120	6.95	15.47
LK-28412446BU-FGx4	800	222.2	11280	4180	4400	800	7.5 kw×4	2400	7.97	17.73
LK-28412452BU-FGx4	900	250.0	11280	4180	5000	1000	7.5 kw×4	2400	8.95	19.91
LK-28502440BU-FGx4	1000	277.8	11280	5280	5000	1000	7.5 kw×4	2400	9.96	22.16
LK-32562840BU-FGx4	1200	333.3	12880	5680	5000	1000	11 kw×4	2850	11.96	26.64
LK-32562846BU-FGx4	1400	388.9	12880	5680	5600	1000	11 kw×4	2850	13.65	30.41
LK-36593150BU-FGx4	1600	444.4	14480	5980	5000	1000	15 kw×4	3100	15.60	34.72
LK-36593154BU-FGx4	1800	500.0	14480	5980	5600	1000	15 kw×4	3100	17.55	39.07
LK-36593162BU-FGx4	2000	555.6	14480	5980	6250	1000	18.5 kw×4	3100	19.55	43.51
LK-40623350BU-FGx4	2400	666.7	16080	6480	6250	1000	18.5 kw×4	3350	23.19	51.63
LK-40653756BU-FGx4	2800	777.8	16080	6780	7050	1000	22 kw×4	3700	27.05	60.21
LK-45724058BU-FGx4	3200	888.9	18080	7380	6550	1000	30 kw×4	4050	30.91	68.83
LK-45724064BU-FGx4	3600	1000.0	18080	7380	7350	1000	30 kw×4	4050	34.81	77.49
LK-52784558BU-FGx4	4000	1111.1	20880	7980	6550	1000	30 kw×4	4550	38.67	86.11

注：同型号的水塔可以进行多台组合，组合后的型号以“单体型号×组合数量”表示（如LK-18321534BU-FG×4）。
Note: Water towers of the same model can be combined into multiple units. The combined model is represented by "single model × combined quantity" (For example LK-18321534BU-FG×4).

LK-SU超静音(单风机)型横流式冷却塔性能参数表

LK-SU Super Silent (Single Fan) Type Cross-Flow Cooling Tower Parameters



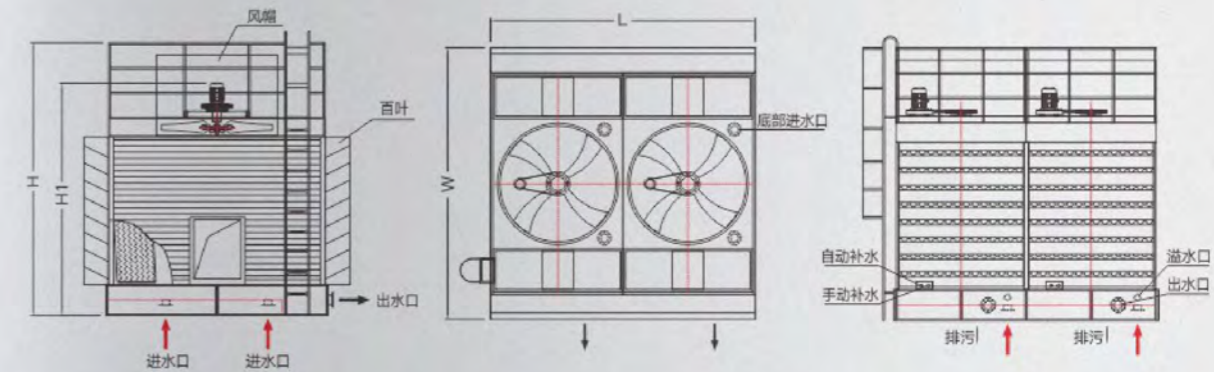
• 单风机型参数 Single Fan Model Parameters

水塔型号 Model	流量 Flow		外形尺寸 Overall dimensions(mm)					电机 Electrical machinery 功率×台数 KW×Sets	风机直径 Diameter(mm)	重量 (吨) Weight (t)	
	m ³ /h	l/s	长 L	宽 W	高 H	风筒 H2	百叶			自重 Dry	运行重 Wet
LK-18321534BSU-FG	100	27.8	1880	3780	4400	800	250	4 kw×1	1500	1.1	2.37
LK-21351840BSU-FG	125	34.7	2180	4080	4400	800	250	4 kw×1	1800	1.37	2.96
LK-24382146BSU-FG	150	41.7	2480	4380	4400	800	250	5.5 kw×1	2120	1.65	3.56
LK-24382152BSU-FG	175	48.6	2480	4380	5000	800	250	5.5 kw×1	2120	1.84	3.97
LK-28412446BSU-FG	200	55.6	2880	4680	4400	800	250	7.5 kw×1	2400	2.12	4.56
LK-28412452BSU-FG	225	62.5	2880	4680	5000	1000	250	7.5 kw×1	2400	2.36	5.10
LK-28502440BSU-FG	250	69.4	2880	5780	5000	1000	250	7.5 kw×1	2400	2.64	5.69
LK-32562840BSU-FG	300	83.3	3280	6180	5000	1000	250	11 kw×1	2850	3.17	6.84
LK-32562846BSU-FG	350	97.2	3280	6180	5600	1000	250	11 kw×1	2850	3.61	7.80
LK-36593150BSU-FG	400	111.1	3680	6480	5000	1000	250	15 kw×1	3100	4.13	8.91
LK-36593154BSU-FG	450	125.0	3680	6480	5600	1000	250	15 kw×1	3100	4.65	10.03
LK-36593162BSU-FG	500	138.9	3680	6480	6250	1000	250	18.5 kw×1	3100	5.18	11.17
LK-40623350BSU-FG	600	166.7	4080	6980	6250	1000	250	18.5 kw×1	3350	6.15	13.26
LK-40653756BSU-FG	700	194.4	4080	7280	7050	1000	250	22 kw×1	3700	7.17	15.46
LK-45724058BSU-FG	800	222.2	4580	7880	6550	1000	250	30 kw×1	4050	8.19	17.67
LK-45724064BSU-FG	900	250.0	4580	7880	7350	1000	250	30 kw×1	4050	9.22	19.89
LK-52784558BSU-FG	1000	277.8	5280	8480	6550	1000	250	30 kw×1	4550	10.25	22.11

注: LK系列有更多的组合方案未列举, 选型手册未能尽举的, 可联系我司技术部获取相关资料。
Note: LK series has more combination solutions that are not listed, and if the selection manual cannot exhaust them, please contact our technical department to obtain relevant technical information.

LK-SU超静音(双风机)型横流式冷却塔性能参数表

LK-SU Super Silent (Double Fans) Type Cross-Flow Cooling Tower Parameters



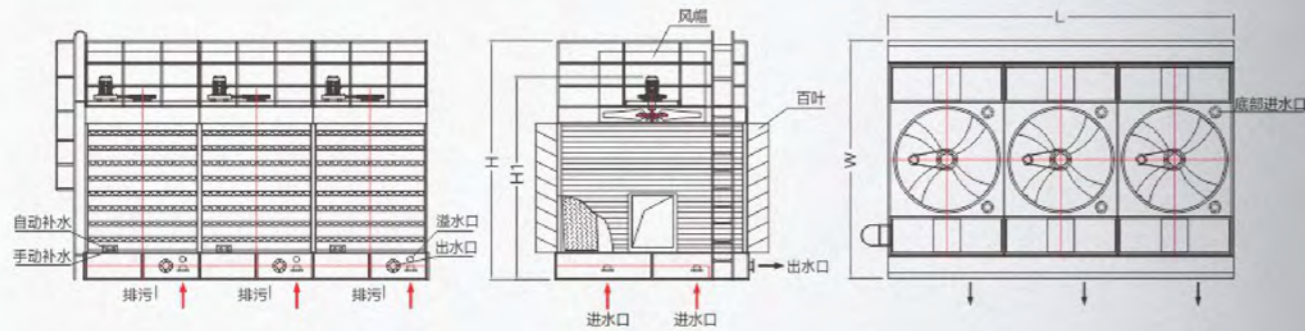
• 双风机型参数 Parameters of Double Fans

水塔型号 Model	流量 Flow		外形尺寸 Overall dimensions(mm)					电机 Electrical machinery 功率×台数 KW×Sets	风机直径 Diameter(mm)	重量 (吨) Weight (t)	
	m ³ /h	l/s	长 L	宽 W	高 H	风筒 H2	百叶			自重 Dry	运行重 Wet
LK-18321534BSU-FGx2	200	55.6	3680	3780	4400	800	250	4 kw×2	1500	2.20	4.74
LK-21351840BSU-FGx2	250	69.4	4280	4080	4400	800	250	4 kw×2	1800	2.74	5.92
LK-24382146BSU-FGx2	300	83.3	4880	4380	4400	800	250	5.5 kw×2	2120	3.30	7.12
LK-24382152BSU-FGx2	350	97.2	4880	4380	5000	800	250	5.5 kw×2	2120	3.69	7.95
LK-28412446BSU-FGx2	400	111.1	5680	4680	4400	800	250	7.5 kw×2	2400	4.22	9.10
LK-28412452BSU-FGx2	450	125.0	5680	4680	5000	1000	250	7.5 kw×2	2400	4.74	10.22
LK-28502440BSU-FGx2	500	138.9	5680	5780	5000	1000	250	7.5 kw×2	2400	5.28	11.38
LK-32562840BSU-FGx2	600	166.7	6480	6180	5000	1000	250	11 kw×2	2850	6.34	13.68
LK-32562846BSU-FGx2	700	194.4	6480	6180	5600	1000	250	11 kw×2	2850	7.24	15.62
LK-36593150BSU-FGx2	800	222.2	7280	6480	5000	1000	250	15 kw×2	3100	8.27	17.83
LK-36593154BSU-FGx2	900	250.0	7280	6480	5600	1000	250	15 kw×2	3100	9.30	20.06
LK-36593162BSU-FGx2	1000	277.8	7280	6480	6250	1000	250	18.5 kw×2	3100	10.36	22.34
LK-40623350BSU-FGx2	1200	333.3	8080	6980	6250	1000	250	18.5 kw×2	3350	12.29	26.51
LK-40653756BSU-FGx2	1400	388.9	8080	7280	7050	1000	250	22 kw×2	3700	14.34	30.92
LK-45724058BSU-FGx2	1600	444.4	9080	7880	6550	1000	250	30 kw×2	4050	16.38	35.34
LK-45724064BSU-FGx2	1800	500.0	9080	7880	7350	1000	250	30 kw×2	4050	18.45	39.79
LK-52784558BSU-FGx2	2000	555.6	10480	8480	6550	1000	250	30 kw×2	4550	20.49	44.21

注: 同型号的水塔可以进行多台组合, 组合后的型号以“单体型号×组合数量”表示(如LK-18321534BSU-FGx2)。
Note: Water towers of the same model can be combined into multiple units. The combined model is represented by "single model × combined quantity" (For example LK-18321534BSU-FGx2).

LK-SU超静音(三风机)型横流式冷却塔性能参数表

LK-SU Super Silent (Three Fans) Type Cross-Flow Cooling Tower Parameters



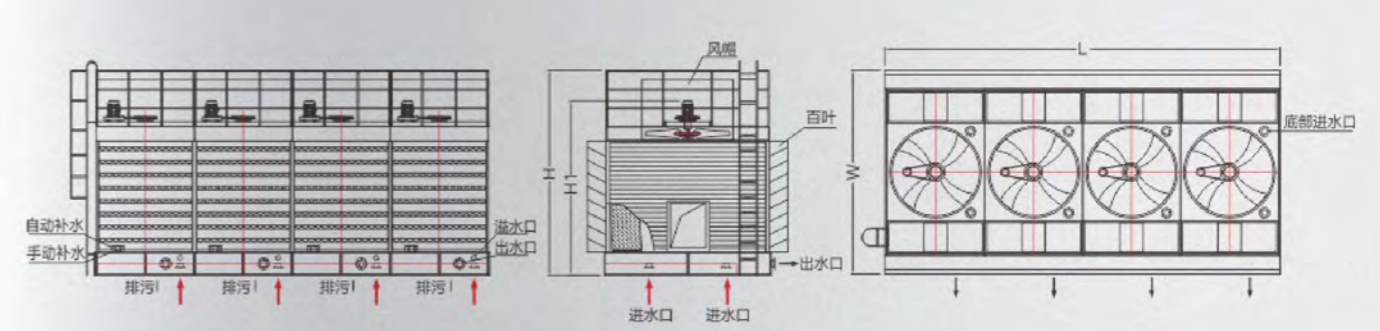
• 三风机型参数 Three Fans Model Parameters

水塔型号 Model	流量 Flow		外形尺寸 Overall dimensions(mm)						电机 Electrical machinery 功率×台数 KW×Sets	风机直径 Diameter(mm)	重量 (吨) Weight (t)	
	m3/h	l/s	长 L	宽 W	高 H	风筒 H2	百叶	自重 Dry			运行重 Wet	
LK-18321534BSU-FGx3	300	83.3	5480	3780	4400	800	250	4 kw×3	1500	3.30	7.11	
LK-21351840BSU-FGx3	375	104.2	6380	4080	4400	800	250	4 kw×3	1800	4.11	8.88	
LK-24382146BSU-FGx3	450	125.0	7280	4380	4400	800	250	5.5 kw×3	2120	4.96	10.69	
LK-24382152BSU-FGx3	525	145.8	7280	4380	5000	800	250	5.5 kw×3	2120	5.53	11.92	
LK-28412446BSU-FGx3	600	166.7	8480	4680	4400	800	250	7.5 kw×3	2400	6.34	13.66	
LK-28412452BSU-FGx3	675	187.5	8480	4680	5000	1000	250	7.5 kw×3	2400	7.11	15.33	
LK-28502440BSU-FGx3	750	208.3	8480	5780	5000	1000	250	7.5 kw×3	2400	7.92	17.07	
LK-32562840BSU-FGx3	900	250.0	9680	6180	5000	1000	250	11 kw×3	2850	9.51	20.52	
LK-32562846BSU-FGx3	1050	291.7	9680	6180	5600	1000	250	11 kw×3	2850	10.85	23.42	
LK-36593150BSU-FGx3	1200	333.3	10880	6480	5000	1000	250	15 kw×3	3100	12.40	26.74	
LK-36593154BSU-FGx3	1350	375.0	10880	6480	5600	1000	250	15 kw×3	3100	13.96	30.10	
LK-36593162BSU-FGx3	1500	416.7	10880	6480	6250	1000	250	18.5 kw×3	3100	15.54	33.51	
LK-40623350BSU-FGx3	1800	500.0	12080	6980	6250	1000	250	18.5 kw×3	3350	18.44	39.43	
LK-40653756BSU-FGx3	2100	583.3	12080	7280	7050	1000	250	22 kw×3	3700	21.51	46.38	
LK-45724058BSU-FGx3	2400	666.7	13580	7880	6550	1000	250	30 kw×3	4050	24.57	53.01	
LK-45724064BSU-FGx3	2700	750.0	13580	7880	7350	1000	250	30 kw×3	4050	27.67	59.68	
LK-52784558BSU-FGx3	3000	833.3	15680	8480	6550	1000	250	30 kw×3	4550	30.74	66.32	

注：同型号的水塔可以进行多台组合，组合后的型号以“单体型号×组合数量”表示（如LK-18321534BSU-FGx3）。
Note: Water towers of the same model can be combined into multiple units. The combined model is represented by "single model × combined quantity" (For example LK-18321534BSU-FGx3).

LK-SU超静音(四风机)型横流式冷却塔性能参数表

LK-SU Super Silent (Four Fans) Type Cross-Flow Cooling Tower



• 四风机型参数 Four Fans Model Parameters

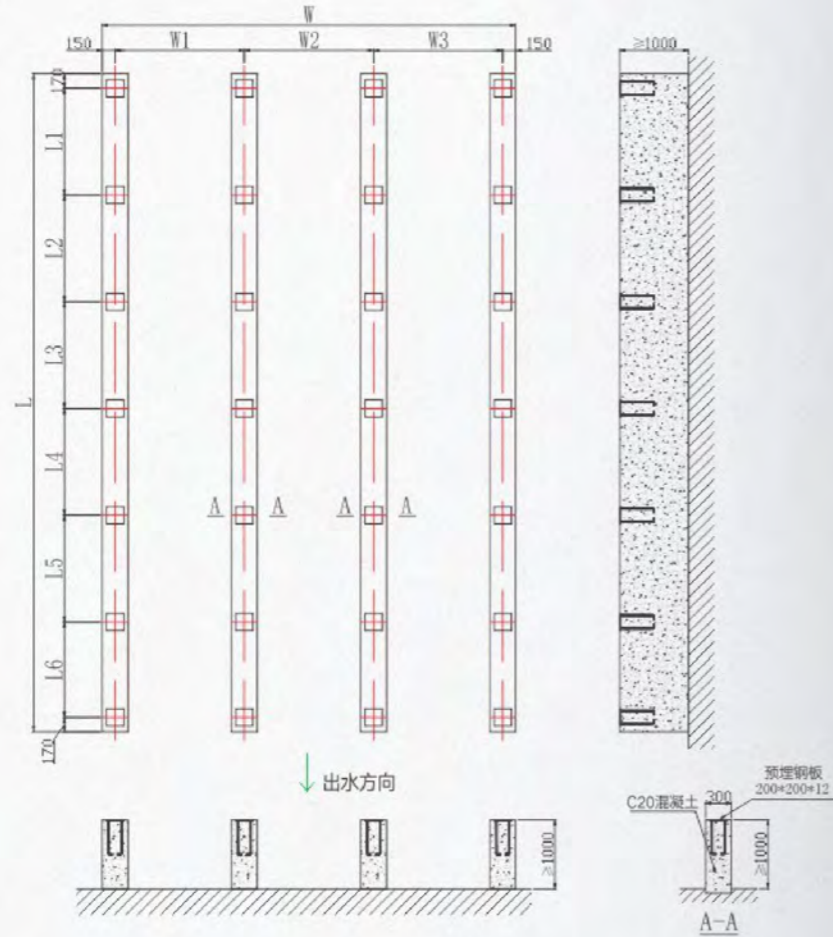
水塔型号 Model	流量 Flow		外形尺寸 Overall dimensions(mm)						电机 Electrical machinery 功率×台数 KW×Sets	风机直径 Diameter(mm)	重量 (吨) Weight (t)	
	m3/h	l/s	长 L	宽 W	高 H	风筒 H2	百叶	自重 Dry			运行重 Wet	
LK-18321534BSU-FGx4	400	111.1	7280	3780	4400	800	250	4 kw×4	1500	4.40	9.48	
LK-21351840BSU-FGx4	500	138.9	8480	4080	4400	800	250	4 kw×4	1800	5.48	11.84	
LK-24382146BSU-FGx4	600	166.7	9680	4380	4400	800	250	5.5 kw×4	2120	6.61	14.25	
LK-24382152BSU-FGx4	700	194.4	9680	4380	5000	800	250	5.5 kw×4	2120	7.37	15.89	
LK-28412446BSU-FGx4	800	222.2	11280	4680	4400	800	250	7.5 kw×4	2400	8.45	18.21	
LK-28412452BSU-FGx4	900	250.0	11280	4680	5000	1000	250	7.5 kw×4	2400	9.48	20.44	
LK-28502440BSU-FGx4	1000	277.8	11280	5780	5000	1000	250	7.5 kw×4	2400	10.56	22.76	
LK-32562840BSU-FGx4	1200	333.3	12880	6180	5000	1000	250	11 kw×4	2850	12.67	27.35	
LK-32562846BSU-FGx4	1400	388.9	12880	6180	5600	1000	250	11 kw×4	2850	14.47	31.23	
LK-36593150BSU-FGx4	1600	444.4	14480	6480	5000	1000	250	15 kw×4	3100	16.54	35.66	
LK-36593154BSU-FGx4	1800	500.0	14480	6480	5600	1000	250	15 kw×4	3100	18.61	40.13	
LK-36593162BSU-FGx4	2000	555.6	14480	6480	6250	1000	250	18.5 kw×4	3100	20.72	44.68	
LK-40623350BSU-FGx4	2400	666.7	16080	6980	6250	1000	250	18.5 kw×4	3350	24.58	53.02	
LK-40653756BSU-FGx4	2800	777.8	16080	7280	7050	1000	250	22 kw×4	3700	28.67	61.83	
LK-45724058BSU-FGx4	3200	888.9	18080	7880	6550	1000	250	30 kw×4	4050	32.76	70.68	
LK-45724064BSU-FGx4	3600	1000.0	18080	7880	7350	1000	250	30 kw×4	4050	36.90	79.58	
LK-52784558BSU-FGx4	4000	1111.1	20880	8480	6550	1000	250	30 kw×4	4550	40.99	88.43	

注：同型号的水塔可以进行多台组合，组合后的型号以“单体型号×组合数量”表示（如LK-18321534BSU-FGx4）。
Note: Water towers of the same model can be combined into multiple units. The combined model is represented by "single model × combined quantity" (For example LK-18321534BSU-FGx4).

LK系列(单风机)横流式冷却塔基础尺寸参数

LK Series (Single Fan) Cross-Flow Cooling Tower Foundation Parameters

• 示意图 Schematics



• 单风机型参数 Single fan model parameters

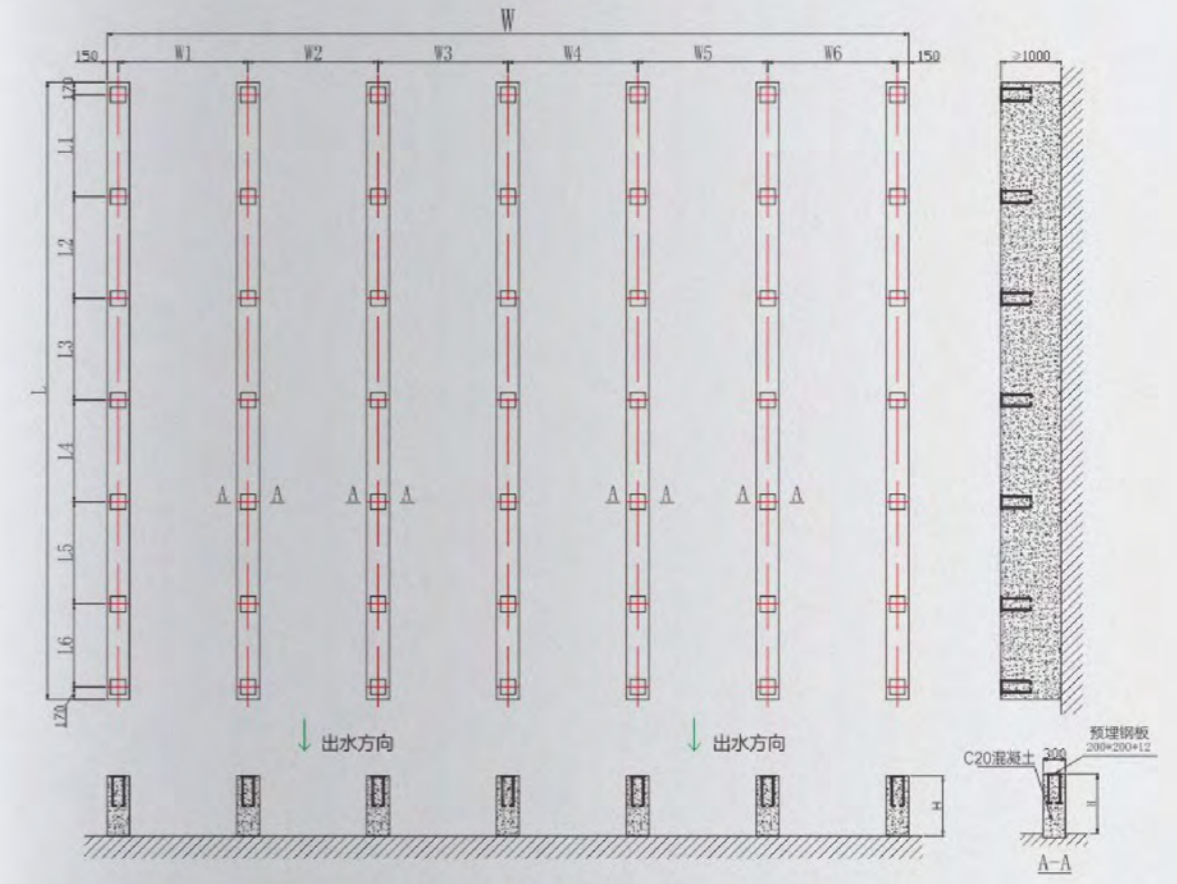
水塔型号 Model	L(mm)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	L5(mm)	L6(mm)	W(mm)	W1(mm)	W2(mm)	W3(mm)	H(mm)
LK-18321534BL-FG	3540	1200	1200	800	--	--	--	2100	1800	--	--	1000
LK-21351840BL-FG	3840	900	900	900	800	--	--	2400	1050	1050	--	1000
LK-24382146BL-FG	4140	1000	1000	1000	800	--	--	2700	1200	1200	--	1000
LK-24382152BL-FG	4140	1000	1000	1000	800	--	--	2700	1200	1200	--	1000
LK-28412446BL-FG	4440	1100	1100	1100	800	--	--	3100	1400	1400	--	1000
LK-28412452BL-FG	4440	1100	1100	1100	800	--	--	3100	1400	1400	--	1000
LK-28502440BL-FG	5540	1100	1100	1100	1100	800	--	3100	1400	1400	--	1000
LK-32562840BL-FG	5940	1200	1200	1200	1200	800	--	3500	1600	1600	--	1000
LK-32562846BL-FG	5940	1200	1200	1200	1200	800	--	3500	1600	1600	--	1000
LK-36593150BL-FG	6240	1200	1200	1200	1200	1100	--	3900	1800	1800	--	1000
LK-36593154BL-FG	6240	1200	1200	1200	1200	1100	--	3900	1800	1800	--	1000
LK-36593162BL-FG	6240	1200	1200	1200	1200	1100	--	3900	1800	1800	--	1000
LK-40623350BL-FG	6740	1325	1325	1325	1325	1100	--	4300	2000	2000	--	1000
LK-40653756BL-FG	7040	1400	1400	1400	1400	1100	--	4300	2000	2000	--	1000
LK-45724058BL-FG	7640	1240	1240	1240	1240	1240	1100	4800	1500	1500	1500	1000
LK-45724064BL-FG	7640	1240	1240	1240	1240	1240	1100	4800	1500	1500	1500	1000
LK-52784558BL-FG	8240	1360	1360	1360	1360	1360	1100	5500	1733	1734	1733	1000

注: LK系列有更多的组合方案未列举, 选型手册未能尽举的, 可联系我司技术部获取相关资料。
Note: LK series has more combination solutions that are not listed, and if the selection manual cannot exhaust them, please contact our technical department to obtain relevant technical information.

LK系列(双风机)横流式冷却塔基础尺寸参数

LK Series (Double Fans) Cross-Flow Cooling Tower Foundation Parameters

• 示意图 Schematics



• 双风机型参数 Parameters of twinwinders

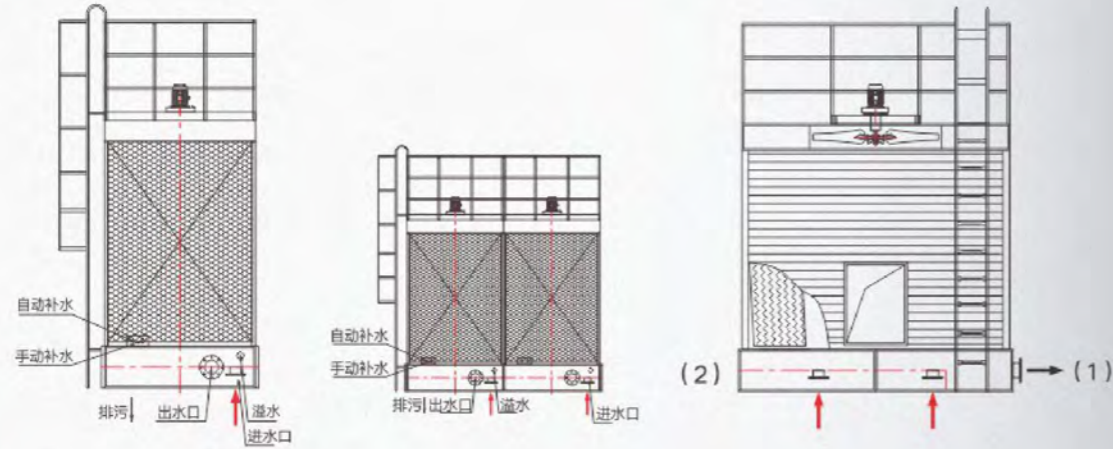
水塔型号 Model	L(mm)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	L5(mm)	L6(mm)	W(mm)	W1(mm)	W2(mm)	W3(mm)	W4(mm)	W5(mm)	W6(mm)	H(mm)
LK-18321534BL-FG×2	3540	1200	1200	800	--	--	--	3900	1800	1800	--	--	--	--	1000
LK-21351840BL-FG×2	3840	900	900	900	800	--	--	4500	1050	1050	1050	1050	--	--	1000
LK-24382146BL-FG×2	4140	1000	1000	1000	800	--	--	5100	1200	1200	1200	1200	--	--	1000
LK-24382152BL-FG×2	4140	1000	1000	1000	800	--	--	5100	1200	1200	1200	1200	--	--	1000
LK-28412446BL-FG×2	4440	1100	1100	1100	800	--	--	5900	1400	1400	1400	1400	--	--	1000
LK-28412452BL-FG×2	4440	1100	1100	1100	800	--	--	5900	1400	1400	1400	1400	--	--	1000
LK-28502440BL-FG×2	5540	1100	1100	1100	800	--	--	5900	1400	1400	1400	1400	--	--	1000
LK-32562840BL-FG×2	5940	1200	1200	1200	1200	800	--	6700	1600	1600	1600	1600	--	--	1000
LK-32562846BL-FG×2	5940	1200	1200	1200	1200	800	--	6700	1600	1600	1600	1600	--	--	1000
LK-36593150BL-FG×2	6240	1200	1200	1200	1200	1100	--	7500	1800	1800	1800	1800	--	--	1000
LK-36593154BL-FG×2	6240	1200	1200	1200	1200	1100	--	7500	1800	1800	1800	1800	--	--	1000
LK-36593162BL-FG×2	6240	1200	1200	1200	1200	1100	--	7500	1800	1800	1800	1800	--	--	1000
LK-40623350BL-FG×2	6740	1325	1325	1325	1325	1100	--	8300	2000	2000	2000	2000	--	--	1000
LK-40653756BL-FG×2	7040	1400	1400	1400	1400	1100	--	8300	2000	2000	2000	2000	--	--	1000
LK-45724058BL-FG×2	7640	1240	1240	1240	1240	1240	1100	9300	1500	1500	1500	1500	1500	1500	1000
LK-45724064BL-FG×2	7640	1240	1240	1240	1240	1240	1100	9300	1500	1500	1500	1500	1500	1500	1000
LK-52784558BL-FG×2	8240	1360	1360	1360	1360	1360	1100	10700	1733	1734	1733	1733	1734	1733	1000

注: LK系列有更多的组合方案未列举, 选型手册未能尽举的, 可联系我司技术部获取相关资料。
Note: LK series has more combination solutions that are not listed, and if the selection manual cannot exhaust them, please contact our technical department to obtain relevant technical information.

LK系列横流式冷却塔标准接管尺寸

LK Series Cross Flow Cooling Tower Standard Receiver

示意图 Schematic Diagram



标准接管尺寸参数 Standard Nozzle Size Parameters

水塔型号 Model	进水 DN/mm	出水 DN/mm	溢水 DN/mm	排污 DN/mm	自动补水 DN/mm	手动补水 DN/mm
LK-18321534BL-FG	DN 100 mm×2	DN 125 mm	DN 80 mm	DN 80 mm	DN 25 mm	DN 40 mm
LK-21351840BL-FG	DN 125 mm×2	DN 150 mm	DN 80 mm	DN 80 mm	DN 25 mm	DN 40 mm
LK-24382146BL-FG	DN 125 mm×2	DN 150 mm	DN 80 mm	DN 80 mm	DN 25 mm	DN 40 mm
LK-24382152BL-FG	DN 125 mm×2	DN 200 mm	DN 80 mm	DN 80 mm	DN 25 mm	DN 40 mm
LK-28412446BL-FG	DN 150 mm×2	DN 200 mm	DN 80 mm	DN 80 mm	DN 25 mm	DN 40 mm
LK-28412452BL-FG	DN 150 mm×2	DN 200 mm	DN 80 mm	DN 80 mm	DN 25 mm	DN 40 mm
LK-28502440BL-FG	DN 150 mm×2	DN 250 mm	DN 80 mm	DN 80 mm	DN 32 mm	DN 50 mm
LK-32562840BL-FG	DN 150 mm×2	DN 250 mm	DN 100 mm	DN 100 mm	DN 32 mm	DN 50 mm
LK-32562846BL-FG	DN 150 mm×2	DN 250 mm	DN 100 mm	DN 100 mm	DN 32 mm	DN 50 mm
LK-36593150BL-FG	DN 150 mm×4	DN 300 mm	DN 100 mm	DN 100 mm	DN 50 mm	DN 80 mm
LK-36593154BL-FG	DN 150 mm×4	DN 300 mm	DN 100 mm	DN 100 mm	DN 50 mm	DN 80 mm
LK-36593162BL-FG	DN 150 mm×4	DN 300 mm	DN 100 mm	DN 100 mm	DN 50 mm	DN 80 mm
LK-40623350BL-FG	DN 150 mm×4	DN 350 mm	DN 100 mm	DN 100 mm	DN 50 mm	DN 80 mm
LK-40653756BL-FG	DN 150 mm×4	DN 350 mm	DN 100 mm	DN 100 mm	DN 50 mm	DN 80 mm
LK-45724058BL-FG	DN 200 mm×4	DN 400 mm	DN 100 mm	DN 100 mm	DN 50 mm	DN 80 mm
LK-45724064BL-FG	DN 200 mm×4	DN 400 mm	DN 100 mm	DN 100 mm	DN 50 mm	DN 80 mm
LK-52784558BL-FG	DN 200 mm×4	DN 400 mm	DN 100 mm	DN 100 mm	DN 50 mm	DN 80 mm
LK-18321534BL-FG×2	DN 100 mm×4	DN 125 mm×2	DN 80 mm×2	DN 80 mm×2	DN 25 mm×2	DN 40 mm×2
LK-21351840BL-FG×2	DN 125 mm×4	DN 150 mm×2	DN 80 mm×2	DN 80 mm×2	DN 25 mm×2	DN 40 mm×2
LK-24382146BL-FG×2	DN 125 mm×4	DN 150 mm×2	DN 80 mm×2	DN 80 mm×2	DN 25 mm×2	DN 40 mm×2
LK-24382152BL-FG×2	DN 125 mm×4	DN 200 mm×2	DN 80 mm×2	DN 80 mm×2	DN 25 mm×2	DN 40 mm×2
LK-28412446BL-FG×2	DN 150 mm×4	DN 200 mm×2	DN 80 mm×2	DN 80 mm×2	DN 25 mm×2	DN 40 mm×2
LK-28412452BL-FG×2	DN 150 mm×4	DN 200 mm×2	DN 80 mm×2	DN 80 mm×2	DN 25 mm×2	DN 40 mm×2
LK-28502440BL-FG×2	DN 150 mm×4	DN 250 mm×2	DN 80 mm×2	DN 80 mm×2	DN 32 mm×2	DN 50 mm×2
LK-32562840BL-FG×2	DN 150 mm×4	DN 250 mm×2	DN 100 mm×2	DN 100 mm×2	DN 32 mm×2	DN 50 mm×2
LK-32562846BL-FG×2	DN 150 mm×4	DN 250 mm×2	DN 100 mm×2	DN 100 mm×2	DN 32 mm×2	DN 50 mm×2
LK-36593150BL-FG×2	DN 150 mm×8	DN 300 mm×2	DN 100 mm×2	DN 100 mm×2	DN 50 mm×2	DN 80 mm×2
LK-36593154BL-FG×2	DN 150 mm×8	DN 300 mm×2	DN 100 mm×2	DN 100 mm×2	DN 50 mm×2	DN 80 mm×2
LK-36593162BL-FG×2	DN 150 mm×8	DN 300 mm×2	DN 100 mm×2	DN 100 mm×2	DN 50 mm×2	DN 80 mm×2
LK-40623350BL-FG×2	DN 150 mm×8	DN 350 mm×2	DN 100 mm×2	DN 100 mm×2	DN 50 mm×2	DN 80 mm×2
LK-40653756BL-FG×2	DN 150 mm×8	DN 350 mm×2	DN 100 mm×2	DN 100 mm×2	DN 50 mm×2	DN 80 mm×2
LK-45724058BL-FG×2	DN 200 mm×8	DN 400 mm×2	DN 100 mm×2	DN 100 mm×2	DN 50 mm×3	DN 80 mm×3
LK-45724064BL-FG×2	DN 200 mm×8	DN 400 mm×2	DN 100 mm×2	DN 100 mm×2	DN 50 mm×3	DN 80 mm×3
LK-52784558BL-FG×2	DN 200 mm×9	DN 400 mm×3	DN 100 mm×3	DN 100 mm×3	DN 50 mm×4	DN 80 mm×4

注:

1. 冷却塔的出水口方向有 (1)、(2) 两个选择, 在水塔安装时可根据需要告知安装人员;
2. 冷却塔的标准进水口方向在冷却塔水盆的底部, 如需顶部进水时, 则需在订货时告知业务代表;
3. 进/出水口应安装软连接及阀门, 外接管道应设置支撑, 不可把管道的重量施加于冷却塔接口上;

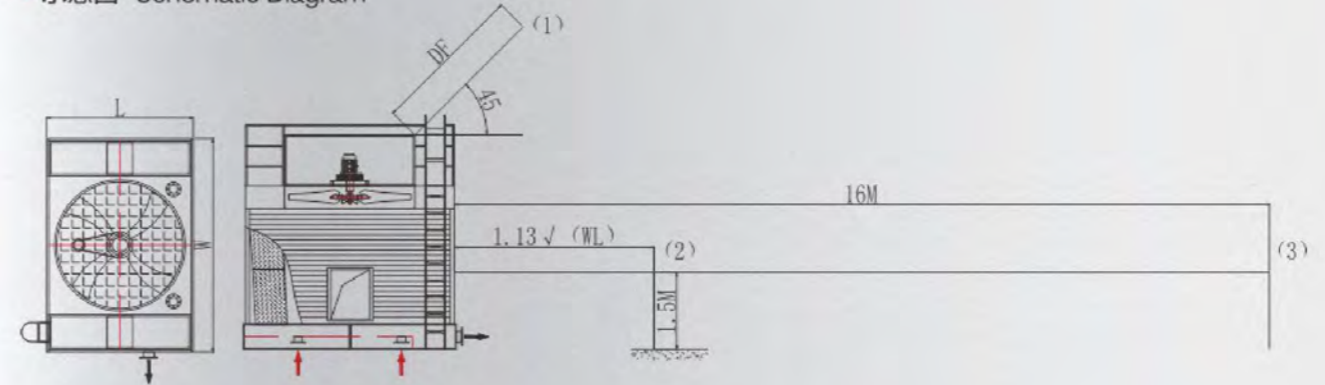
Note:

1. cooling tower water outlet direction has (1), (2) two choices, in the water tower installation can be based on the need to inform the installer;
2. The standard water inlet direction of the cooling tower is at the bottom of the water basin of the cooling tower, if top water inlet is required, then the business representative needs to be informed at the time of ordering;
3. inlet/outlet should be installed soft connection and valve, external piping should be set up to support, not the weight of the pipeline applied to the cooling tower interface;

LK系列横流式冷却塔噪音性能参数

LK Series Cross Flow Cooling Tower Noise Performance Parameters

示意图 Schematic Diagram



噪音指标值参数 Noise Indicator Value

水塔型号 Model	L型			U型			SU型		
	1	2	3	1	2	3	1	2	3
LK-18321534BL-FG	64.0	58.0	52.0	62.0	56.0	50.0	61.0	54.0	48.0
LK-21351840BL-FG	64.2	58.0	52.4	62.5	56.3	50.4	61.6	54.0	48.4
LK-24382146BL-FG	64.5	58.5	53.5	62.5	56.6	50.8	61.9	54.5	48.8
LK-24382152BL-FG	64.9	59.0	54.0	63.0	57.5	51.0	62.0	54.5	49.5
LK-28412446BL-FG	64.9	60.0	54.0	63.5	58.0	51.0	62.0	55.5	49.5
LK-28412452BL-FG	65.2	60.5	54.5	63.5	58.5	51.5	62.2	56.0	50.0
LK-28502440BL-FG	65.8	61.0	57.0	64.0	59.0	53.0	63.2	57.0	51.0
LK-32562840BL-FG	67.0	61.5	57.8	65.0	59.5	53.5	64.0	58.0	51.5
LK-32562846BL-FG	67.0	61.8	58.2	65.5	59.8	54.2	64.5	58.2	51.6
LK-36593150BL-FG	67.8	62.0	59.5	65.8	60.0	54.9	64.8	58.5	51.9
LK-36593154BL-FG	67.8	62.5	59.5	65.8	60.0	54.9	65.0	59.0	52.5
LK-36593162BL-FG	68.0	63.0	60.0	66.0	60.5	56.0	65.0	59.0	52.6
LK-40623350BL-FG	68.2	64.0	61.0	66.8	61.0	58.0	65.7	59.5	54.0
LK-40653756BL-FG	70.2	65.0	62.0	68.2	62.0	59.0	66.0	60.0	55.0
LK-45724058BL-FG	70.5	67.0	64.5	68.5	64.0	60.2	66.5	63.0	56.0
LK-45724064BL-FG	71.5	68.0	65.5	69.5	65.0	61.2	68.0	65.0	58.0
LK-52784558BL-FG	72.2	69.0	66.2	70.0	65.8	62.0	69.5	66.5	59.5

1. 国标测量点 (1): 沿风筒上端点45°方向取DF距离(DF=风机直径,当DF>5m时,取值5m)。
2. 国标测量点 (2): 距离冷却塔进风口的水平距离D1=1.13*sqrt(WL) (m),在基础上端面高度1.5m处。
3. 国标测量点 (3): 距离冷却塔进风口的水平距离D2=16m,在基础上端面高度1.5m处。
4. 测量噪音指标时应不受周围噪音干扰。

1. the national standard measurement point (1): along the wind cylinder on the end of the 45° direction to take DF distance (DF = fan diameter, when DF > 5m, take the value of 5m).
2. the national standard measurement point (2): from the cooling tower air inlet horizontal distance D1 = 1.13 * sqrt(WL) (m), in the foundation of the end of the height of 1.5m.
3. the national standard measurement point (3): from the cooling tower air inlet horizontal distance D2 = 16m, in the foundation of the end of the height of 1.5m.
4. Measurement of noise indicators should be free from ambient noise interference.

应用案例

Application Cases

BYD



回天新材 HUITIAN NEW MATERIAL



红珊瑚药业 Hongshanhu Pharmaceutical

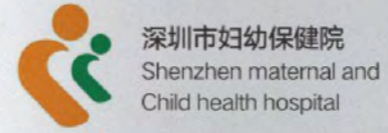


CATL 宁德时代



应用案例

Application Cases



陕西中医药大学
Shaanxi University of Chinese Medicine

