



德瑞科高速离心风机

Dereike DPT Permanent Magnet High Speed Turbine Blower



高速离心风机与风刀干燥系统专业定制厂家

Professional Manufacturer of Permanent Magnet Turbo Blower & Air Knife Systems



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德瑞科在中国

About Dereike

德瑞科致力于边道鼓风机的研发、设计、生产和销售，并提供定制服务。凭借卓越的品质和服务，所有的德里科产品都赢得了广泛的行业客户的高度声誉。目前产品远销德国、意大利、西班牙、美国、加拿大、巴西、马来西亚、新加坡、印度尼西亚、越南、泰国、印度、俄罗斯、阿联酋等欧美国家。并与全球多家知名企业建立了战略合作伙伴关系。德瑞科高压风机广泛应用于：水处理、中央集尘环保、自动给料机、液体灌装机、粉体灌装机、食品、包装、灌装、玻璃制品、切纸机、燃烧氧还原机、卷筒过滤成型机、木工机械、堆肥发酵、沼气输送、粉体颗粒输送等行业。德瑞科不仅是标准组件的供应商，而且还专注于为客户寻找解决方案。我们设计和开发完整的系统和安装我们的产品。德瑞科人本着诚信、创新、合作的精神，与合作伙伴共同努力，提高行业质量，建立严格的质量监督体系。不断研发高效节能新产品，拓展侧道风机在工业智能3-/中的应用领域。“以德为先，大道至简”德瑞科将为您提供优质的产品和最佳的服务！

Dereike is committed to the R&D, design, production and sales of side channel blowers, which also providing customized services.

With excellent quality and service, all Dereike products have won high reputations from a wide range of industry customers. At present, the Dereike products are exported to Europe and American countries, like Germany, Italy, Spain, USA, Canada, Brazil, also Malaysia, Singapore, Indonesia, Vietnam, Thailand, India, Russia, UAE. , etc., and have established strategic partnerships with many well-known enterprises all over the world.

Dereike side channel blower are widely used in: water treatment, central dust collection and environmental protection, automatic feeders, liquid filling machines, powder filling machines, food, packaging, filling, glass products, paper cutters , combustion oxygen reduction machine, coil filter molding machine, woodworking machinery, compost fermentation, biogas delivery, powder and granule conveyor and other industries.

Dereike is not just a supplier of standard components, but also specialized in finding solution for customers problems as well.

We design and develop complete systems and installations with our products. With the spirit of honesty, innovation, cooperation, the Dereike people work together with partners to improve the quality of the industry and establish a strict quality supervision system. Continuously R&D high-efficiency and energy-saving new products and expand the application fields of side channel blower in industrial intelligence 4.0.

"Virtue as priority, Avenue to Jane" Dereike will provide you with quality products and best services!

荣誉与资质 Honor And Qualifications

Dereike products have passed CE certification and possess over 10 core patents for high-speed centrifugal fans and air knife drying systems. They have also obtained the ISO9001:2015.



■ Complete Production Line

■ ISO9001 Certification

■ CE Certification

■ ROHS Certification



■ Dereike are sold to 60+ countries around the world, consistently providing reliable air solutions for various nations

设计与制造 *Design And Manufacturing*

2019竣工的新工厂地址位于江苏南通,占地面积70亩,公司主营侧通道高压风机,
拥有自营品牌德瑞科DEREIKE;

南通工厂拥有先进设备: 数控铣床 28台,数控车床 26台, 数控钻床 12台

平衡机 8台, 绕线机 16台, 钻床10台等近百台加工设备;

生产日产量: 300-400台/天月产量: 8000-9000台/月,年产量10万

The new factory completed in 2019 is located in Nantong, Jiangsu, covers an area of 70 mu, and the company's main side channel blower Nantong factory has advanced equipment: 28 CNC milling machines, 26 CNC lathes, 12 CNC drilling machines. Balancing machine 8 sets, winding machine 16 sets, drilling machine 10 sets and other nearly 100 processing equipment; Production daily output: 300-400 units/day monthly output: 8000-9000 units/month, annual output of 100,000 +.



技术特点 Technical Characteristics

Traditional Blower Application Issue:

■ High Energy Consumption

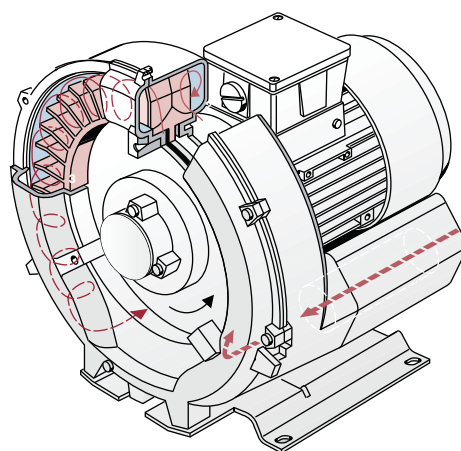
Products dried by compressed air usually require large-capacity air compressors (typically 140HP), but the high energy consumption will cause enterprises to pay at least an additional 2 million yuan in electricity bills each year.

■ Efficiency

side channel blower and air knife system technology is relatively old, has low efficiency and unstable operation.

■ Effect

side channel blower or medium pressure blower may sometimes not be able to provide sufficient air velocity to achieve the required drying effect.



Traditional Side Channel Blower

Dereike helps enterprises increase production capacity at a lower cost:

Dereike, the earliest manufacturer in the industry to have the Permanent Magnet Turbo Blower. It is a professional centrifugal blower manufacturer.



核心优势

Core Advantage

■ Technology

Dereike will allocate 15% of its revenue to research and development.

Dereike not only sells standard products, but also can provide customized products to meet the application needs of customers.

■ Solution

We can provide customized products based on the application environment to meet the requirements.

Our engineers are always on standby to meet your requirements and plan the solutions for the research and development projects.

■ Experience

Dereike has over 15 years of experience in research and development as well as design. It also has a team of engineers specializing in electromechanical, mechanical, new materials, and mold technologies.

■ Delivery capability

We can guarantee to complete the delivery on time and within the specified quantity.

■ Quality

A complete processing, production and inspection production line, with excellent craftsmanship standards, ensures consistent quality.

■ Accessories

One-stop purchase of accessories such as filters, connectors, elbows, and frequency converters and so on.

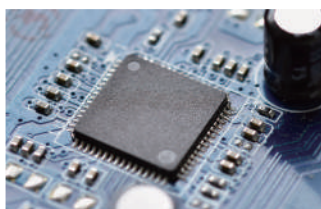
客户见证 Customer Witness

Cooperative Customer :

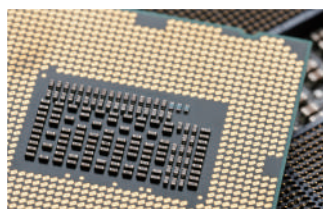
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	 SICHUAN UNIVERSITY			
				 比亚迪汽车
				
				



应用领域 Applications



PCB Board Cleaning



Semiconductor Cleaning



Plastic Part Cleaning



Painting Washing



Steel Degreasing & Oil Removal



Tire Industry



Electroplating



Aquaculture Aeration



Food Packaging



Glass Cleaning and Drying



Bottle Labeling



Beverage Filling & Packaging

Dereike Permanent Magnet Turbo Blower Application:

Food processing and packaging process drying, pharmaceutical production, bottle and filling line drying, medical production process drying, die-casting parts, hardware parts cleaning and drying, industrial product cleaning and drying, PCB circuit board cleaning, glass cleaning and drying, ceramic production, LCD display water removal drying, automotive parts production drying, textile and papermaking moisture drying, tire industry, steel coil drying, etc.

Steel Industry

Dereike's use of Permanent Magnet Turbo Blower and Air Knife system can be applied to metal cleaning, polishing, stamping and painting. It can perfectly match the production speed of enterprises and significantly reduce costs.



Automobile Industry

Dereike's air knife system can be applied in the automotive industry for water removal, cooling, surface cleaning and electroplating processes. The high-impact gas it generates, combined with electrostatic rods, can also eliminate static electricity. The vacuum suction force can also be used in engine exhaust inspection.



Beverage Industry

Dereike's air knife system can 100% ensure removal of moisture from the bottles, and the production speed can range from 100 to 2000 bottles per minute. Dereike guarantees that there will be absolutely no residue.



Tire & Rubber Industry

Dereike air knife system can guarantee a 100% drying effect and will never allow moisture to affect the bonding quality. It can be widely used in the production of rubber, airtight window sealing strips, or other molded products.



成功案例 Successful Cases

取代压缩空气干燥系统

国内某知名轮圈公司，在轮圈涂装线使用一台 500HP 的空压机为水洗后的轮圈进行干燥，由于能耗惊人客户希望能够降低生产成本，我们经过仔细的评估后，向客户提出一套具体的解决方案，我们使用一台 DPT-300-22KW 的鼓风机，搭配六支德瑞科EA 标准型高效率均压风刀、一个一对六歧分风器及成套配管零件，成功取代原有的干燥系统，而且干燥效果比旧系统来的更好，更重要的是我们成功为客户省下巨额的能耗与电费。让客户感到非常满意。

One well-known domestic rims, originally in the round coil coating line using a 500 HP air compressor for the rims of the after wash and dry, with amazing customers want to be able to reduce production cost, energy consumption after we carefully evaluate, puts forward a set of specific solutions to the customer, we use a DPT-300-22KW blower, tie-in six Dereike EA standard high efficiency pressure air knife, a pair of six manifold and complete set of piping components, successfullyreplaced the original drying system, and the drying effect is better than the old system, for the success of the more importantthing is that we save vast amounts of energy and electricity. Let the customer feel very satisfied.

Parameters	Original Drying System	Dereike Air Knife Drying System
Air Source	Compressor	DPT Permanent Magnet Blower
Exhaust Power	500HP	30HP
Power Consumption	373KW	22KW
Electricity Consumption Cost Per Hour	¥317.00	¥187.00
Electricity Consumption Cost Per Day(20Hours)	¥6341.00	¥374.00
Electricity Consumption Cost Per Month(28Days)	¥177548.00	¥10472.00
Electricity Consumption Cost Per Year(12Months)	¥2130576.00	¥125664.00
Comparison	Using Dereike DPT Blower can save approximately: ¥2000000.00/Year	



成功案例

Successful Cases

替代高压鼓风机

国内某知名饮料公司，在套标机前安装了 4 台 7.5KW 的高压鼓风机与四支风刀，用于去除塑料瓶上的水份使套标作业能够顺利完成，由于高压鼓风机的低风速无法有效干燥瓶身，导致套标作业高返工率。我们经过仔细的评估后，向客户提出一套具体的解决方案，我们使用 2 台 DPT-85-7.5 的高速离心风机，搭配五支 KA 系列铝合金高效率均压风刀成功解决瓶身干燥问题同时成功为客户省下 15KW 的能耗。

One well-known domestic beverage giant, in front of the set of marking machine installed four 7.5KW ring blowers with four wind knife, used to remove moisture to make plastic bottles on the set of standard operation can be completed smoothly. Due to its low wind speed, the ring-blower can't effectively dry bottle, result in high rework rate of label assignments. We after careful evaluation, put forward a set of specific solutions to the customer, we use two DPT-85-7.5KW blowers, tie-in five Dereike aluminum alloy high efficiency pressure air knife. Successfully solve the problem of the bottle is dry. At the same time, success for clients to save 15 KW power consumption.

Blower Type	Side Channel Blower	Dereike DPT Blower
Power	7.5KW	7.5KW
Quantity	4	2
Total Power	30KW	15KW
Electricity Consumption Cost Per Hour	¥25.50	¥12.75
Electricity Consumption Cost Per Day(20Hours)	¥510.00	¥255.00
Electricity Consumption Cost Per Month(28Days)	¥14280.00	¥7140.00
Electricity Consumption Cost Per Year(12Months)	¥171360.00	¥85680.00
Comparison	Using Dereike DPT Blower can save approximately: ¥ 85600.00/Year	



成功案例 Successful Cases

钢铁厂冷轧板除油干燥

国内某大型钢厂，冷轧板连续生产线，生产冷轧板。原有风刀吹干系统采用高压风机进行除油吹除，使用 12.5KW 高压风机 4 台共计 50KW，配置 4 支长度为 1700mm 风刀，且效果不佳，能耗大，对冷轧板的产品品质造成了严重的影响。德瑞科应钢厂要求，经过现场勘查了解后，提供了专业的解决方案，配置德瑞科SA 系列不锈钢均压风刀 1700mm 两支，使用 2 台 DPT-100-11(11kw) 的高速离心风机替代，将原生产速度由 220m³/min 提升到 300m³/min 产能提升了 36.3%。既解决了吹干效果不佳的问题，确保了冷轧板的质量。也降低了能耗，提升了生产效率。汉克工程师还根据情况给钢厂工程师提出了采用一用一备的方案，避免原系统曾出现风机损坏，造成的巨额损失。

A large domestic steel mills, manufacture of continuous production line, the production manufacture. The original wind blow drying system with high pressure fan blow out oil removal, use fan 4 sets of a total of 50 KW, 12.5 kW high configuration four length is 1700 mm , and the effect is not good, big energy consumption, with the quality of the product manufacture caused serious influence. Our company at the request of steel mill, after a good understanding of the investigation, provides professional solutions and configuration Dereike SA series stainless steel pressure air knife was 1700, use two DPT-100-11(11kw) alternative high-speed centrifugal fan, the original production speed by 220 m/min to 300 m/min, production capacity increased by 36.3%. Already solved the problem of the poor performance of dry, ensure the quality of manufacture. Also reduces the energy consumption, improve the production efficiency, Our engineers also to steel mills engineer according to the circumstance put forward the scheme of one with a prepared to avoid the original system appeared fan damage , caused huge losses.

Blower Type	Side Channel Blower(with air knife)	DPT Blower (with air knife)
Power	12.5KW	11KW
Quantity	4	2
Power	50KW	22KW
Efficiency Improve	200m/min	300m/min
Total Power	50KW	22KW
Electricity Consumption Cost Per Hour	¥42.50	¥18.7
Electricity Consumption Cost Per Day(20Hours)	¥850.00	¥374.00
Electricity Consumption Cost Per Month(28Days)	¥23800.00	¥10472.00
Electricity Consumption Cost Per Year(12Months)	¥285600.00	¥125664.00
Comparison	Using Dereike DPT Blower can save approximately: ¥160000.00/Year	

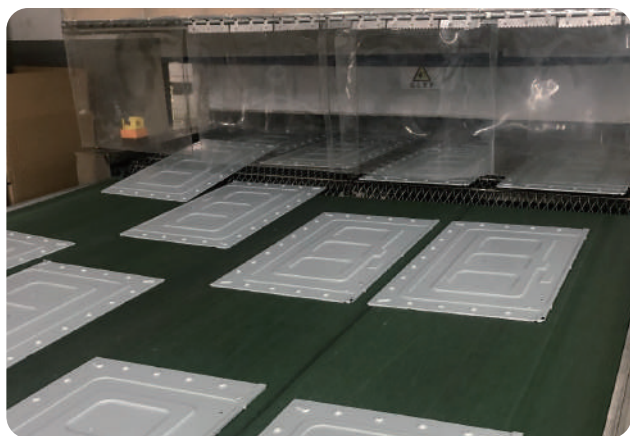


LCD金属背板吹干

德瑞科了解到国内的 LCD 生产厂商，无论是进口的背板清洗设备，还是国产背板清洗设备，均采用压缩空气、高压风机等作为气源进行吹干作业。往往就气源总功率都达到 100Kw 以上，且 LCD 金属背板的吹干的效果都只能勉强使用。在国内某大型电视配件生产商，原有吹干清洗生产线上，共安装了 12 台 7.5KW 的高压风机，并配置了 20 把长度为 800mm 长的风刀，吹干效果时好时坏，现场的操作人员无维护意识，安装了不合理的过滤系统，导致有时产品因空气的污染造成金属背板不良率提升，且高压风机容易损坏。为此德瑞科提供了高速风机与风刀系统，系统共配置了 3 台 DPT-100-11(11kw) 的高速离心风机，12 把 800mm 长的精密型风刀。背板的吹干效果有了显著提高，且根据现场的情况提供了高精度的过滤器，不仅能够确保高速风机系统的安全运行，也提高了空气源的洁净度，有效的提升了产品合格率，降低了生产成本。

Dereike learned domestic LCD manufacturers, whether imported back cleaning equipment, or domestic back cleaning equipment, adopt such as compressed air, high pressure fan as air blow drying operations. Often air total power of 100 kw or more, and LCD metal backboard dry effect are barely used. In a domestic large-scale TV accessories manufacturers, the existing dry cleaning production line, the total installed the 12 sets of 7.5 KW high pressure fan, and configure the 20 length is 800 mm long wind knife, blow drying effect and downs, the scene of the operating personnel without maintenance consciousness, in stalled the unreasonable filtration system, sometimes lead to products because of air pollution caused by the metal back defective rate, and high pressure fan is easy to damage. For Dereike provides high speed blower with the air knife system, system configuration the 3 sets of DPT-100-11(11kw) high speed blower, 12800 mm long precise wind knife. Back blow dry effect had significantly increased, and according to the site provides high precision filter, not only ensure the safe operation of high speed blower system, also improves the cleanliness of air source, can effectively enhance the qualified rate of products, and reduces the production cost.

System Named	Original Drying System	Dereike Blower & Air Knife System
Air Knife System	Normal Air Knife	SA Series Air Knife
Power	7.5KW	11KW
Quantity	12	3
Total Power	90KW	33KW
Electricity Consumption Cost Per Hour	¥76.50	¥28.05
Electricity Consumption Cost Per Day(20Hours)	¥1530.00	¥561.00
Electricity Consumption Cost Per Month(28Days)	¥42840.00	¥15708.00
Electricity Consumption Cost Per Year(12Months)	¥514080.00	¥188496.00
Comparison	Using Dereike DPT Blower can save approximately: ¥325600.00/Year	



产品系列

Product Overview



德瑞科高速离心风机
皮带式连接驱动

Dereike High-speed Centrifugal Blower
Belt-type connection drive



德瑞科DPT系列高速离心风机
变频器+高速永磁电机直接驱动

Dereike DPT Permanent Magnet Blower
VFD+Permanent magnet motor drive drive

德瑞科高速离心风机

采用皮带式连接驱动

超低能耗、超大风压、超高风速、超大流量等特点，能满足获得高风速的工况下且能兼备高风压和高风量。

功率范围：5.5~22.0Kw

流量范围：370~3400m³/h

压力范围：180~290mbar

DPT系列高速离心风机

采用变频器+高速永磁电机直接驱动

坚固耐用，高效永磁同步电机，高效节能，效率高达95%，比皮带式高速涡轮风机省电30%以上。

功率范围：5.5~22.0Kw

流量范围：350~2800m³/h

压力范围：300mbar

Dereike High-speed Centrifugal Blower

Belt-type connection drive

Features such as ultra-low energy consumption, extremely high wind pressure, extremely high wind speed, and extremely large flow rate can meet the requirements of obtaining high wind speed conditions while also ensuring high wind pressure and high air volume.

Power range: 5.5 - 22.0 Kw

Flow range: 370 - 3400 m³/h

Pressure range: 180 - 290 mbar

Dereike DPT Permanent Magnet Blower

VFD+Permanent magnet motor drive drive

Sturdy and durable, high-efficiency permanent magnet synchronous motor, highly energy-efficient, with an efficiency of up to 95%, it save s more than 30% electricity compared to belt-driven high-speed turbine fans.

Power range: 5.5 - 22.0 Kw

Flow range: 350 - 2800 m³/h

Pressure range: 300 mbar

德瑞科HANK系列高速离心风机 HANK Series High Speed Centrifugal Blowers



HANK Series High Speed Centrifugal Blowers

Advantage : With both high wind pressure and high air volume

The Dereike Hank series adopts the world's advanced fluid mechanics principles, featuring extremely low energy consumption, high wind pressure, high wind speed and large flow capacity. The impeller of the body can reach 13,000 - 24,000 R/min.

- Using IE2/IE3 motors, compatible with various international brand motors, with an efficiency of over 95%.
- Oil-free operation, without any oil contamination
- Impeller of the body can reach 13,000 - 24,000 R/min.
- Highly adaptable, with the surface coated with Teflon.
- Using genuine SKF and NSK bearings ensures smooth high-speed operation.
- Multiple air outlets are available for selection and the installation is convenient.
- Extra large air volume & Powerful energy saving (increased efficiency by 2-3 times and energy saved by over 60%)

德瑞科DPT系列高速离心风机

DPT Series permanent magnet turbo blower



德瑞科DPT系列高速离心风机优势在于：更高效且更加节能

德瑞科（DEREIKE）DPT 系列高速离心风机提供其他同类节能高速风机无与伦比的性能。经过 Airhank 海外研发团队数千次的反复优化和改进而成。我们重新设计了涡轮机叶轮和流道，比同类高速离心风机省电 30% 以上的。

- 电机标准配置 PT-100 温度传感器，可实时监控风机电机温度。
- 搭配“英威腾”品牌，高频同步变频器，变频范围 0-3200Hz，可选用延长线外接键盘。

Dereike DPT Permanent Magnet Turbo Blower Advantage : More efficient and more energy-saving

Dereike DPT series was developed through thousands of optimizations & improvements by our team. We redesigned blades and flow channels, resulting in an electricity-saving efficiency that is over 30% higher than that of normal blowers.

- Motor equipped with PT-100 temperature sensor
- Equipped with INVT frequency converter, the frequency range is 0 - 3200 Hz.

德瑞科DPT系列高速离心风机产品优势

DPT Series High Speed Centrifugal Blowers Advantage

For any customer, a sturdy and durable, cost-effective Air Knife System should offer good drying performance, the most energy-efficient operation and the lowest maintenance costs.

■ Excellent Operational Efficiency ($\geq 85\%$)

Dereike DPT Blower has a air volume that is over 30% higher than that of other similar high-speed centrifugal fans under the same power and pressure conditions.

■ Lower energy consumption

Dereike DPT-85 (7.5kW) operates at the equivalent level of the HANK-100 (11kW), which means it can save approximately 25,000 kWh of electricity annually.

■ Commitment effect

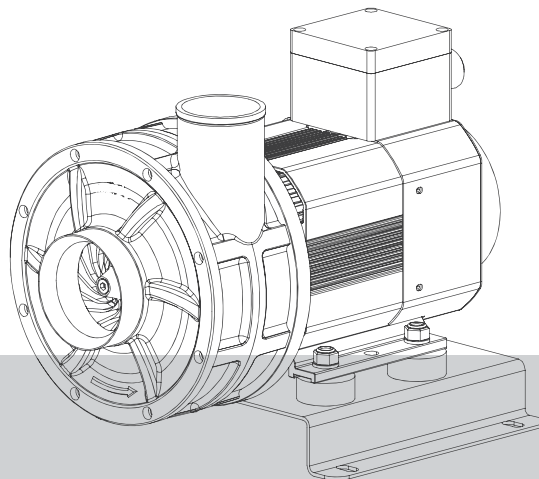
Dereike has a technical team with over 15 years of experience in air knife drying. They can customize air knife drying systems according to the different application conditions of each customer, and 100% meet the requirements of every customer.

■ Longer Working Life

Dereike DPT series is equipped with Permanent Magnet Motor and VFD drive, without any vulnerable components such as belts or tensioning wheels.

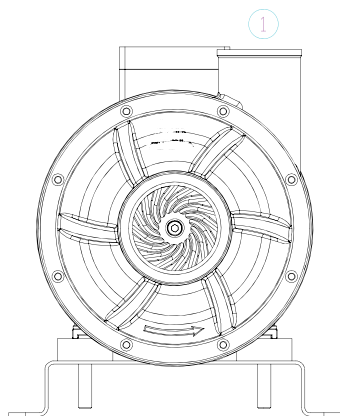
■ Wide Applications

Dereike DPT series has a volume and weight that is only 50% of that of belt-driven fans. It can be equipped with IE3 and IE4 motors. Special models can withstand temperatures up to 200 °C and can still operate when absorbing steam.

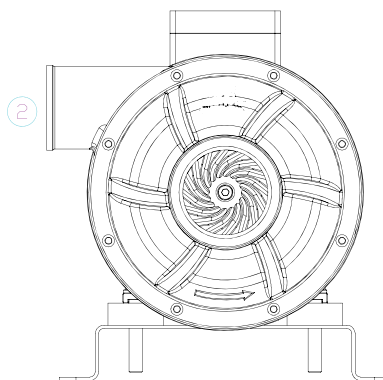


德瑞科DPT系列高速离心风机出风口位置 *Air Outlet Position*

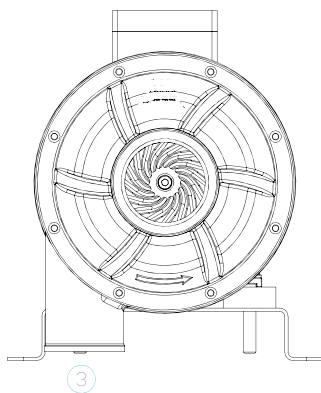
Dereike DPT Permanent Magnet Turbo Blower Customized Outlet



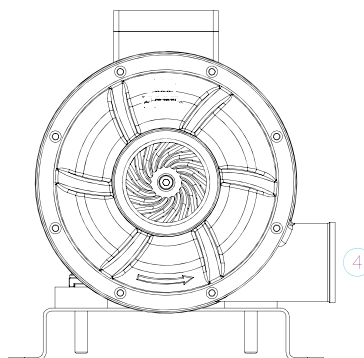
Air Outlet Facing Upwards (Code:N)



Air Outlet Facing Left (Code:L)



Air Outlet Facing Downwards (Code:T)



Air Outlet Facing Right (Code:R)

■ Tips

When installing and using the DPT series high-speed centrifugal fans of Dereike, it is necessary to carefully consider the on-site installation space. Based on the installation space, the piping and wiring should be reasonably arranged. To facilitate your design and installation, the DPT series high-speed centrifugal fans of Drexco provide flexible and diverse outlet positions for you to choose from.

德瑞科DPT系列高速离心风机产品与附件 DPT Series Products And Attachments



DPT Series Permanent Magnet Turbo Blower



Frequency Converter



Sound suppressor



Inlet Filter



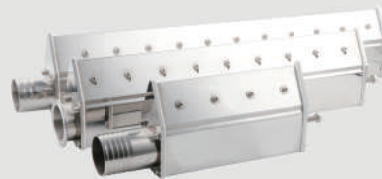
Pressure Gauge



Air Distributor



Aluminum Alloy Air Knife



Stainless Steel Air Knife

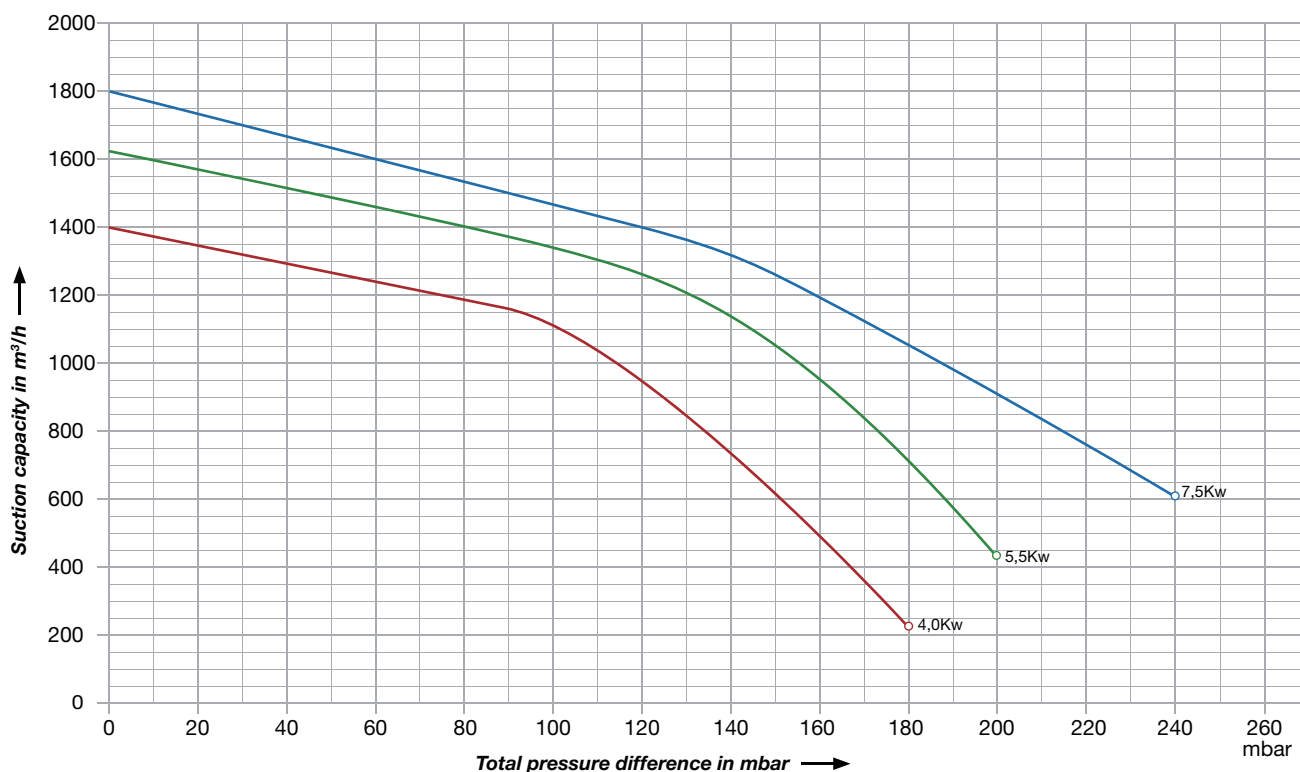
德瑞科DPT-65/70/85高速离心风机

DPT-65/70/85 High Speed Centrifugal Blowers

技术参数(Technical Parameter)

型号(Model Type)	DPT-65-4	DPT-70-5.5	DPT-85-7.5
功率(Power)	4.0KW	5.5KW	7.5KW
压力/真空(Pressure/Vacuum)	180mbar / -160mbar	200mbar / -180mbar	240mbar / -200mbar
流量(Airflow)	1400m³/h	1620m³/h	1800m³/h
额定转数(rpm)	15000rpm	16800rpm	18000rpm
额定频率(Frequency)	500Hz	560Hz	600Hz
额定电流(Current)	10.8A	14.5A	16.0A
变频器配置(Variable Frequency Drives)	4.0Kw/50Hz/380V	5.5Kw/50Hz/380V	7.5Kw/50Hz/380V
出风口尺寸(Inlet)	76mm(3")	76mm(3")	76mm(3")
进风口尺寸(Outlet)	102mm(4")	102mm(4")	102mm(4")
噪音(Sound Level)	79dA	80dA	82dA
重量(Weight)	32Kg	33Kg	33Kg

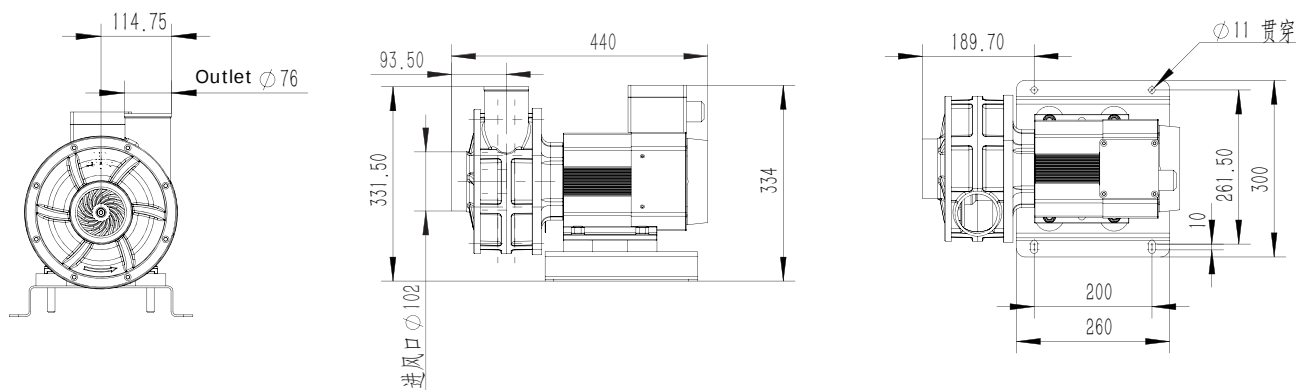
性能曲线(Performance Curve)



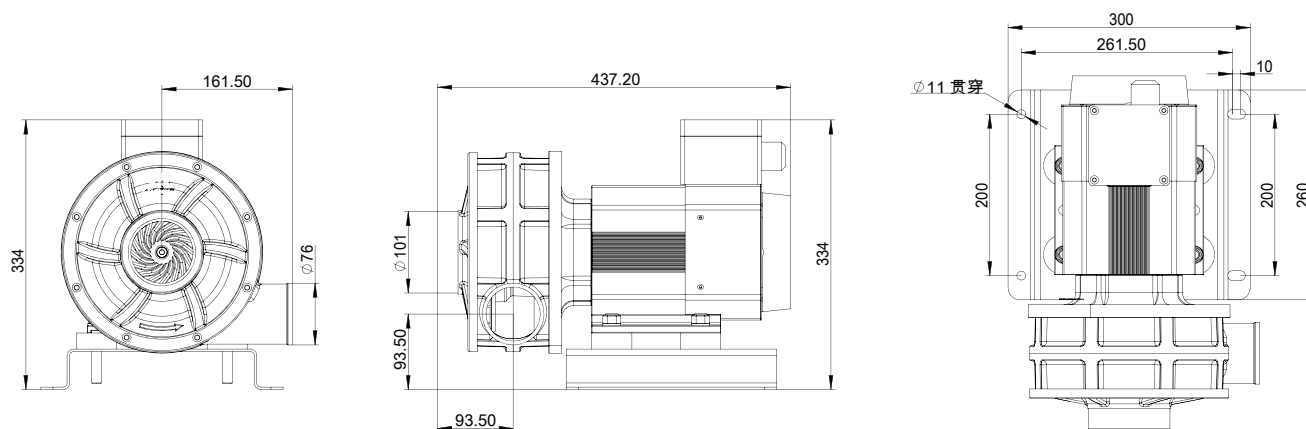
德瑞科DPT-65/70/85高速离心风机安装尺寸

DPT-65/70/85 Installation Dimension

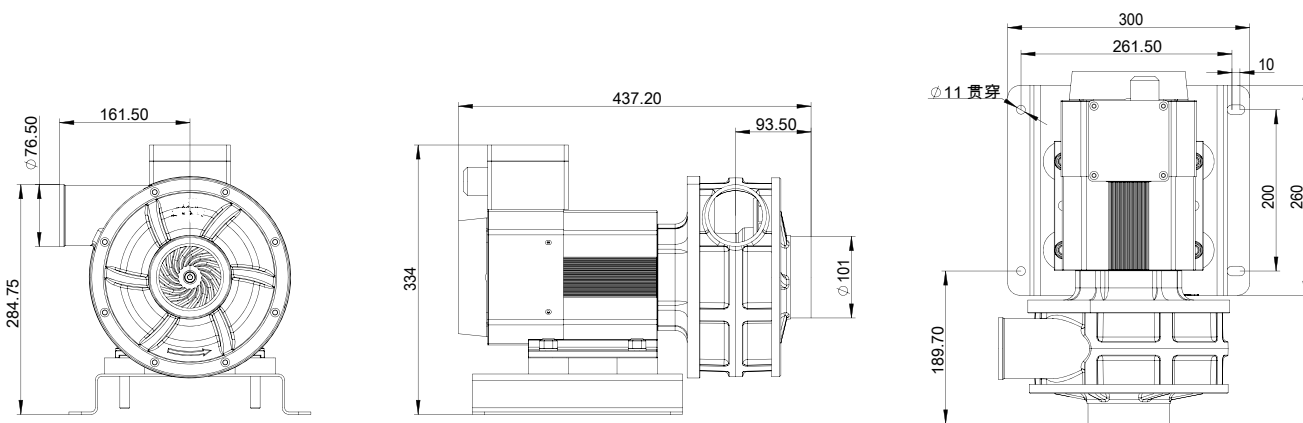
Air Outlet Facing Upwards



Air Outlet Facing Right



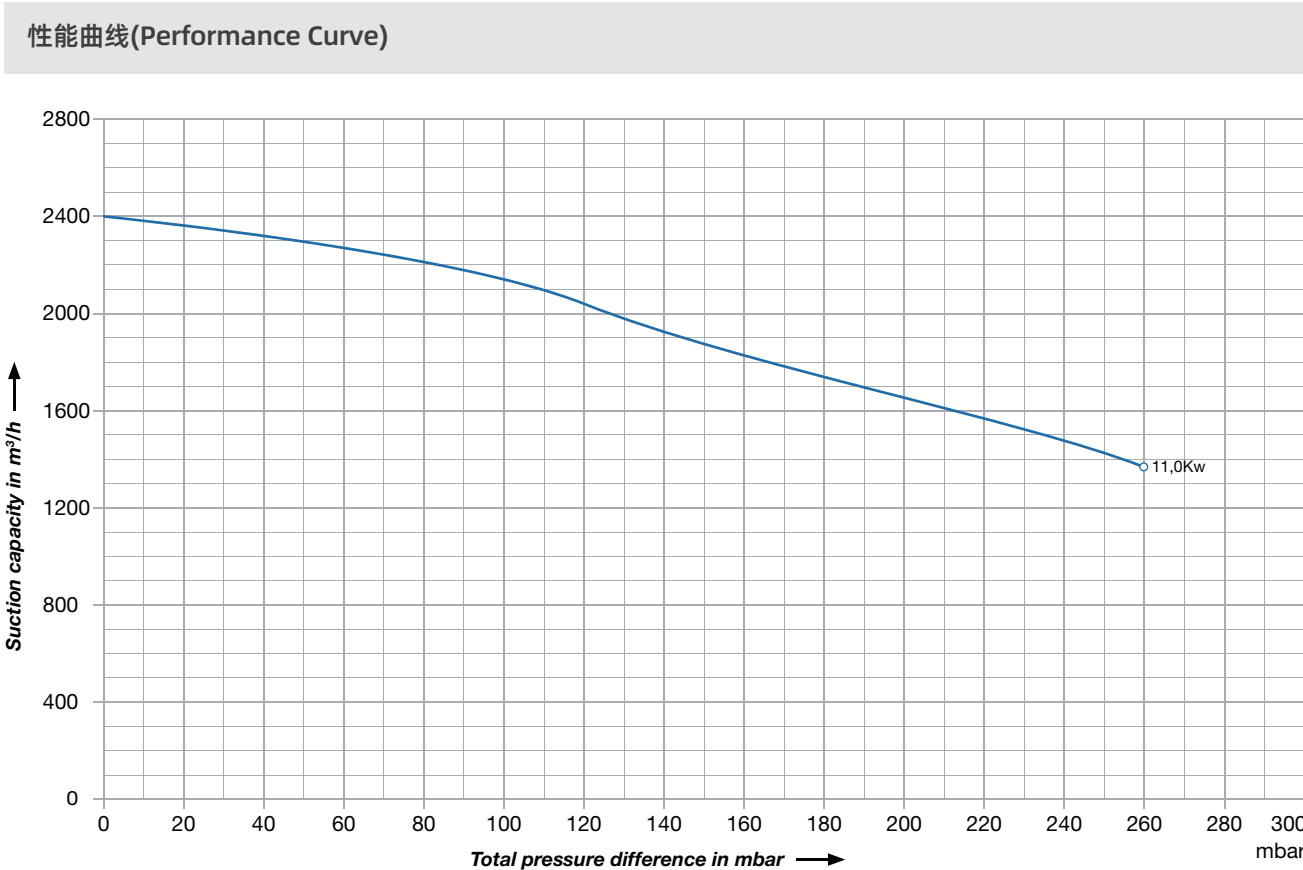
Air Outlet Facing Left



德瑞科DPT-100高速离心风机

DPT-100 High Speed Centrifugal Blowers

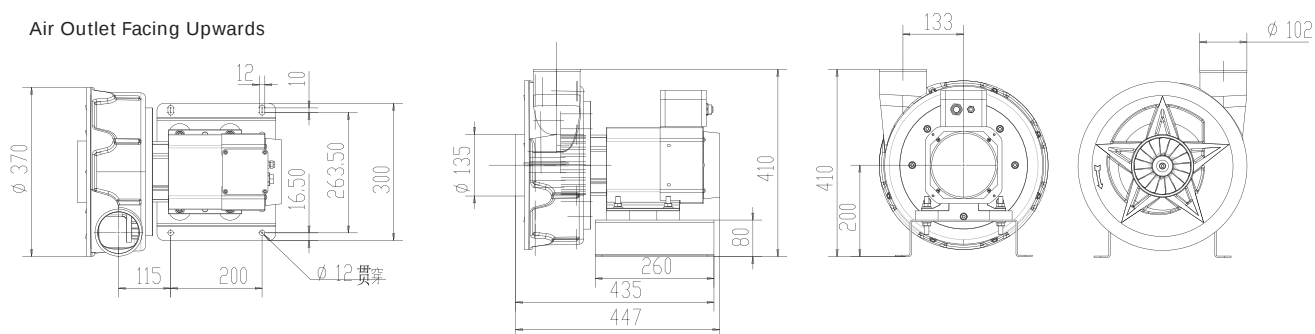
技术参数(Technical Parameter)	
型号(Model Type)	DPT-100-11
功率(Power)	11.0KW
压力/真空(Pressure/Vacuum)	260mbar / -200mbar
流量(Airflow)	2400m³/h
额定转数(rpm)	18000rpm
额定频率(Frequency)	600Hz
额定电流(Current)	23.0A
变频器配置(Variable Frequency Drives)	11.0Kw/50Hz/380V
出风口尺寸(Inlet)	102mm(4")
进风口尺寸(Outlet)	135
噪音(Sound Level)	83dA
重量(Weight)	43Kg



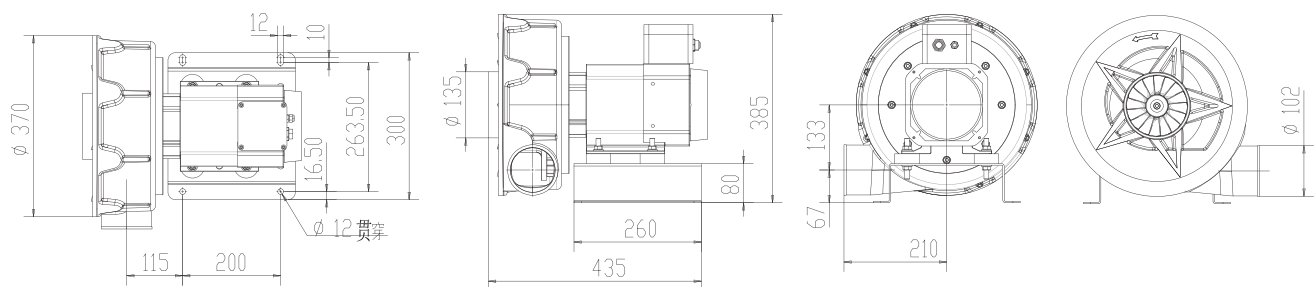
德瑞科DPT-100高速离心风机安装尺寸

DPT-100 Installation Dimension

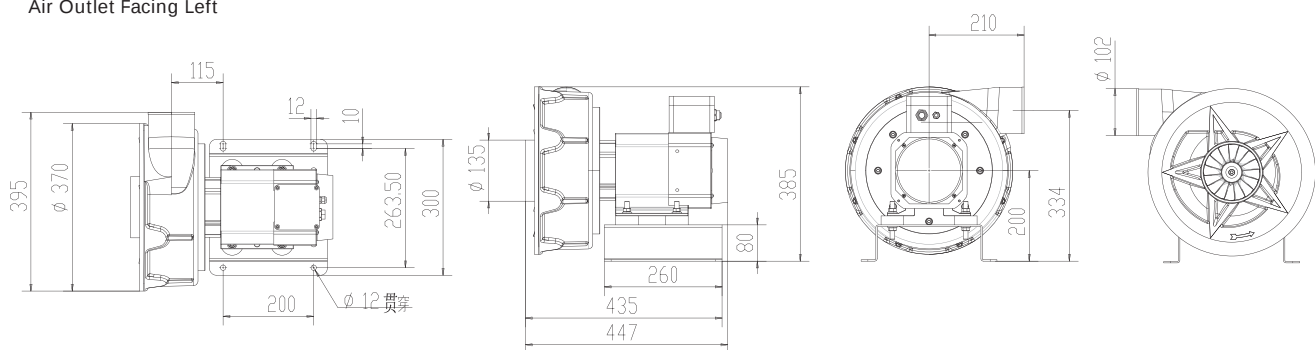
Air Outlet Facing Upwards



Air Outlet Facing Right



Air Outlet Facing Left



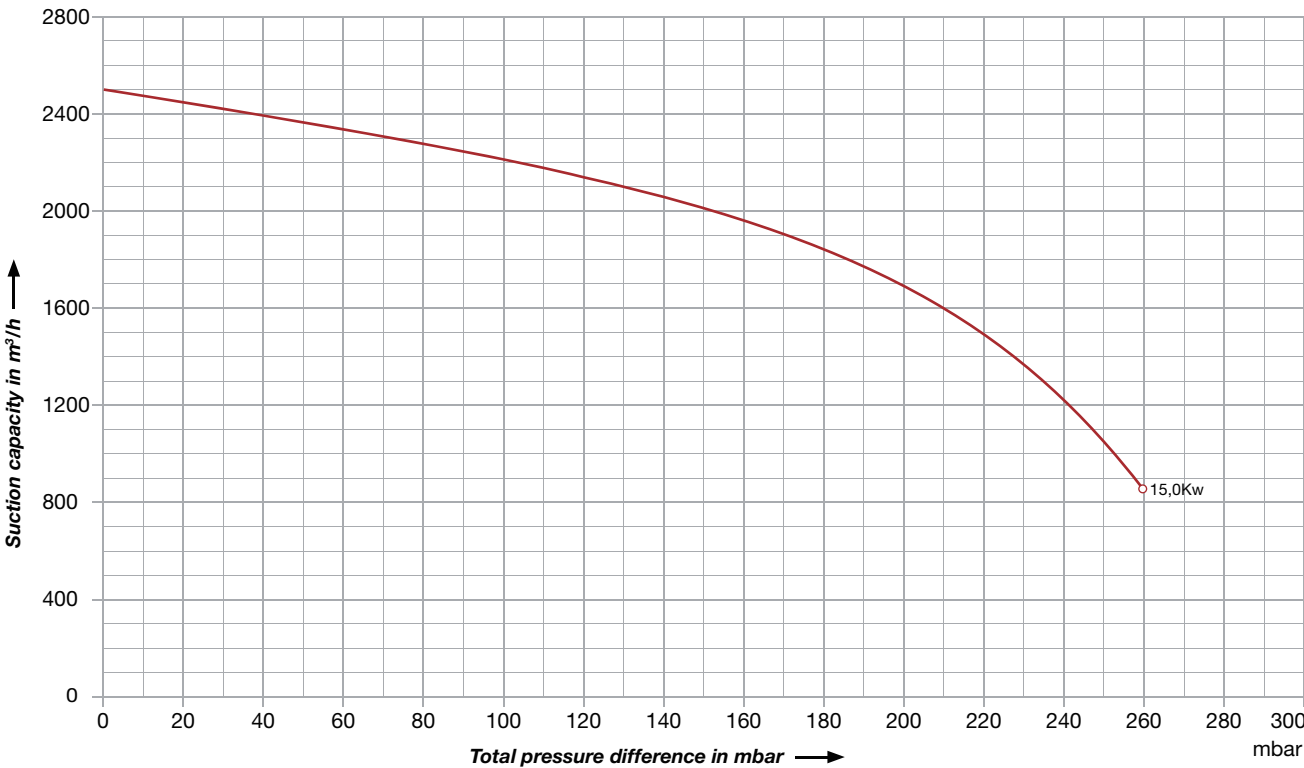
德瑞科DPT-150高速离心风机

DPT-150 High Speed Centrifugal Blowers

技术参数(Technical Parameter)

型号(Model Type)	DPT-150-15
功率(Power)	15.0KW
压力/真空(Pressure/Vacuum)	260mbar / -240mbar
流量(Airflow)	2500m³/h
额定转数(rpm)	18900rpm
额定频率(Frequency)	630Hz
额定电流(Current)	33.5A
变频器配置(Variable Frequency Drives)	15.0Kw/50Hz/380V
出风口尺寸(Inlet)	102mm(4")
进风口尺寸(Outlet)	135mm
噪音(Sound Level)	83dA
重量(Weight)	45Kg

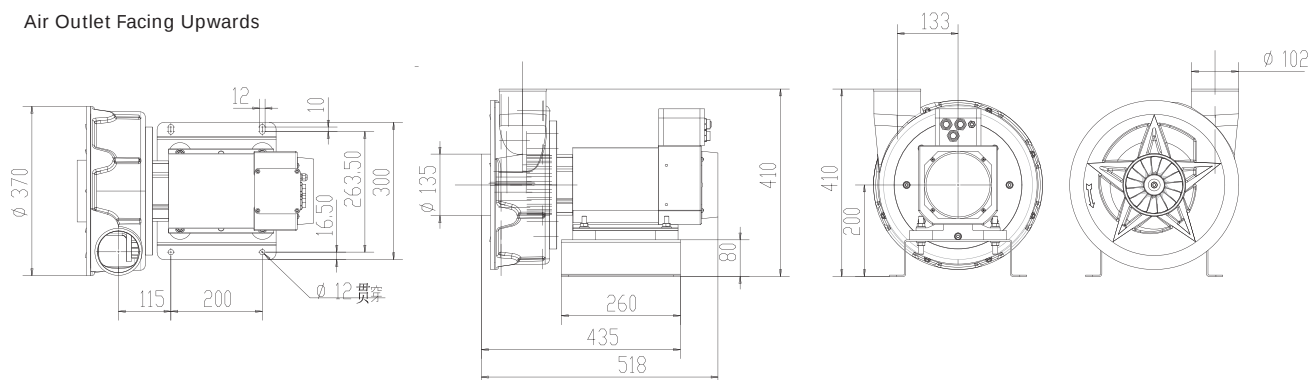
性能曲线(Performance Curve)



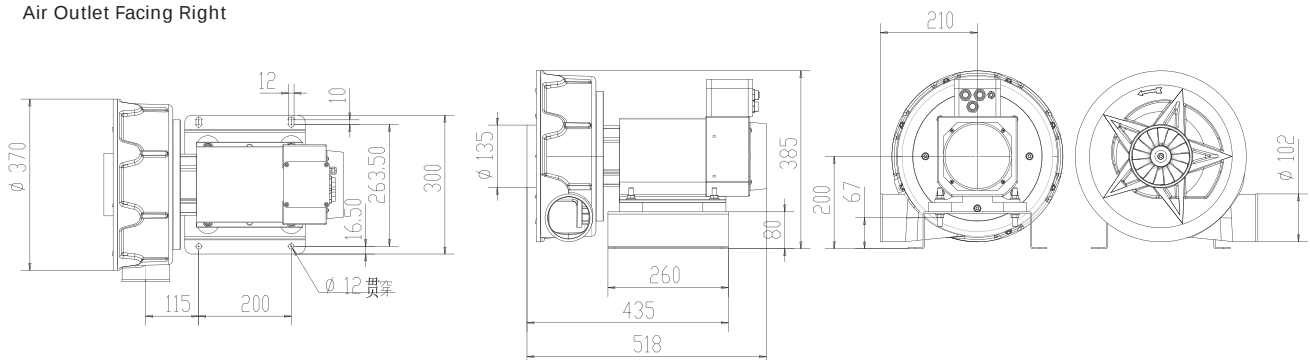
德瑞科DPT-150高速离心风机安装尺寸

DPT-150 Installation Dimension

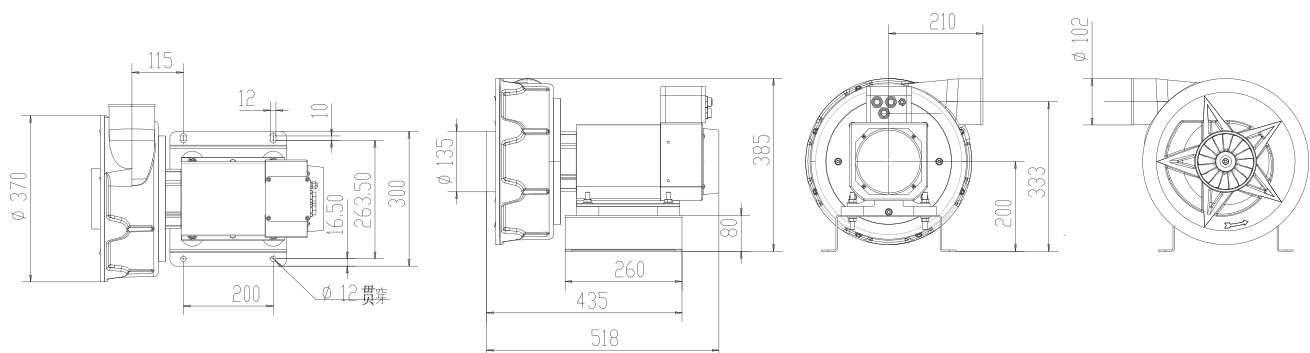
Air Outlet Facing Upwards



Air Outlet Facing Right



Air Outlet Facing Left



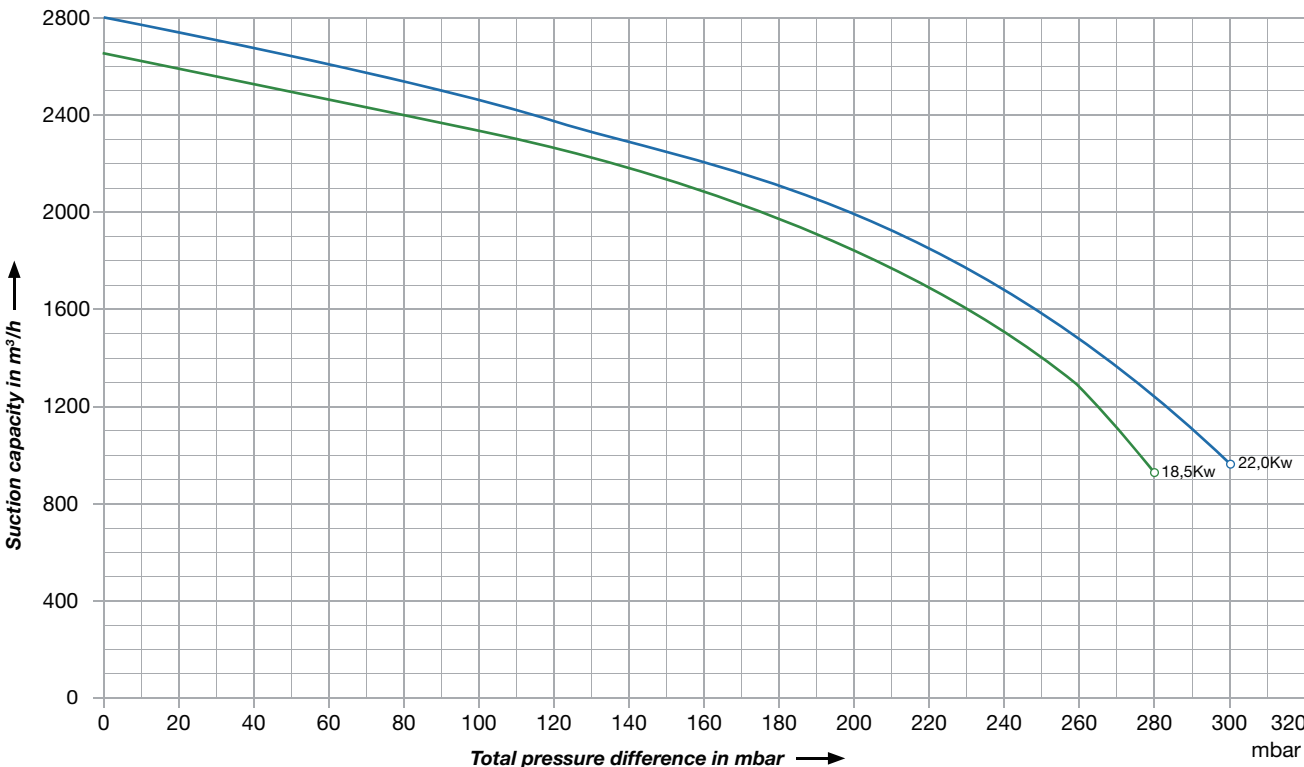
德瑞科DPT-200/300高速离心风机

DPT-200/300 High Speed Centrifugal Blowers

技术参数(Technical Parameter)

型号(Model Type)	DPT-200-18.5	DPT-300-22
功率(Power)	18.5KW	22.0KW
压力/真空(Pressure/Vacuum)	280mbar / -260mbar	300mbar / -280mbar
流量(Airflow)	2650m³/h	2800m³/h
额定转数(rpm)	19500rpm	21000rpm
额定频率(Frequency)	650Hz	700Hz
额定电流(Current)	38.7A	45.0A
变频器配置(Variable Frequency Drives)	18.5Kw/50Hz/380V	22.0Kw/50Hz/380V
出风口尺寸(Inlet)	102mm(4")	102mm(4")
进风口尺寸(Outlet)	135mm	135mm
噪音(Sound Level)	85dA	85dA
重量(Weight)	48Kg	48Kg

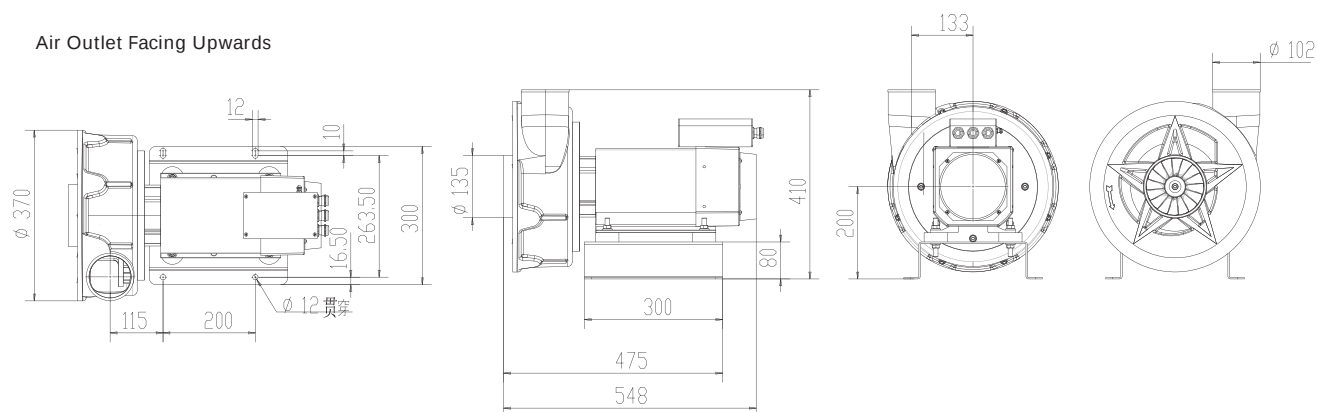
性能曲线(Performance Curve)



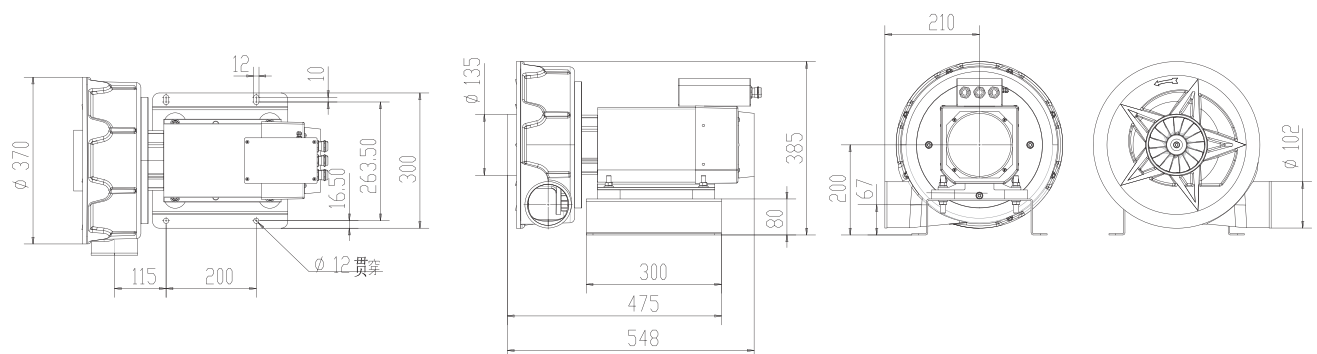
德瑞科DPT-200/300高速离心风机安装尺寸

DPT-200/300 Installation Dimension

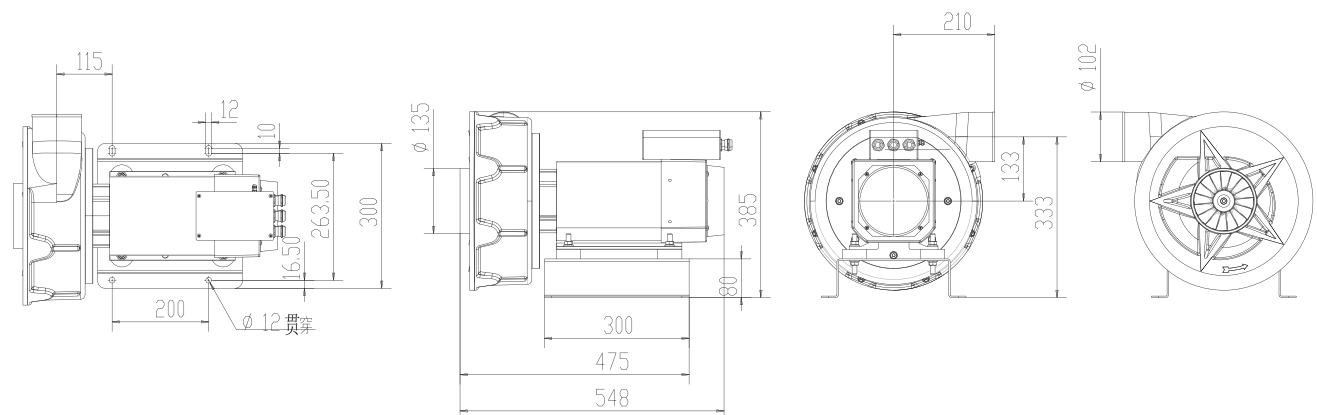
Air Outlet Facing Upwards



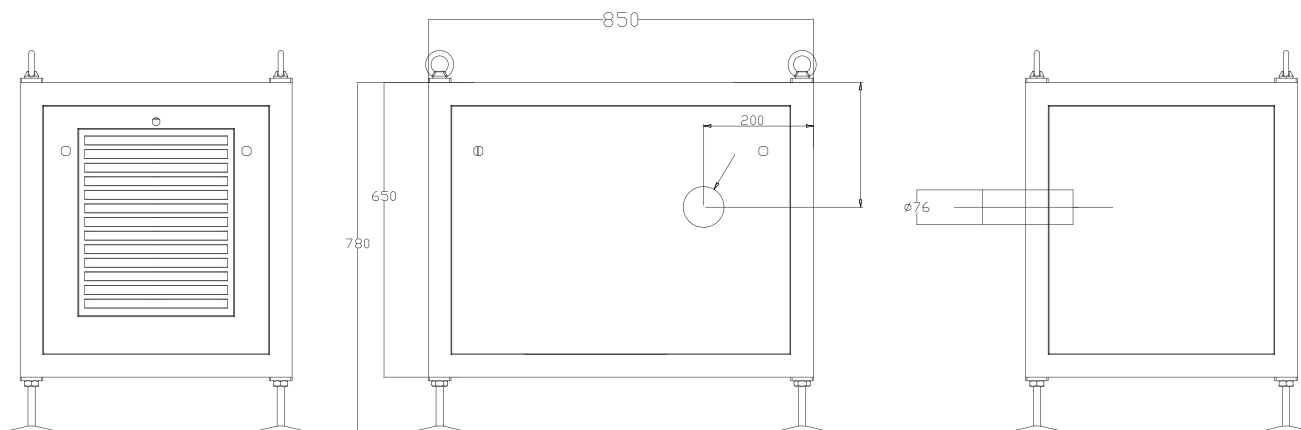
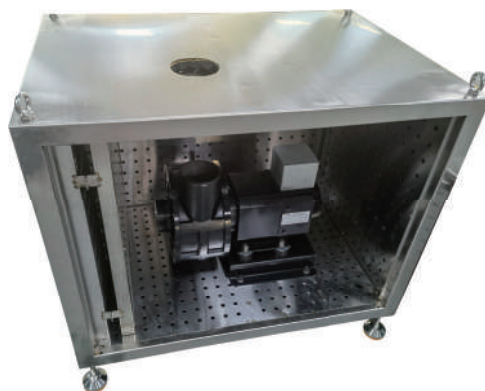
Air Outlet Facing Right



Air Outlet Facing Left



德瑞科DPT系列高速离心风机隔音箱 Silencing Box



■Function

Noise level of the Blower can be controlled within 85 dB.

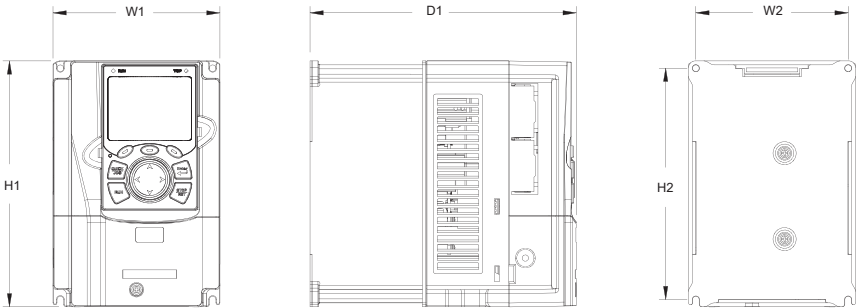
■Features

1. Professional sound insulation structure design
2. Professional design with elegant appearance
3. Quick filter replacement, small installation volume.
4. The material options include SUS-304 stainless steel or carbon steel, etc.
5. Select Rohs-certified sound insulation materials.

* Actual installation dimensions need to be confirmed with Dereike.

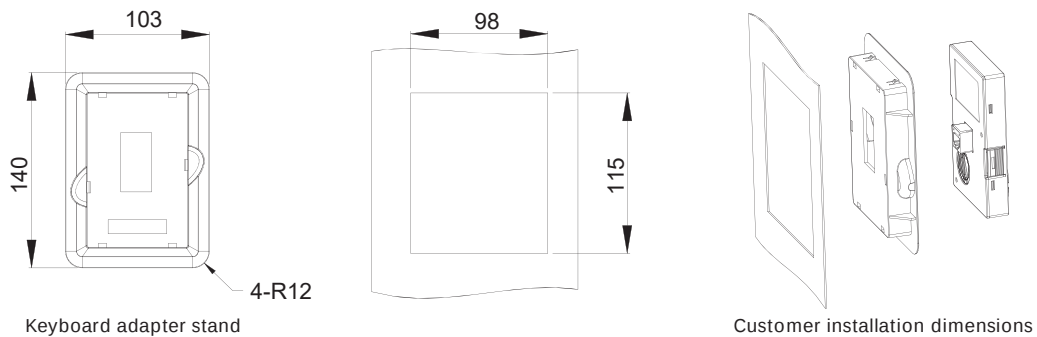
德瑞科DPT系列高速离心风机变频器安装尺寸

Inverter installation size



型号(Model Type)	W1	W2	H1	H2	D1	Installation Aperture	Fixed Screw
4KW~5.5KW	126	115	186	175	201	5	M4
7.5KW	146	131	256	243.5	192	6	M5
11KW~15KW	170	151	320	303.5	220	6	M5
18.5KW~22KW	200	185	340.6	328.6	208	6	M5

键盘支架安装开孔尺寸及示意图
Keyboard stand installation dimension diagram



Keyboard mounting bracket (optional) drawing

德瑞科高速离心风机产品优势

High Speed Centrifugal Blowers

For any customer, a sturdy and durable, cost-effective Air Knife System should offer good drying performance, the most energy-efficient operation and the lowest maintenance costs.

■ Ultra-low Energy Consumption

Power consumption of Dereike High Speed Centrifugal Blowers is 1/3 that of side-channel blower. They are equipped with IE2/IE3 motors and have an efficiency of over 95%.

■ Extra Large Air Volume

Dereike High Speed Centrifugal blower employs a turbine based on the principle of aircraft engines, with an operating speed ranging from 13,000 to 28,400 rpm. Its flow rate is three times that of a side-channel blower with the same power.

■ Commitment Effect

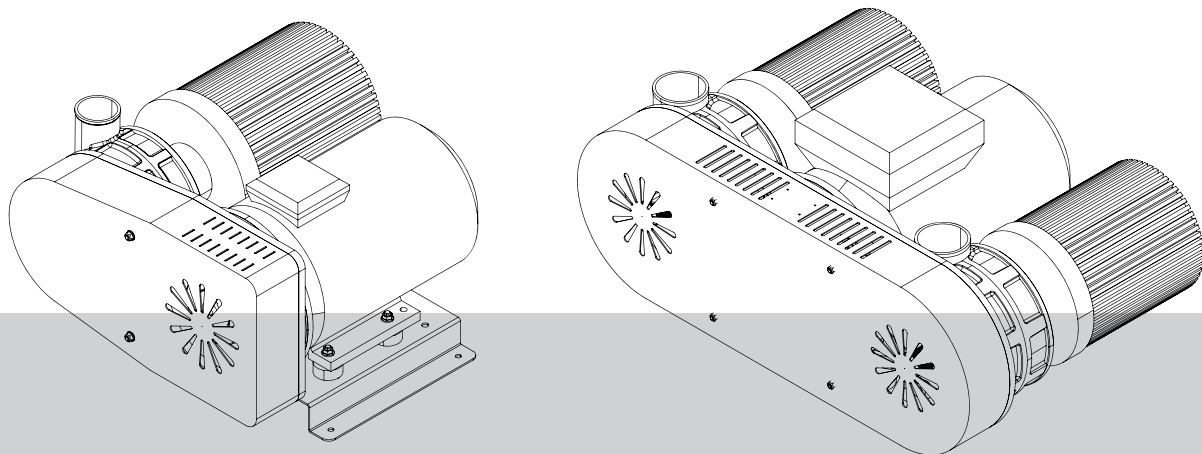
Dereike has a technical team with over 15 years of experience in air knife drying. They can customize air knife drying systems according to the different application conditions of each customer, and 100% meet requirements of every customer.

■ High Performance-price Ratio

Dereike air knife can increase the production efficiency of customers by 2 to 3 times, while saving more than 60% of electricity and rapidly reducing the operating costs of the equipment.

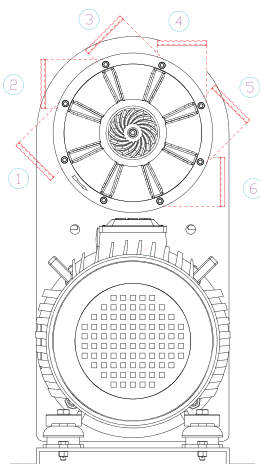
■ Durable

Dereike adheres to German research and development technologies and processes. Each component is sourced from carefully selected manufacturers to ensure the durability and precision of our products.



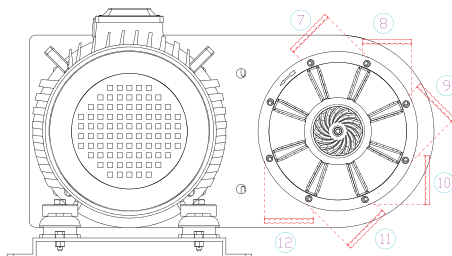
德瑞科高速离心风机出风口位置 Air Outlet Position

Dereike High Speed Centrifugal Blower Single Pump Head



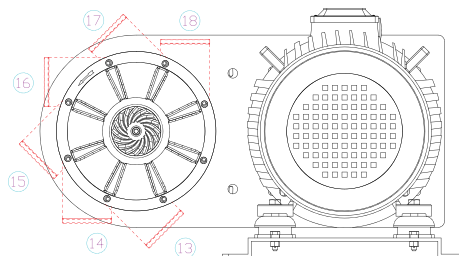
单泵头立式

Single Pump Vertical



单泵头右侧

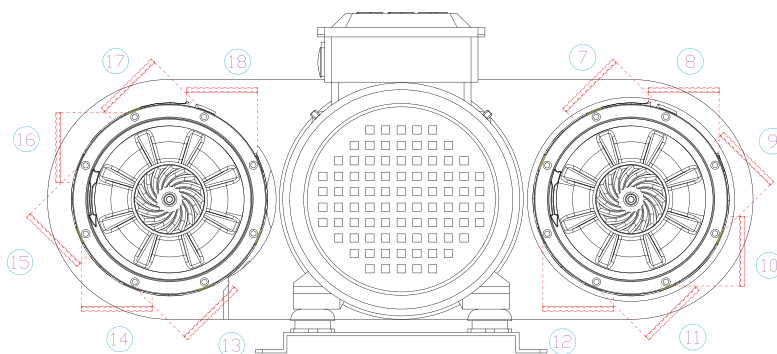
Single Pump Right



单泵头左侧

Single Pump Left

Dereike High Speed Centrifugal Blower Double Pump Head



双泵头方向

Directions of two pump heads

德瑞科HANK-70高速离心风机

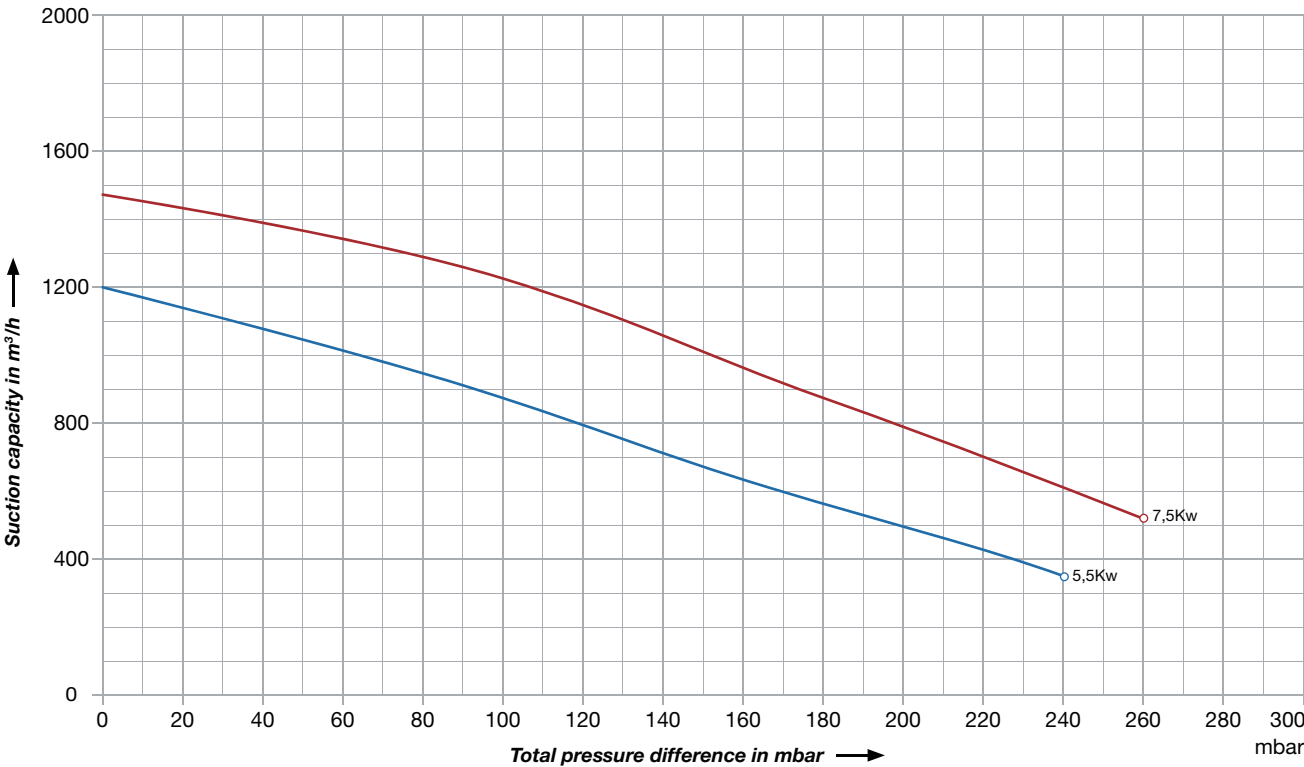
HANK-70 High Speed Centrifugal Blowers



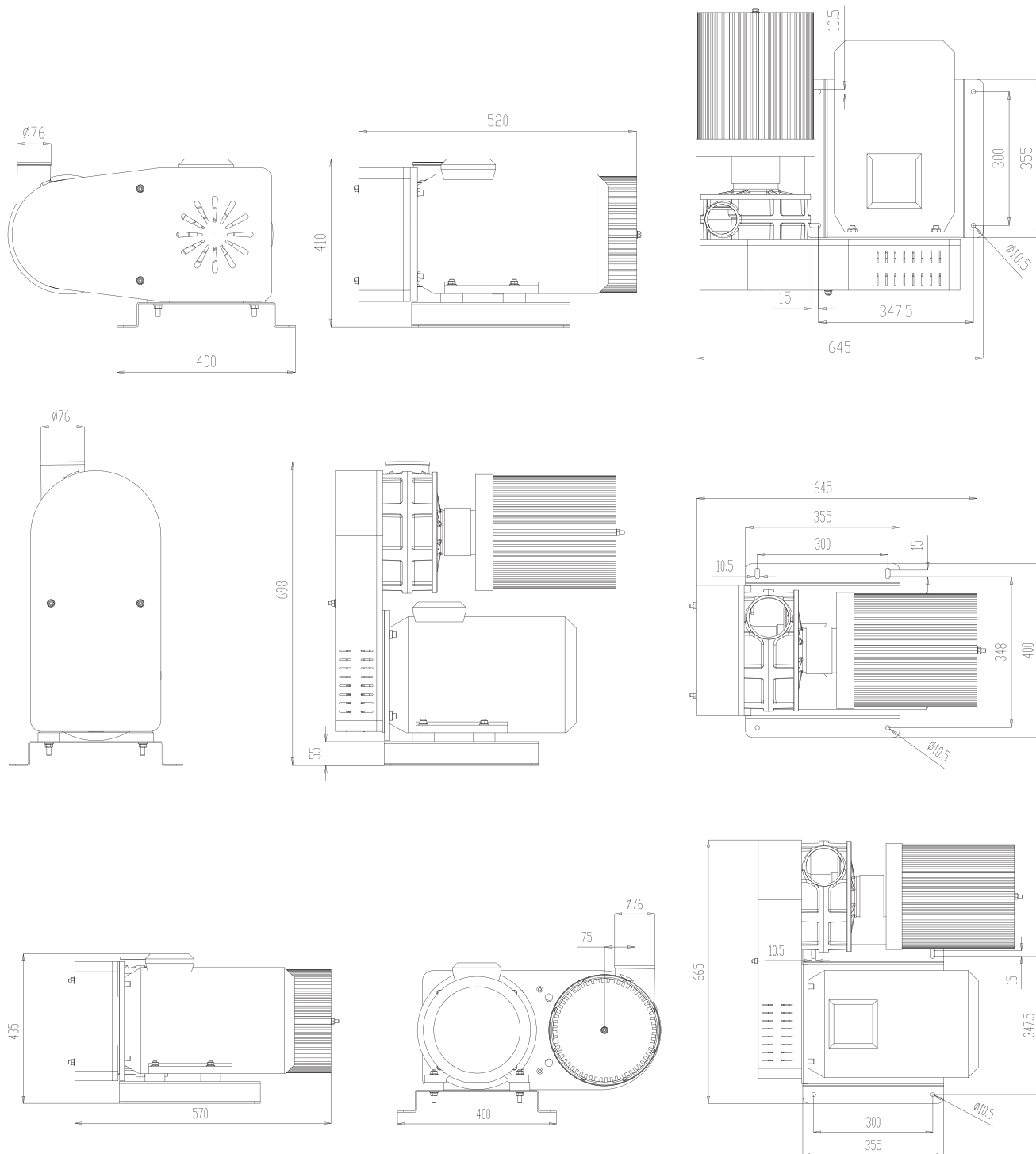
技术参数(Technical Parameter)

型号(Model Type)	标准 Standard	功率 Power	流量 Airflow	吹力 Pressure	吸力 Vacuum	重量 Weight	环境温度 Ambient temperature	进气温度 inlet temperature	设计形式 Design type
HANK-70-5.5	IEC/NEMA	5.5KW	1200m³/h	240mbar	-220 mbar	91Kg	-12°C~40°C	<52°C	单泵体
HANK-70-7.5	IEC/NEMA	7.5KW	1470m³/h	260mbar	-225 mbar	101Kg	-12°C~40°C	<52°C	单泵体

性能曲线(Performance Curve)



德瑞科HANK-70高速离心风机安装尺寸 HANK-70 Installation Dimension



德瑞科HANK-85高速离心风机

HANK-85 High Speed Centrifugal Blowers



卧式

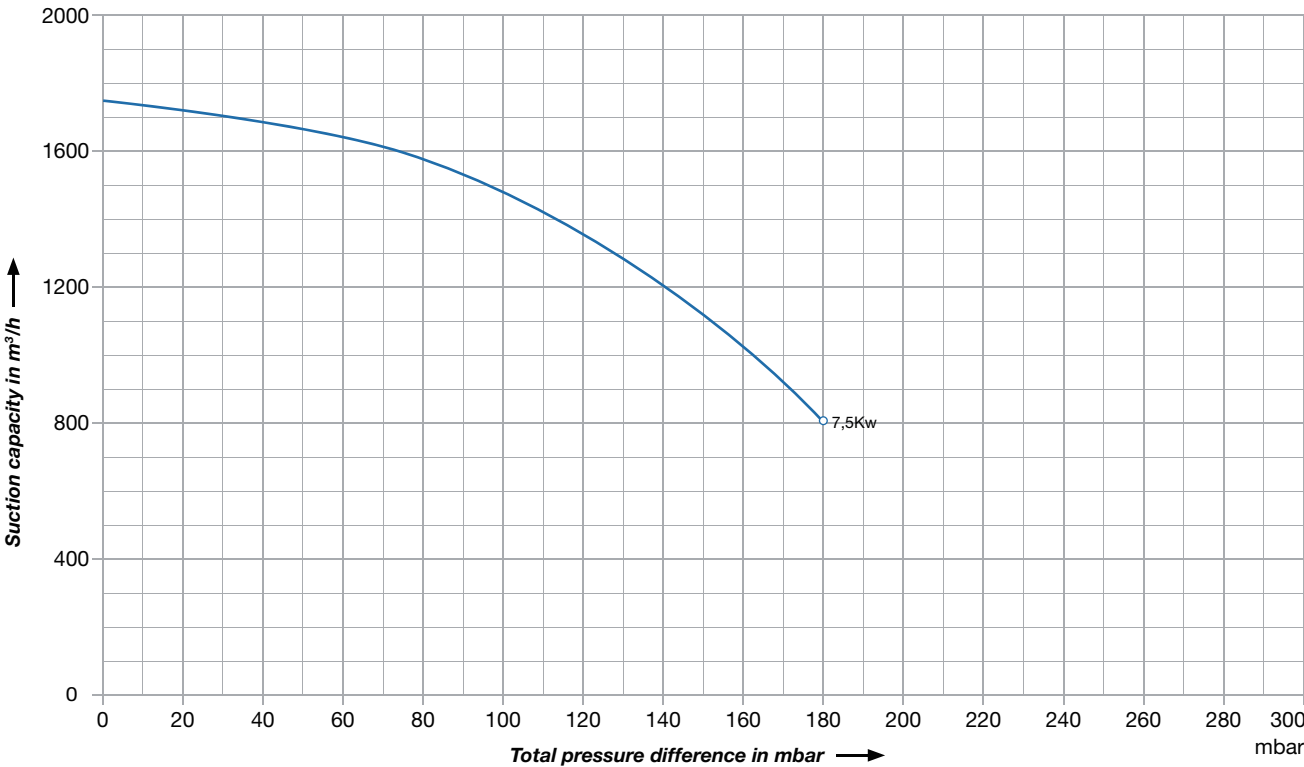


立式

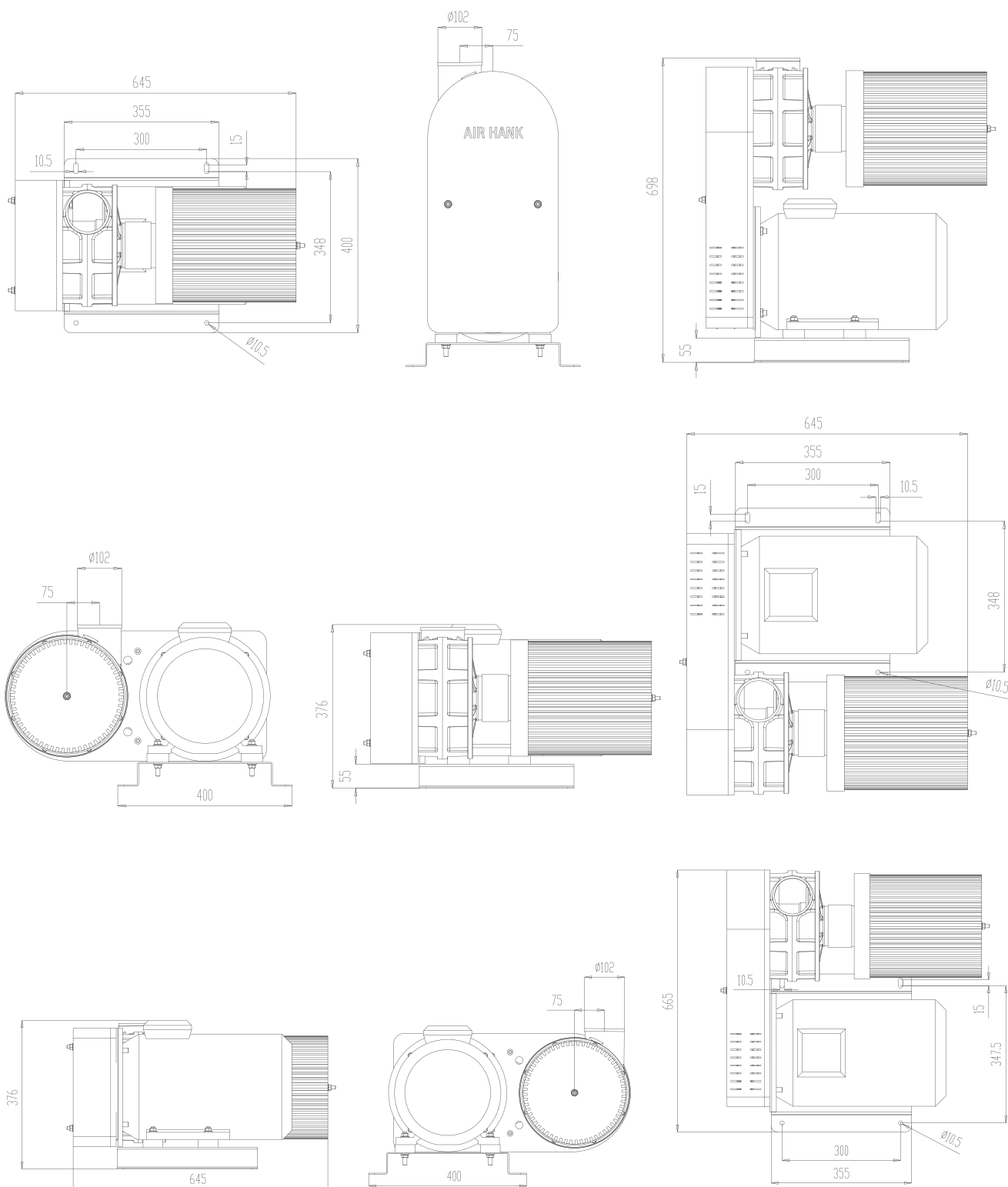
技术参数(Technical Parameter)

型号(Model Type)	标准 Standard	功率 Power	流量 Airflow	吹力 Pressure	吸力 Vacuum	重量 Weight	环境温度 Ambient temperature	进气温度 inlet temperature	设计形式 Design type
HANK-85-7.5	IEC/NEMA	7.5KW	1700m³/h	180mbar	-170 mbar	103Kg	-12°C~40°C	<52°C	单泵体

性能曲线(Performance Curve)



德瑞科HANK-85高速离心风机安装尺寸 HANK-85 Installation Dimension



德瑞科HANK-100高速离心风机

HANK-100 High Speed Centrifugal Blowers



卧式 Horizontal

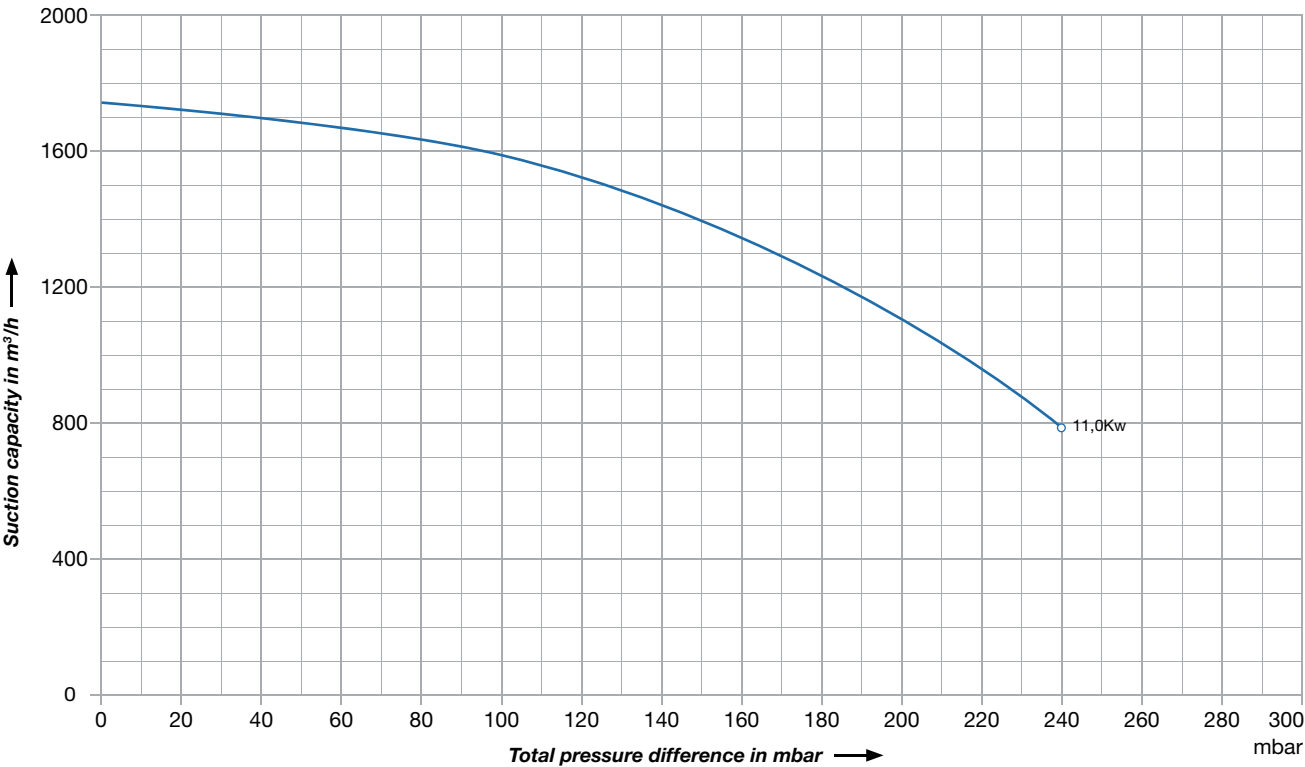


立式 Vertical

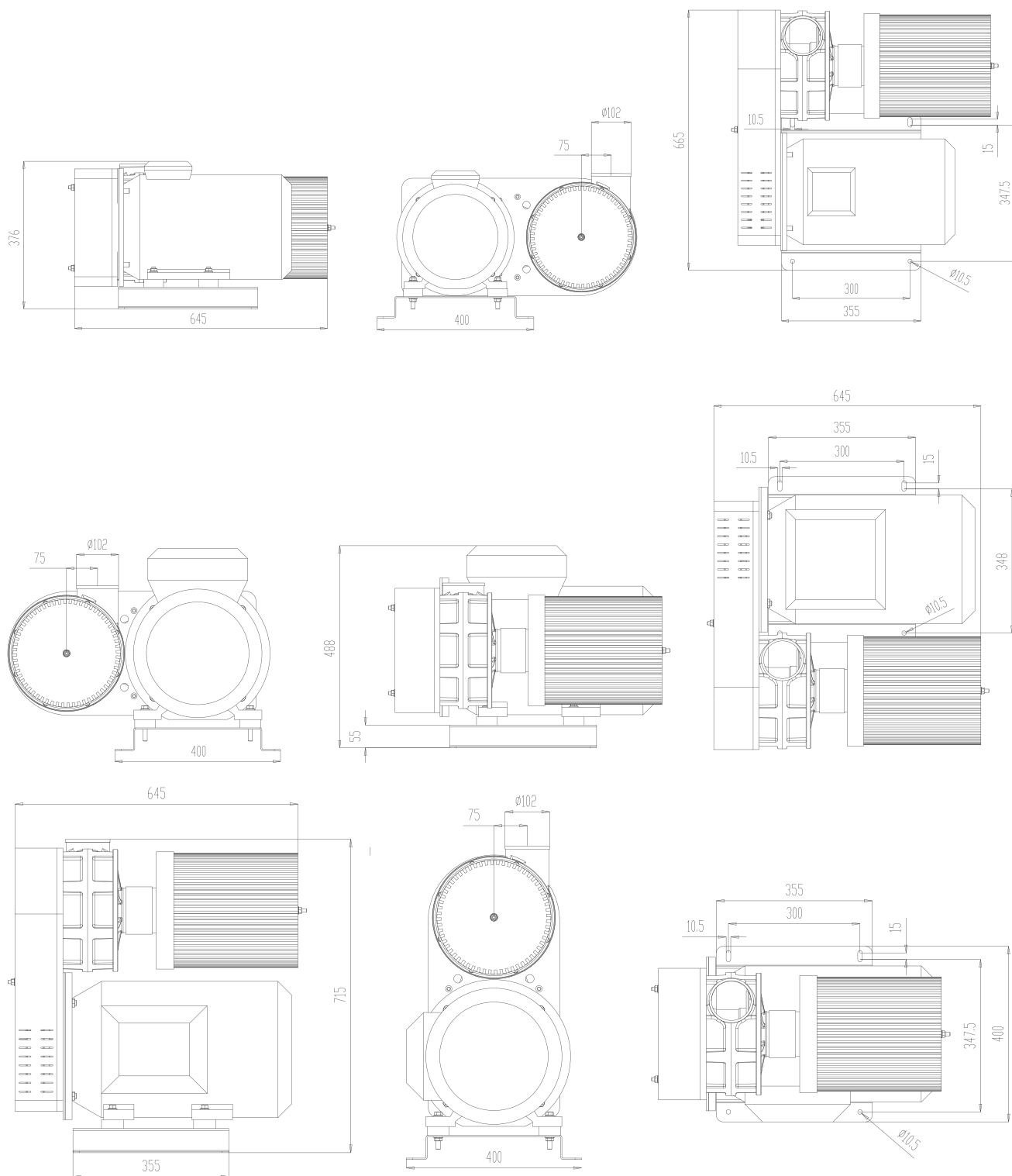
技术参数(Technical Parameter)

型号(Model Type)	标准 Standard	功率 Power	流量 Airflow	吹力 Pressure	吸力 Vacuum	重量 Weight	环境温度 Ambient temperature	进气温度 inlet temperature	设计形式 Design type
HANK-100-11	IEC/NEMA	11KW	1700m³/h	240mbar	-220mbar	140Kg	-12°C~40°C	<52°C	单泵体

性能曲线(Performance Curve)



德瑞科HANK-100高速离心风机安装尺寸 HANK-100 Installation Dimension



德瑞科HANK-150高速离心风机

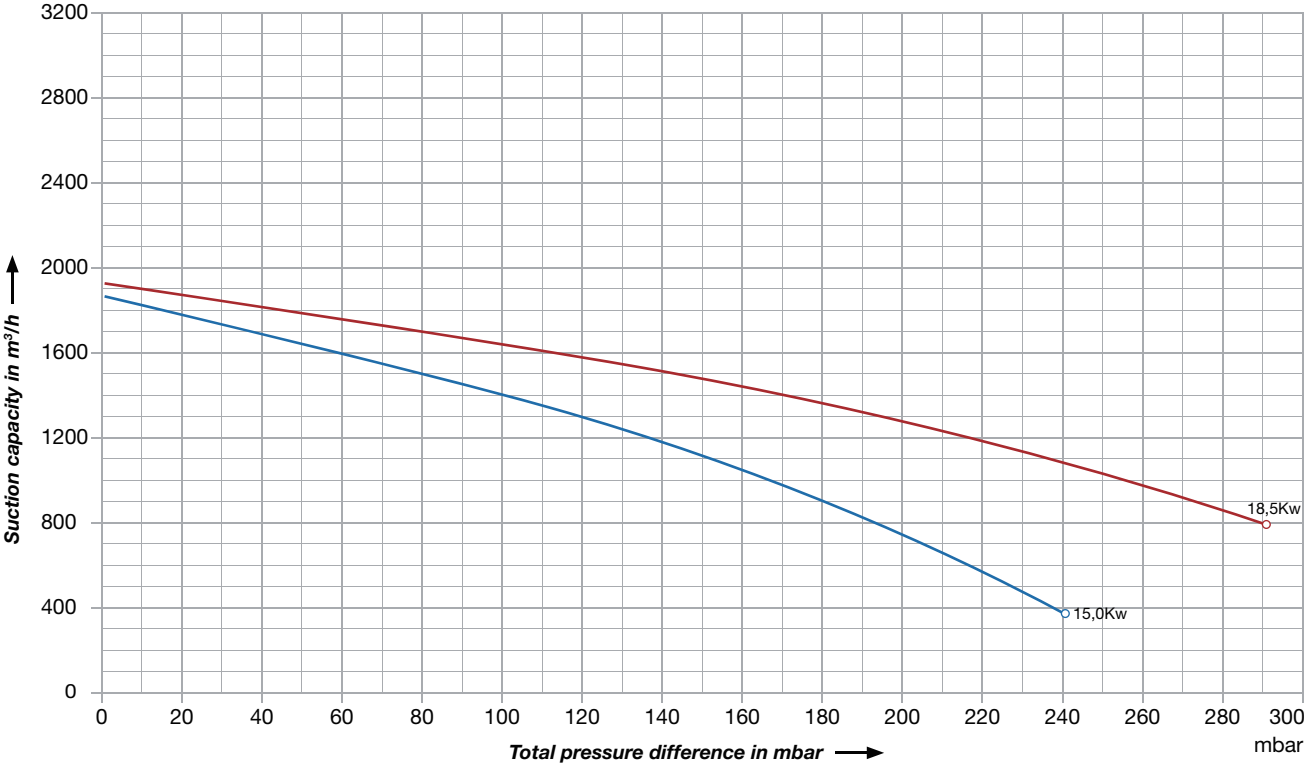
HANK-150 High Speed Centrifugal Blowers



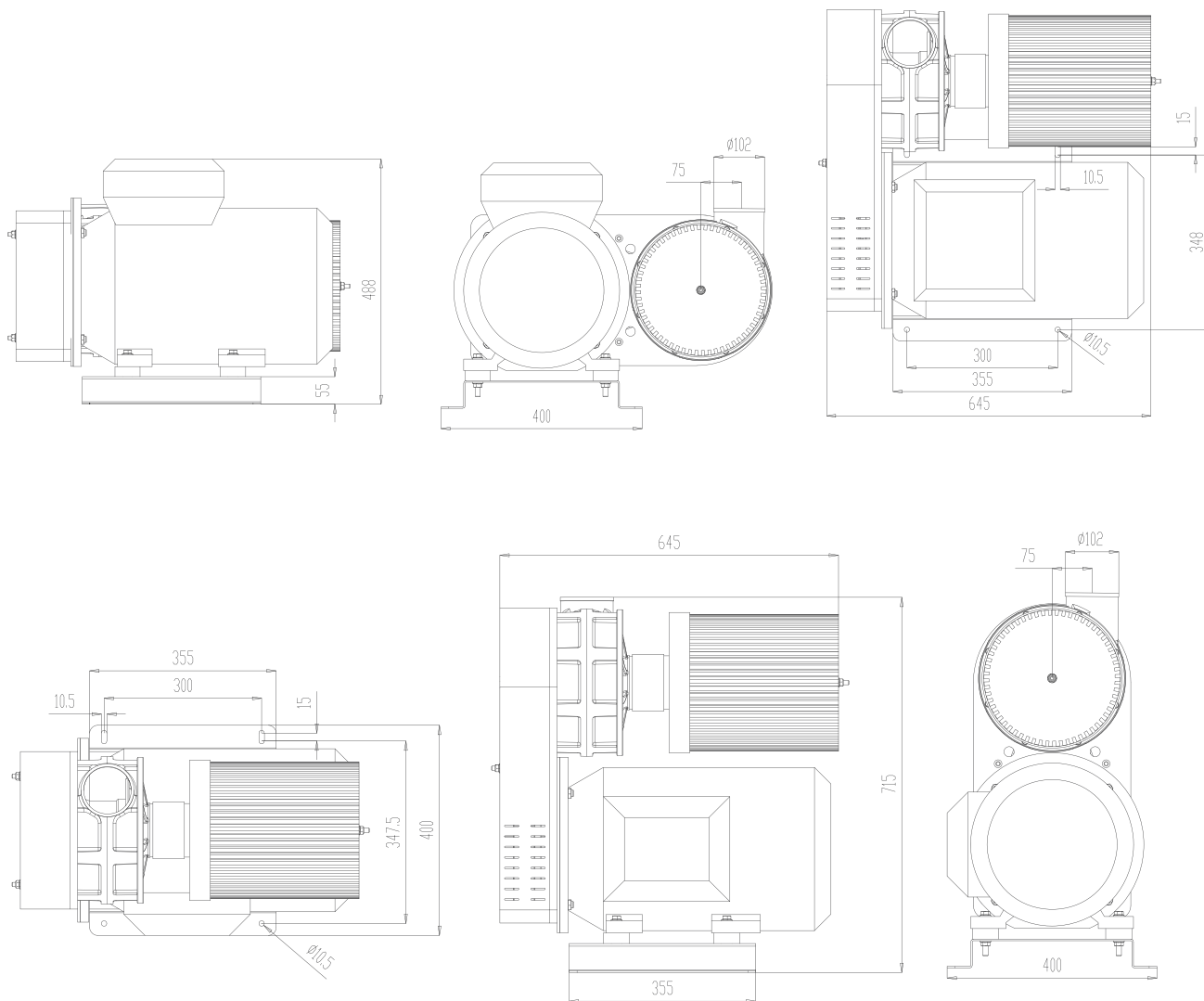
技术参数(Technical Parameter)

型号(Model Type)	标准 Standard	功率 Power	流量 Airflow	吹力 Pressure	吸力 Vacuum	重量 Weight	环境温度 Ambient temperature	进气温度 inlet temperature	设计形式 Design type
HANK-150-15.0	IEC/NEMA	15KW	2100m³/h	240mbar	-230 mbar	156Kg	-12°C~40°C	<52°C	单泵体
HANK-150-18.5	IEC/NEMA	18.5KW	2125m³/h	290mbar	-270 mbar	185Kg	-12°C~40°C	<52°C	单泵体

性能曲线(Performance Curve)



德瑞科HANK-150高速离心风机安装尺寸 HANK-150 Installation Dimension



德瑞科HANK-200高速离心风机

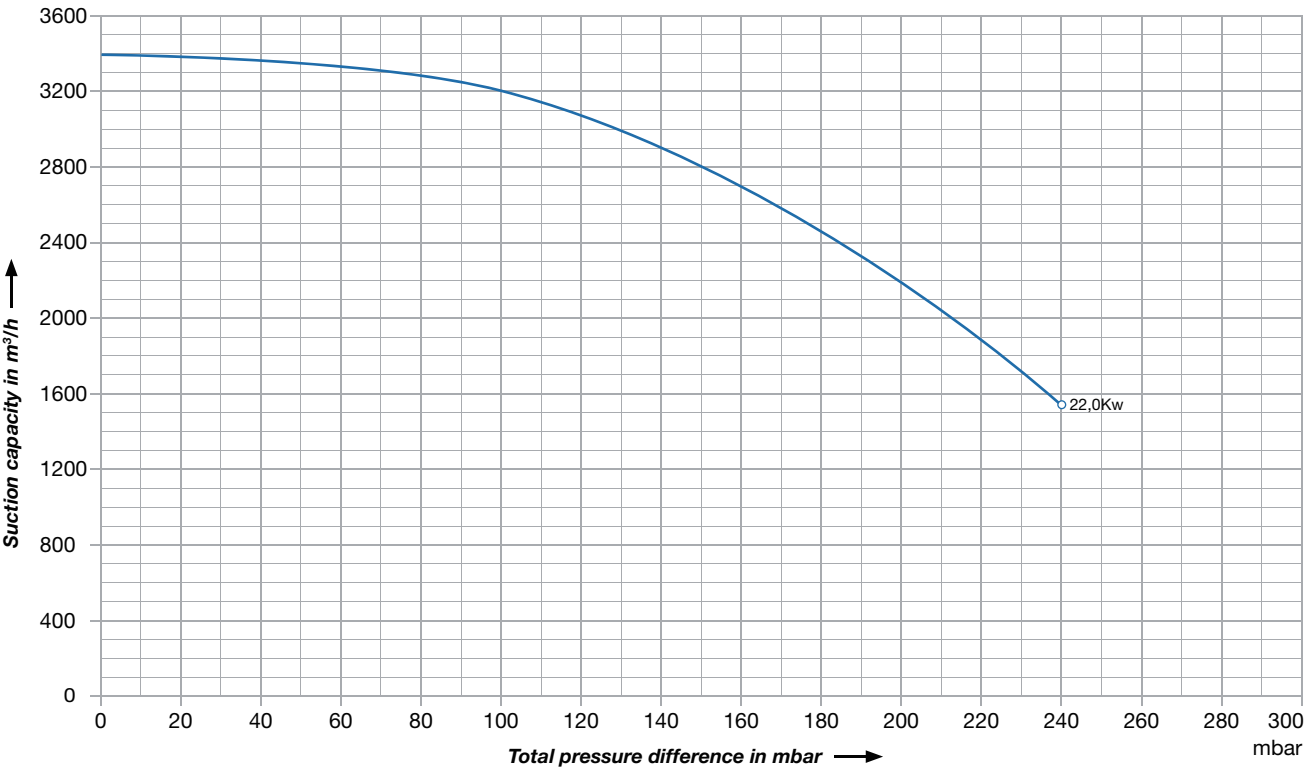
HANK-200 High Speed Centrifugal Blowers



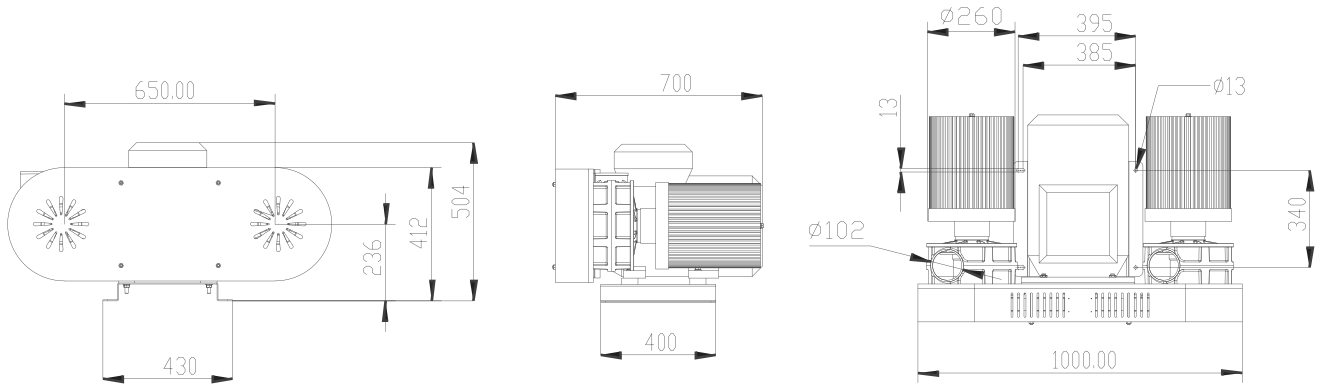
技术参数(Technical Parameter)

型号(Model Type)	标准 Standard	功率 Power	流量 Airflow	吹力 Pressure	吸力 Vacuum	重量 Weight	环境温度 Ambient temperature	进气温度 inlet temperature	设计形式 Design type
HANK-200-22	IEC/NEMA	22.0KW	3400m³/h	240mbar	-225mbar	220Kg	-12°C~40°C	<52°C	单泵体

性能曲线(Performance Curve)



德瑞科HANK-200高速离心风机安装尺寸 HANK-200 Installation Dimension



分风器及管道连接件

Air Distributor And Pipe Connector

		
One Divide To Two	One Divide To Three	One Divide To Four
		
Steel wire hose	High-temperature Air Tube	Silicone high-temperature Tube
		
Ordinary Throat Strap	Europen Throat Strap	Fixed Support

Part Name	Model	Parameter Explanation	Material	Inner Diameter	Pressure Resistance	Temperature Resistance	Length
Air Distributor	HKF-76-2*51	One Divide to Two	304 Stainless Steel	76/51	4kg/cm²	350℃	Customized
	HKF-76-3*51	One Divide to Three		76/51			
	HKF-76-4*51	One Divide to Four		76/51			
	HKF-102-5*51	One Divide to Five		51			
	HKF-102-6*51	One Divide to Six		76			
Steel Wire Hose	HKG501		PU	51	2kg/cm²	80℃	1-15m
	HKG502			76			
High-temperature Air Tube	HKGW01	Air knife is connected to hose with blower. Specific method depending on the usage of the air knife and air distributor.	Silicone Gasket	51	50Kpa	250℃	4m
	HKGW02			76			4m
Silicone High-temperature Tube	HKGJ01		Silicone Gel	51	2kg/cm²	350℃	1-4m
	HKGJ02			76			1-4m
Ordinary Throat Strap	HKPG01	Air Knife, Air distributors, Hose Connections and fixation purposes.	Stainless Steel	46-63	2kg/cm²	350℃	
	HKPG02			68-80			
Europen Throat Strap	HKOG01		Galvanization	52-58	2kg/cm²	350℃	
	HKOG02			74-86			
	HKOG03			102-114			

德瑞科产品型号说明

Order Number System

DPT - 100 - 18D5 - A - L

德瑞科高速风机 • High Speed Centrifugal Blowers

DPT:直联式高速风机系列 • Direct-Connected Series

HANK:皮带式高速风机系列 • Belt Type Series

模具框号(泵体编 65/70/85/100/150/200/300)

配套电机功率,单位: Kw , D表示: 小数点 • Power(Kw), D:Point

安装方式 • Installation

A: 左卧 • Left Horizontal

B: 右卧 • Right Horizontal

C: 立式 • Vertical Installation

出风口方向 • Outlet Direction

L: 出风口朝左 • Air outlet to the left

N: 出风口朝上 • Air outlet facing up

R: 出风口朝右 • Air outlet to the right

F: 出风口朝下 • Air outlet faces down

* 其它定制标识如有更新不另行通知, 详询Dereike官网。