Eco-Innovation for Energy & Environment

南风股份
NanFeng Corporation
工业·民用风机整体解决方案供应商

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Eco-Innovation for Energy & Environment

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工业·民用风机整体解决方案供应商

NXT-17系列轴流风机
NXT-17 Series Axial Fan



易爆环境设计，持合格证安全可靠。
CNEX
Designed for explosive situations, holding explosion-proof certificate, reliable.

达IE5能效等级（GB 19761-2020），国际领先。
Adhering to GB 19761-2020, international leading.

独立认证符合EN12101-3标准，在高达300°C高温紧急运行2小时。
Independently certified to EN12101-3 for emergency operation up to 300°C for 2hours.

自1998年起建立运行ISO9001质量管理体系，持续年度监督审核，确保质量。
Established & operated & annual audit the ISO9001 QMS since 1998 to ensure quality.

符合欧盟安全指令，已完成机械指令MD符合性评估。
CE
EU Safety Directive and Machinery Directive MD conformity assessment are complied.



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南风股份
NanFeng Corporation
工业·民用风机整体解决方案供应商

南方风机股份有限公司（以下简称“公司”），是一家专业的核电、地铁、隧道、工业与民用风机设计、制造、检测、销售、服务为一体的通风系统整体解决方案供应商，是国内首批登陆深圳证券交易所创业板企业之一（股票代码：300004）。

南方风机股份有限公司始创于1988年位于广东省佛山市南海区狮山镇小塘三环西路31号，注册资本4.79亿元。产业园占地431亩，现有职工约600人。公司拥有18万平米大型现代化生产车间、一流的专业风机生产设备共5万多台，高、精、尖端的技术团队60余人，是国家高新技术企业，拥有省级企业技术中心、工程研究中心、拥有国家合格评定和认可的检测实验室，为国内通风与空气处理行业仅有三家经CNAS认可的实验室之一。

Nanfang Ventilator Co.,Ltd (hereinafter referred to as NanFeng Corporation and the company) is a ventilation systems professional comprehensive solution supplier for fans involving design, manufacturing, testing, sales and service of nuclear power, subway, tunnel, industrial and civil building. As a pioneer in its field, the Company was among the first cohort of companies listed on the Shenzhen Stock Exchange - ChiNext Board (300004).

Founded in 1988 and with the registered capital 479 million yuan, NanFeng Corporation is located at No.31, San Huan West Road(Shi Nan Part), Xiaotang, Nanhai District, Foshan, Guangdong, P.R.China, with a registered capital of RMB 479 million. The industrial park operates from a 431-mu(equivalent to 167 acre) industrial park supported by approximately 600 employees. It boasts 180,000 square meters of modern production facilities housing over 50,000 units of modern fan processing equipment, and with a standing technical team of more than 60 technical specialists. It is a national high-tech enterprise with a provincial enterprise technology center, engineering research center, and a testing lab that has been evaluated and approved by China National Accreditation Service (CNAS) for Conformity Assessment - one of only three such certified facilities in China's ventilation and air treatment industry.



公司一直秉承自主研发企业精神，拥有较强的研究开发能力，目前拥有110多项的发明、实用新型或外观专利，是行业内首家同时获得“核级风机、风阀产品设计、制造许可证”及“军工核安全设备设计、制造许可证”的企业，也是最早获得中国核安全局颁发的“核1、2、3级不锈钢核电用钢管产品的制造许可证”的企业之一。

公司深耕风机行业30余年，始终坚持发展和创新，成为国内领先的通风与空气处理系统整体解决方案供应商。产品类别包含各种工业离心风机、轴流风机、混流风机、箱体风机、暖通空调、厨房专用风机、旋涡风机、玻璃钢风机……，亦可定制各种专业领域用途风机，比如高温风机、煤粉风机、防爆风机、消防风机、除尘风机、屋顶风机、喷粉风机、工业吊扇等，广泛应用于核电、地铁、隧道、大型建筑、工业多种行业和民用等领域。

The Company maintains a strong commitment to independent R&D, demonstrated by its robust innovation capabilities and owns more than 100 inventions, utility models and design patents. NanFeng Corporation is the first in the ventilation industry to simultaneously obtain the "Design and Manufacturing License for Nuclear Grade Fans and Air Damper" and the "Design and Manufacturing License for Military Nuclear Safety Equipment". NanFeng is also one of the earliest manufacturer to obtain the "Manufacturing License for Stainless Steel Nuclear Power Tubes for Nuclear Safety Grade 1, 2, and 3 issued by the China Nuclear Safety Administration.

Deeply engaged in the fan industry for more than 30 years, NanFeng Corporation always adhering to development and innovation and has become a leading comprehensive solution supplier for ventilation and air handling systems in China. Product covers various industrial centrifugal fans, axial fans, mixed flow fans, cabinet fans, HVAC, kitchen-used fans, vortex fans, Fiberglass fan, etc. The company also customizes various professional field fans, such as high-temperature fan, coal powder fans, explosion-proof fans, High-temperature fire smoke dedicated Fans, dust removal fans, roof fans, spraying fans, industrial ceiling fans, etc., which are widely used in nuclear power, subways, tunnels, civil buildings and industrial fields.

30+年
深耕通风行业
Three Decades of Dedication
to Air Moving Industry

公司坚持“创新驱动、诚信为本、精于制造、稳于品质”的经营理念，成为中国暖通行业系统集成总承包的领跑者，为客户提供更节能环保、更优质专业的产品，实现“同创价值、协作共赢”。

因为专注，所以专业，因为专业，所以卓越，因为卓越，所以信赖。

Guided by the principle of "Driven by Innovation, Built on Integrity, Perfected in Manufacturing, Assured in Quality", the Company aspires to lead China's HVAC system integration and EPC contracting market. The Company is committed to delivering energy-efficient, environmentally responsible, and professionally engineered products, embodying its core value of "Collaborative Value Creation for Win-Win Success".

Because of our focus, we are professional. Because of our professionalism, we are outstanding. Because of our excellence, we are trusted.



公司实力 | Company Strength

公司资质证书
Certifications & Qualifications



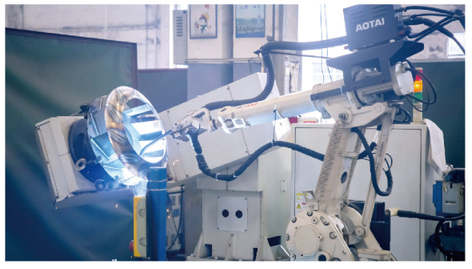
- **核电许可证**
  Nuclear Safety Equipment Design & Manufacturing License
- **实验室CNAS认证**
  CNAS Laboratory Accreditation Certificate
- **SLS-NF实验室认证**
  Singapore Laboratory Accreditation Certificate
- **ISO认证**
  Quality, Environment, Occupational Health and Safety Management System Certificate
- **CE认证**
  CE marks for jet fan, axial fan and centrifugal fan
- **风机防爆认证**
  Fan Explosion Proof certificate
- **消防产品认证**
  Fire Product Certification
- **300℃/2h认证**
  Certificate of Compliance for jet fan and axial fan high temperature resistance

工艺及加工能力 | Process & Manufacturing Capabilities

我司拥有5万台生产设备，不仅拥有大型AMADA数控激光切割机、数控转塔式冲床、数控折弯机、龙门等离子切割机、五轴联动大型加工中心、数控旋压及翻边设备等，同时还具备提升生产工艺装备，如焊接机械人、抛丸循环线及喷漆烘干线。

The Company is equipped with over 50,000 units of advanced manufacturing equipment, including: Heavy-duty AMADA CNC laser cutters, CNC turret punch, CNC bending machines, gantry plasma cutters, 5-Axis Gantry Machining Center, CNC spinning and flanging machines. Additionally, we utilize automated process equipment such as: Welding robots, continuous shot blasting lines, painting and drying lines. (Attach images)



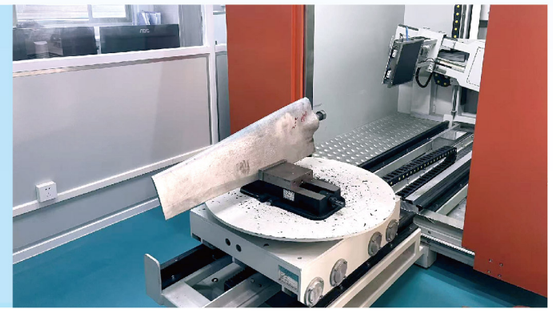


检测能力 | Testing Capabilities



风机性能测试
Fan Air Performance Test

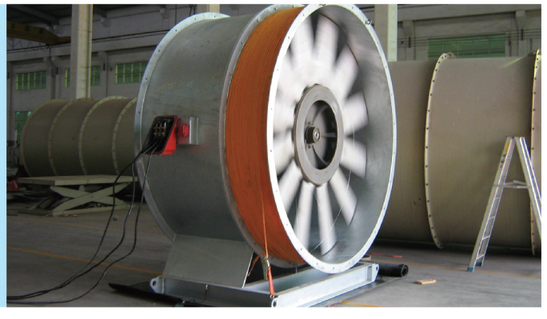
风机叶轮
无损检测设备
Non-Destructive Testing Equipment for Fan Impeller





叶轮动平衡检测设备
Impeller Dynamic Balance Testing System

风机超速测试
Axial Fan Overspeed Test







工程配套服务能力
Engineering Support & Service Capabilities

公司参与研发建设的国内外重点工程超过1000个，公司具有一支丰富实践经验、技术素质高、爱岗敬业的现场售后服务技术人员。此外我们非常注重项目技术对接，对每个项目的设备安装运行维护都提供专业的技术培训服务。

With a proven track record spanning over 1,000 domestic and international projects, the Company maintains a experience team of field service technicians renowned for their technical expertise and professional dedication. We prioritize seamless project coordination and deliver comprehensive technical training covering equipment installation, operation and maintenance for all project stakeholders.





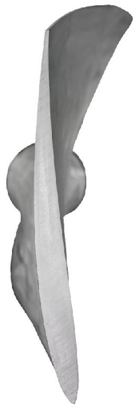
NXT系列轴流风机产品概述丨NXT Series Axial Fans - Overview

NXT系列产品是南方风机股份有限公司依据GB51251《建筑防烟排烟系统技术标准》对标BS EN 12101-3及GB55036《消防设施通用规范》(等同于ISO　7240-13)要求，研制出具有当前国际先进水平的高效低噪节能产品。并通过XF211《消防排烟风机耐高温试验方法》(等同于BS EN 12101-3)的试验认证，取得中国大陆应急管理部颁发的消防产品认证证书。

NXT系列产品最大特点：耐高温电机直接处于高温烟气之中，无须另设冷风通道冷却电机。在排除300°C烟气时风机维持正常的体积流量不变，整机在300°C高温下能正常连续运行2小时，并通过依据欧洲标准EN 12101-3执行的测试认证。

The NXT series is developed by NanFeng Corporation in accordance with GB 51251 Technical Standards for Smoke Management Systems in Buildings(equivalent to BS EN 12101-3) and GB 55036 General Code for Fire Protection Facilities(equivalent to ISO 7240-13), setting the new benchmark for high-efficiency, low-noise, and energy-saving technologies. The products are certified according to XF211 Test Method for High Temperature Resistance of Fire Exhaust Fan (equivalent to BS EN 12101-3) and hold the National Fire Product Certifications issued by the Emergency Management Department of the Chinese Mainland.

A key feature of the NXT series is its integral design where the high-temperature-resistant motor operates directly within smoke streams, eliminating the need for separate motor cooling systems. When handling 300°C smoke, the fan maintains consistent volumetric flow while demonstrating continuous 2-hour operational capability, verified through testing according to EN 12101-3.





NXT系列轴流风机产品优势丨NXT Series Axial Fans - Advantages

- **高效节能。**NXT系列轴流风机是在传统轴流风机技术基础上，研发设计的新一代高温消防排烟轴流通风机。叶片选用高升阻比(提高全压效率)的设计，应用变环量设计理论，经过多次叶型模型试验，实现了叶片的合理造型，从而获得均匀的出口流场，而且喘振点不明显，风机在管道系统中运行可靠性更高。沿叶片径向高度，采用从外径向轮毂方向叶片厚度递增的方法，以获得气流冲角的最佳匹配，从而减少气流冲击损失，从而获得了风机的高效率和性能范围宽广的气动特性。

- **小轮毂比、大流量。**在满足用户大流量要求时，可选择小机号，使风机体积小，重量轻。常用在风量大、压力变化范围广、噪声低的送风、排风、回排风兼排烟等通风系统中。

- **低噪声。**NXT系列产品设计时在风机性能上充分考虑了叶片气动性能降噪设计，以获得低噪声的效果。

- **喘振范围小。**叶片截面的气动流面在设计时也充分考虑了由于叶轮旋转失速(喘振、脱流)而引起的应力漂浮，经过对叶型设计的特殊处理，该系列风机的喘振区相对传统轴流风机收窄30%，可以运行在极小流量区，避免了管道系统阻力的突然变化对风机运行稳定性造成影响，给用户带来安全与方便。



- **High Efficiency and Energy Saving.**The NXT series is a new generation of high-temperature axial flow fans for fire ventilation, developed through the advanced evolution of traditional axial fan technology. The blades incorporate a high lift-to-drag ratio design and apply variable circulation theory to maximize total pressure efficiency. Through rigorous airfoil testing, the optimized blade profile achieves a uniform outlet flow field with minimized surge tendency, ensuring enhanced operational reliability in ducted systems. The blade thickness increases progressively from tip to hub, optimizing incidence angles to minimize impact losses. This refined aerodynamics delivers both high efficiency and a wide operational range.

- **Small Hub Ratio and Large Flow Rate.** These fans meet high flow-rate requirements with compact, space-saving models, making them ideal for ventilation systems that demand large air volume, wide pressure ranges, and low noise levels in supply, exhaust, recirculation, and smoke extraction applications.

- **Low Noise.** The aerodynamic design of the NXT series blades incorporates advanced acoustic optimization to deliver exceptionally low noise operation.

- **Narrow Surge Margin.** The blade aerodynamics are engineered to mitigate stress fluctuations induced by rotating stall (surge and flow separation). Through specialized airfoil profiling, this series achieves a 30% narrower surge zone than conventional axial fans, enabling stable operation even at minimal flow rates. This design effectively neutralizes the impact of sudden variations in duct resistance, ensuring safe and convenient operation for users.

● **性能保证。**NXT系列产品采用GB/T1236《工业通风机——用标准化风道进行性能试验》(等同于ISO5801)标准进行性能测试，同时按JB/T10562《一般用途轴流通风机技术条件》完成型式检验项目，按XF211《消防排烟风机耐高温试验方法》及BSEN 12101-3进行耐高温性能试验以确保风机性能优质,运行稳定可靠。

● **合理的系列机号分布，性能范围宽广。** NXT-17系列按 R20数系来确定标准机号(№2~№28)，每个机号有8°~36°间的任意安装角，每个安装角有6~8个工况点，每个机号有不同的叶片数(3、6、9、12、14、16)，每个机号有不同的轮毂比(0.25～0.5)。叶片数、叶片安装角度和轮毂大小互相组合，加上配用电机转速的变化，使风机的性能覆盖范围十分宽广，用户容易根据所需的性能参数选到在高效低噪声处运行的风机型号和配用电机功率的大小。



● **Performance Assurance.** NXT series fans are certified according to the following standards: GB/T 1236, Industrial Fans — Performance Testing Using Standardized Airways (equivalent to ISO 5801), for performance testing; JB/T 10562 Technical Specification for General Purposes Axial Fans, for scope of type Tests for axial fans; and XF 211 Test Method for High Temperature Resistance of Fire Exhaust Fan and BS EN 12101-3, for high-temperature endurance verification. These comprehensive testing protocols ensure verified performance and operational stability under demanding conditions.

● **Comprehensive Size Range with Broad Performance Customization.** The NXT-17 series offers standard sizes (No.2-No.28) aligned with the R20 numbering system. Each size supports installation angles from 8° to 36°, with 6–8 defined operating points per angle. Configurable blade options (3–16 blades) and hub ratios (0.25–0.5) further enable precise performance adaptation across diverse operational requirements. The flexible combination of blade count, installation angle, hub ratio, and variable motor speeds creates an extensive performance matrix. This enables precise selection of fan models and motor specifications to achieve optimal efficiency and minimal acoustic impact across diverse operational requirements.

NXT系列轴流风机的结构特点 | NXT Series Axial Fans - Structural Features

整机结构：

风机采安全可靠的结构型式，主要由风筒、叶轮、电机、电机支撑板、风机支腿、接线盒(与风筒焊接为一体)、槽钢底座等组成。其中机号＜№14的风机不需配制槽钢底座(见图一、图二、)，机号≥№14的风机配有槽钢底座(见图三、图四)。

叶轮与电机采用直连方式，配用电机可采用B30或B3安装结构型式。B30结构电机采用Z形电机支撑板将电机与后风筒用高强度螺栓联结紧固；B3结构电机采用“T”或“M”字形电机支撑板，将电机座装在与风筒焊接的电机支撑板上，然高强度螺栓联结紧固。

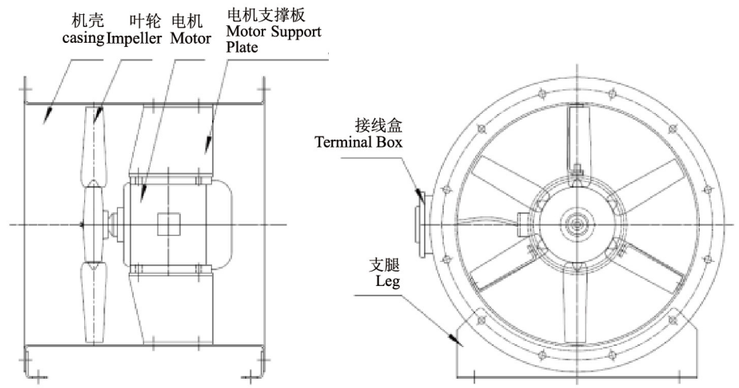
电机电源线通过专用导线管引出到后风筒外接线盒上；电机注油、排油采用铜制导管引出，连接到风筒外相应位置的油嘴上，注排油十分方便。

The impeller employs a direct-drive configuration compatible with either B30 or B3 motor mounting types. The B30 configuration utilizes a Z-shaped support plate fastened to the rear casing with high-strength bolts. For the B3 configuration, the motor is base-mounted onto a T- or M-shaped support plate (welded to the casing) and secured with high-strength bolts.

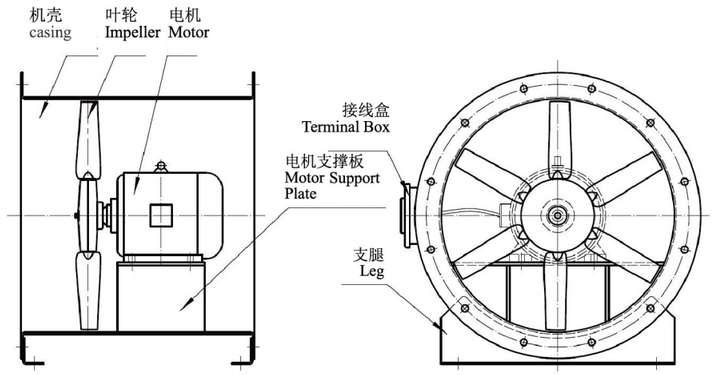
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The motor power cable is housed within a dedicated conduit that terminates at the externally located terminal box. For maintenance accessibility, copper lubrication lines are routed to externally positioned oil nozzles, facilitating convenient oil filling and drainage.

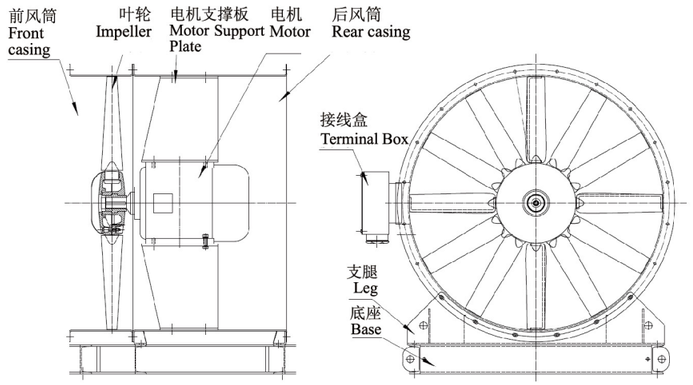
图一 机号＜№14轴流风机的B3O电机结构图
Figure 1: B30 Motor Configuration for Axial Fan (Size < No.14)



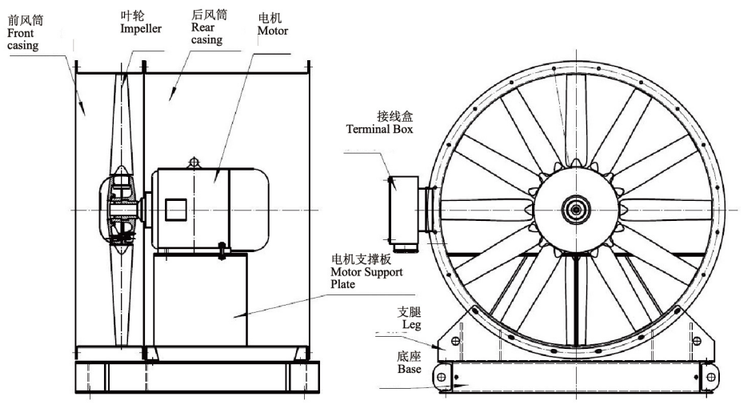
图二 机号＜№14轴流风机的B3电机结构图
Figure 2: B3 Motor Configuration for Axial Fan (Size < No.14)



图三 机号≥№14轴流风机的B3O电机结构图
Figure 3: B30 Motor Configuration for Axial Fan (Size ≥ No.14)



图四 机号≥№14轴流风机的B3电机结构图
Figure 4: B3 Motor Configuration for Axial Fan (Size ≥ No.14)



风筒结构

风筒选用符合中国GB/T3274《碳素结构钢和低合金结构钢热轧薄钢板及钢带》以及欧洲标准EN10025的优质碳钢制作，材料厚度随机号大小按JB/T10562《一般用途轴流通风机技术条件》执行；风筒滚圆后焊接，焊接后采用旋压翻边专用设备整体翻边，保证了圆筒刚性的同时也使其圆度达到最高设计要求；风机接线盒与风筒可焊接为一整体，整洁美观。风筒的材质和厚度亦可按客户不同的要求定制，当法兰厚度要求比筒体厚度大一档时风机风筒采用焊接法兰的型式。

风筒执行GB/T13912《金属覆盖层 钢铁制件热浸锌层 技术要求及试验方法》(等同于ISO 1461)，整体采用热浸锌处理，锌层厚度达到75μm以上，也可根据客户要求采用其它材质制造，或调整镀锌层厚度，或者其它表面涂装方式。





Casing

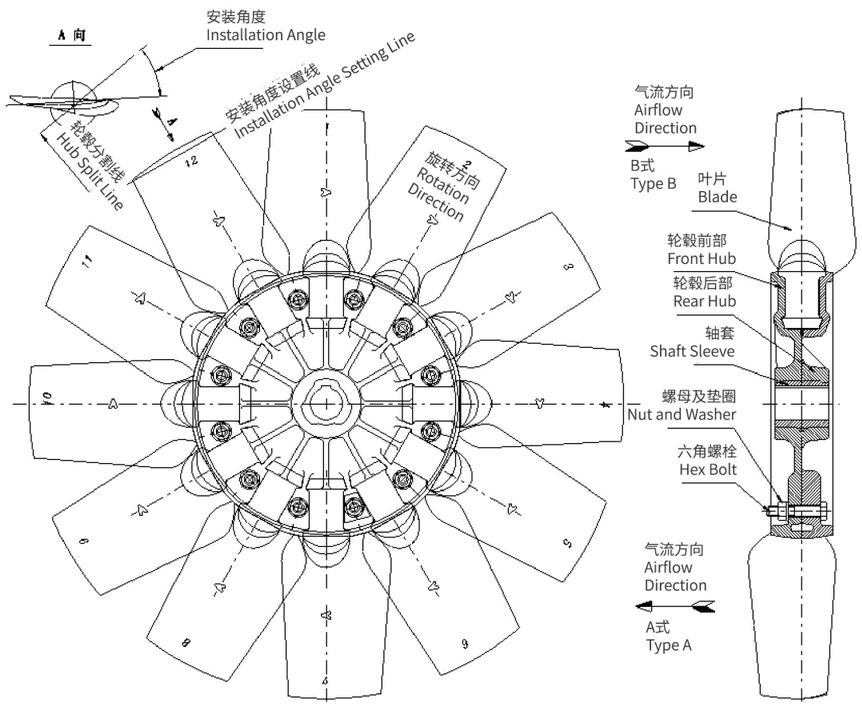
The casing is fabricated from high-quality carbon steel compliant with GB/T 3274 Hot-Rolled Plates, Sheets and Strips of Carbon Structural Steels and High Strength Low Alloy Structural Steels and EN 10025, with material thickness specified per JB/T 10562 Technical Specification for General Purposes Axial Fans according to fan size. Through rolling and welding, followed by specialized spinning and flanging processes, the casing achieves exceptional cylindrical rigidity and meets the highest design standards for roundness. The terminal box is integrally welded to the casing for both structural integrity and aesthetic appearance. The material and thickness of the casing can be customized to meet specific client requirements. When the required flange thickness exceeds the cylinder thickness by one grade, the fan casing features a welded flange design.

The casing complies with GB/T 13912 Metallic Coatings—Hot Dip Galvanized Coatings on Fabricated Iron and Steel Articles—Specifications and Test Methods(equivalent to ISO 1461), featuring an overall hot-dip galvanized finish with a zinc coating thickness exceeding 75 μm. Alternative materials, customized zinc thickness, or specialized surface treatments are also available to meet specific project requirements.

叶轮结构 Impeller

叶轮采用GB/T 15115《压铸铝合金》(等同于EN 1706)高强度压铸铝合金制作。叶片和轮毂的联接采用简单易拆卸的结构，对开轮毂采用9.8级高强度螺栓压紧。用户可根据使用要求，在有足够功率储备的条件下，在停机后调整叶片安装角度，可以获得与管路系统相匹配的性能参数，提高产品对用户的适用性。每个叶轮整体通过JB/T9101《通风机转子平衡》(等同于ISO 1940-1)平衡测试，并满足JB/T 6445《通风机叶轮超速试验》(等同于EN 14960)超速强度要求。

The impeller is constructed from high-strength die-cast aluminum alloy in accordance with GB/T 15115 Die Casting Aluminum Alloys(equivalent to EN 1706). The blade-to-hub connection features a straightforward design for easy disassembly. The split hub is secured with high-tensile Grade 9.8 bolt Users are allowed to adjust the blade installation angle during shutdown (with sufficient power reserve) to optimize performance parameters for their pipeline system, thereby enhancing product applicability. Each complete impeller undergoes balance testing according to JB/T 9101 Fan Rotor Balance(equivalent to ISO 1940-1) and meets overspeed strength requirements per JB/T 6445 Overspeed Test for Fan Impeller(equivalent to EN 14960).



图五 NXT系列叶轮的结构图
Figure 5: Configuration of NXT Series Impeller

电动机

风机采用B30或B3的高效节能电机，效率符合GB18613中的二级和三级能效标准，并满足IEC60034-30-1 IE4、IE3和IE2效率指标。安装尺寸符合IEC标准和国家标准。

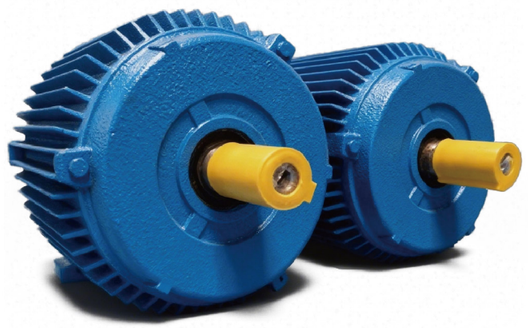
电机有能力经受耐高温消防考验，满足S1和S2两种工况运行：在-20℃至+40℃温度，海拔不超过1000m，月平均最高相对湿度不超过90%环境下长期连续运行；当紧急冒烟、排烟时，启动S2短时工作运行。如周围环境温度高达300℃，能可靠运120分钟，符合高温消防电机的紧急工况等级。

电机额定电源可选220/380V、230/400V、380/660V、400/690V，50Hz或60Hz等。

电机可根据客户使用条件采用H或F级绝缘材料、防护等级IP55(IP54或IP65)、TH湿热等级等技术要求来制造，保证电机在高温高湿的环境下安全可靠地运行。

电机的轴承采用NSK、SKF等国际知名品牌高温轴承，同时可根据用户需求，在电机轴承处设置轴温传感器和振动传感器，以监控电机的安全运行。

电机出线电缆采用金属软管保护，可根据客户需求配用不锈钢编织软管或金属包塑软管。





Motor

The fan is equipped with a high-efficiency B30 or B3 motor that meets the efficiency standards of both GB18613 (Grades 2 and 3) and IEC 60034-30-1 (IE4, IE3, and IE2). The installation dimensions comply with the relevant IEC and Chinese national standards.

The motor is designed to withstand high-temperature fire protection tests and operate under both S1 and S2 duty cycles. Continuous operation (S1): Suitable for environments ranging from -20℃ to +40℃, at altitudes up to 1,000 m, and with a monthly average relative humidity of ≤90%. Short-time operation (S2): Intended for emergency smoke exhaust scenarios. The motor ensures reliable 2-hour operation at 300°C ambient temperature, certified for emergency duty classification in high-temperature fire applications.

Rated power supply options include 220/380 V, 230/400 V, 380/660 V, and 400/690 V at 50 or 60 Hz.

The motor can be manufactured with Class H or F insulation, IP55 (or IP54/IP65) protection, and TH damp-heat classification, ensuring reliable operation in high-temperature, high-humidity environments.

The motor is equipped with high-temperature bearings from top brands like NSK and SKF. Optional sensors are available for bearing temperature and vibration monitoring.

The outgoing cable of the motor is protected by flexible metallic conduits with options for stainless steel braided or plastic-coated finishes based on client requirements.

其他配件 | Other Accessories

风机可以根据客户需求配备以下相关配置。

The fan can be configured with the following accessories according to customer requirements.

防喘振装置、集流器、防护网等辅件采用碳钢制作时，执行GB/T13912《金属覆盖层 钢铁制件热浸锌层 技术要求及试验方法》(等同于ISO 1461)整体采用热浸锌处理，锌层厚度达到75μm以上，也可根据客户要求采用其它材质制造，或调整镀锌层厚度，或者其它表面涂装方式。

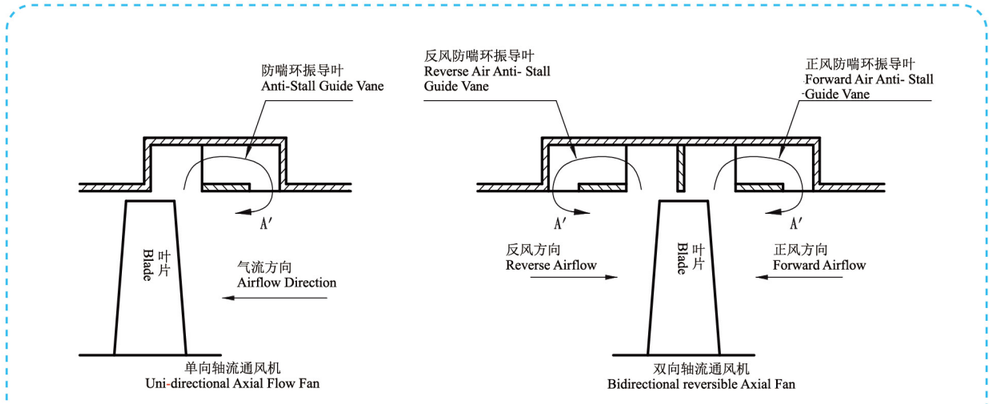
Accessories such as the anti-stall chamber, bell mouth and protective grille, which are made of carbon steel, comply with GB/T 13912 Metallic Coatings—Hot Dip Galvanized Coatings on Fabricated Iron and Steel Articles—Specifications and Test Methods(equivalent to ISO 1461), featuring an overall hot-dip galvanized finish with a zinc coating thickness exceeding 75 μm. Alternative materials, customized zinc thickness, or specialized surface treatments are also available to meet specific project requirements.

● 防喘振装置

风机可以根据客户需求配备与其性能相配的放喘振装置。防喘振装置装在叶轮端，使在风机运行在小流量区时不会出现喘振现象，保障风机稳定运行。

● Anti-Stall Chamber

The fan can be equipped with anti-stall chamber that match its performance characteristics. The anti-stall chamber is installed around the impeller to prevent stalling during low-flow operation and ensure stable performance.







● 集流器

集流器是轴流风机的重要辅助部件，形成渐缩形流道，使气流在此加速，在风机的进口前建立起均匀的速度场和压力场，以降低流动损失提高风机效率。

● Bell mouth

The bell mouth is an essential component of the axial fan. It forms a conical flow channel that accelerates the airflow, creating a uniform velocity and pressure field at the fan inlet. This design helps to reduce flow losses and improve fan efficiency.

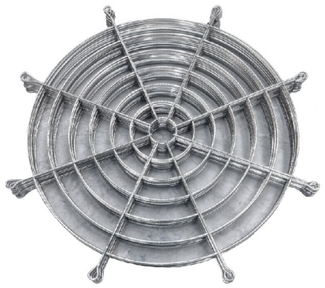


● 防护网

防护网采用钢丝网结构，可阻挡手指、工具或杂物接触扇叶，避免因异物干扰导致风机损坏或引发安全隐患，保护设备安全。

● Protective Grille

The protective grille, constructed from wire mesh, prevents fingers, tools, and debris from coming into contact with the fan blades. This avoids damage and safety hazards caused by foreign objects, ensuring equipment safety.



● 软连接

安装在风机进口或出口处的柔性连接配件，主要应用于通风管道系统，起到消声降噪、补偿管道热变形等作用。其通过吸收振动和平衡管道偏差降低噪音，避免风机的振动和噪声通过管道传给系统建筑，同时适应温度变化引起的形变。

● Flexible Connection

The flexible connection is installed at the fan inlet or outlet and is primarily used in ventilation duct systems to reduce noise and compensate for thermal expansion in the ducts. By absorbing vibrations and balancing duct deviations, the flexible connection lowers noise levels and prevents fan vibrations from transferring to the building system while accommodating temperature-induced deformations.



● 减振器

减振器通过吸收和隔离风机运行时产生的振动能量，降低传递到建筑结构或其他设备的振动强度，从而减少噪音传播。减振器通过减少振动，降低设备部件的疲劳程度，延长使用寿命。减振器可降低振动对精密设备的影响，防止设备松动或损坏，确保风机平稳运行。

● Vibration Absorber

The vibration absorber absorbs and isolates the vibrational energy produced during fan operation, reducing the intensity of vibrations transmitted to the building structure or other equipment, thereby minimizing noise propagation. By reducing vibrations, the damper minimizes fatigue on equipment components and extends their service life. It also mitigates the impact of vibrations on precision equipment to prevent loosening or damage and ensure smooth fan operation.



风机如何选型丨How to select fan model?

例如：当您需要针对需求流量8m3/s，需求静压160Pa风机选型时：

- 首先，打开风机性能速查表章节（见P23~28页）快速查阅到风机直径从315mm到2500mm配不同极数电机（2-10极）风量及全压范围。根据需求风量和静压参数判定其落在对应哪个直径风机比较靠中心的位置，这时风机的效率处于相对较高的水平，初步定出风机直径为1000mm。
- 然后，找到直径1000mm风机对应电机极数的性能曲线图，按以下7个步骤确认风机型号信息：

- **For example: Required flow rate: 8 m³/s, static pressure: 160 Pa.**

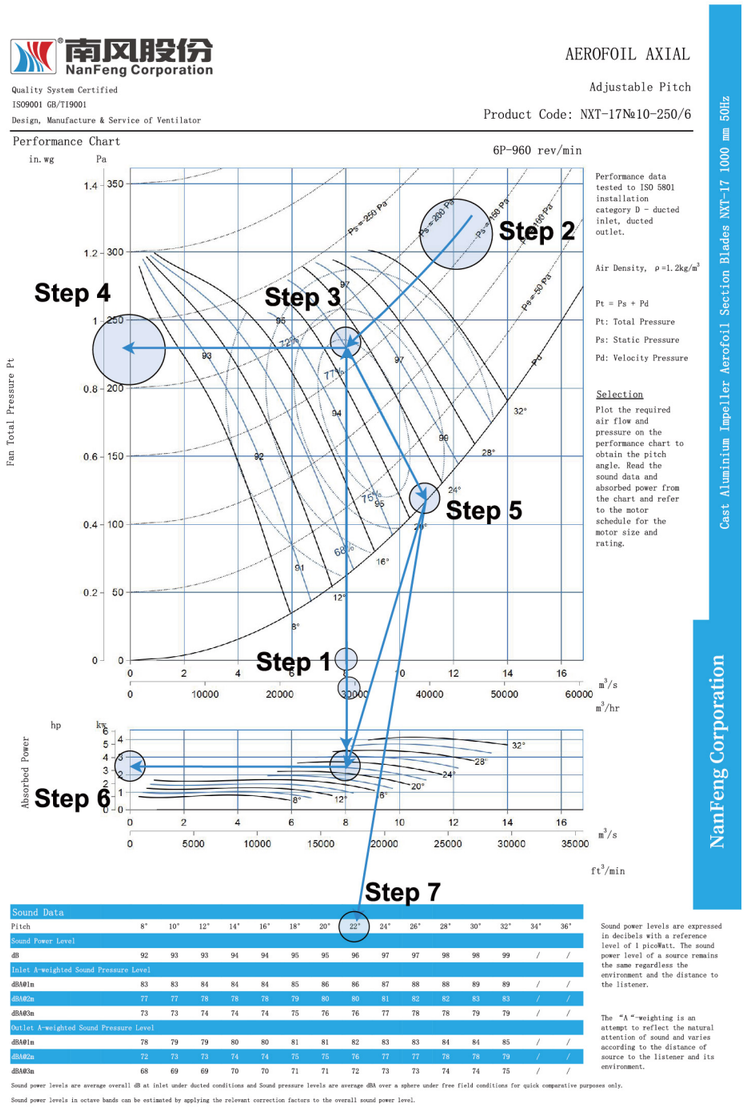
Firstly, review Fan Performance Quick Check Table from page 23 to page 28 to identify fan diameters ranging from 315 mm to 2,500 mm, paired with motors of 2–10 poles, and then distinguish their corresponding flow rate and total pressure ranges. Based on the required parameters, determine the diameter that is closest to the center where the fan efficiency is relatively high. Initially set the fan diameter to 1,000 mm.

- Afterwards, to find the performance curve chart corresponding to the 1,000 mm diameter fan with the corresponding motor pole counts, and confirm the fan model information by following the 7 steps below:

步骤1 在横坐标（流量坐标）上找到流量8m3/s，并作8m3/s等流量竖线。	Step1 Locate 8 m³/s on the horizontal (flow rate) axis and draw a vertical line for the constant flow rate of 8 m³/s.
步骤2 作出160Pa静压等压线。	Step2 Draw a horizontal line for the static pressure of 160 Pa.
步骤3 作出等流量竖线与等静压线交点。	Step3 Identify the intersection point of the vertical line (for constant flow rate) and the horizontal line (for constant static pressure).
步骤4 依据等流量竖线与等静压线交点读取风机全压参数为230Pa。	Step4 Read the fan total pressure (230 Pa) at this intersection.
步骤5 依据等流量竖线与等静压线交点读取风机叶轮角度为22°。	Step5 Read the impeller angle (22°) at the same intersection.
步骤6 在功率曲线图部分，通过8m3/s等流量竖线与22°功率曲线交点读出对应轴功率为2.5kw。	Step6 On the power curve chart, find the intersection of the 8 m³/s vertical constant-flow-rate line and the 22° power curve to determine the shaft power (2.5 kW).
步骤7 在噪声图表中读取22°的相关噪声参数。	Step7 Check the noise chart for the relevant acoustic parameters at 22°.

How... read?

Simple 7 steps to understand...



风机如何选型 | How to select fan model?

注：同一需求参数可能在图表中选出几种不同风机直径、叶轮配置和不同速度组合的风机型号。客户可以根据自身需求的关键因素，如能耗、尺寸、噪声、成本等综合考虑，从中选择自己需求的最优型号。

NOTE: The same set of parameters may yield multiple fan models with different combinations of diameter, impeller configuration and speed. Customers can consider factors such as energy consumption, size, noise level, and cost when selecting the most suitable model for their needs.

- 最后，经过上述步骤确定适合型号的风机，再列出对应的风机型号信息。
- In conclusion, Determine the suitable model of fan through the above steps, and then list the corresponding fan model information.
- 选型结论：风机型号：NXT-17No.10A 250/6/22

  电机配置：6P-3kW，也可预留较大额定功率电机，以预留更充足余量。
- Fan model selection conclusion:

  For fan model conclusion: NXT-17No.10A 250/6/22

  For motor configuration: 6P-3kW, bigger rated output motors also can be equipped in order to reserve more sufficient margin.

温馨提示：

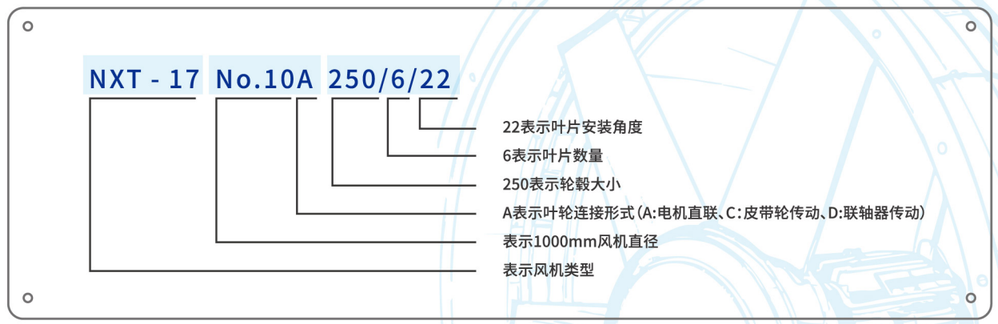
有关电机、声谱、尺寸和净重的更多信息，请参阅本目录中的相关章节。如需技术帮助，请联系您当地的销售工程师，他们很乐意为您提供更多详细信息。

Warmly note:

Further information about motor, sound spectrum, dimension and net weight, please refer to the relevant chapters as shown in this catalogue.

Need any technical assistance? Please contact your local sales engineer, they are pleased to give you more detail information.

选型结论解释Explaination：NXT-17No.10A 250/6/22



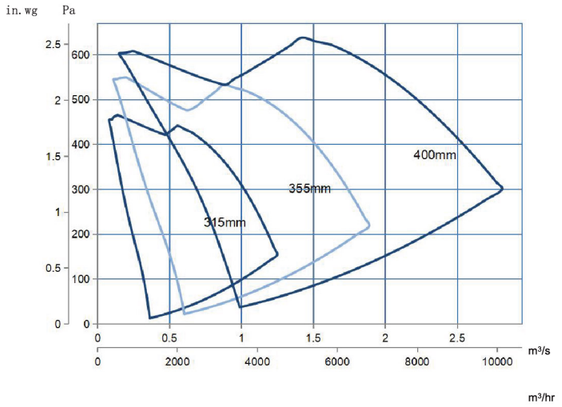


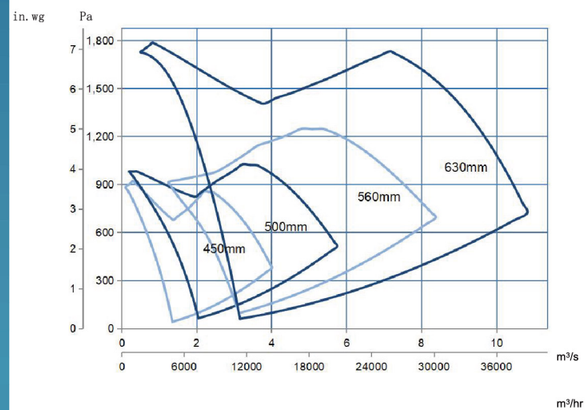
风机性能速查表

Fan Performance Quick Check Table

2-pole Performance

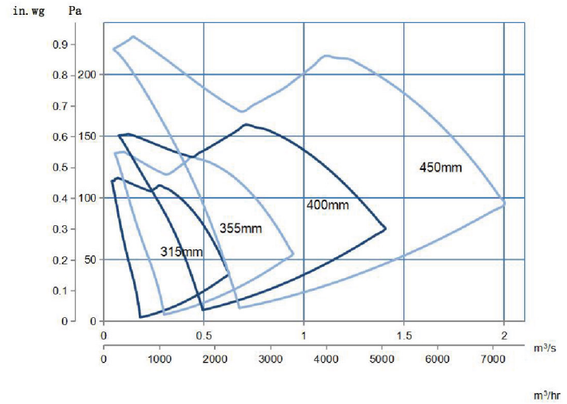
AEROFOIL AXIAL

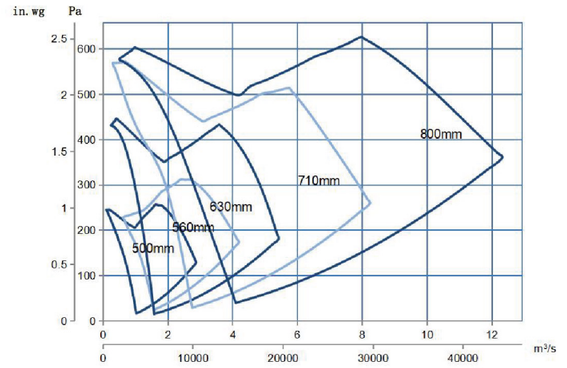


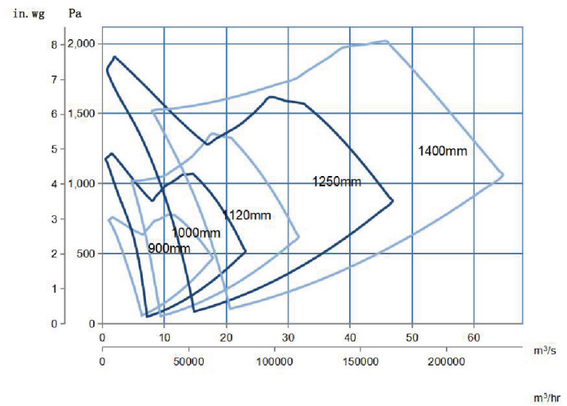


4-pole Performance

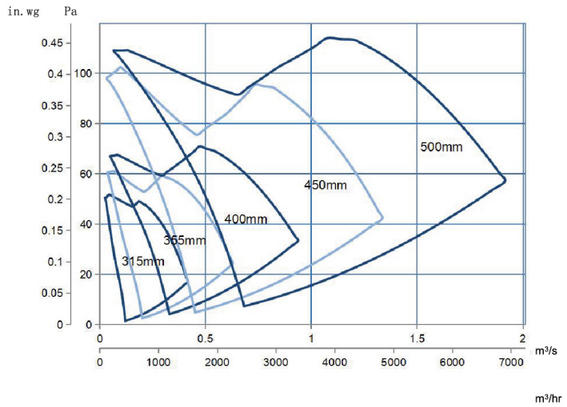
AEROFOIL AXIAL



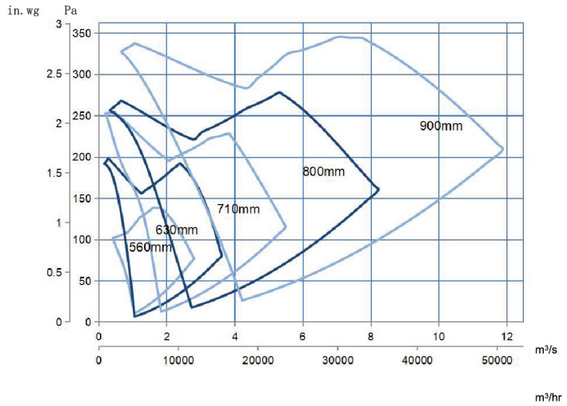




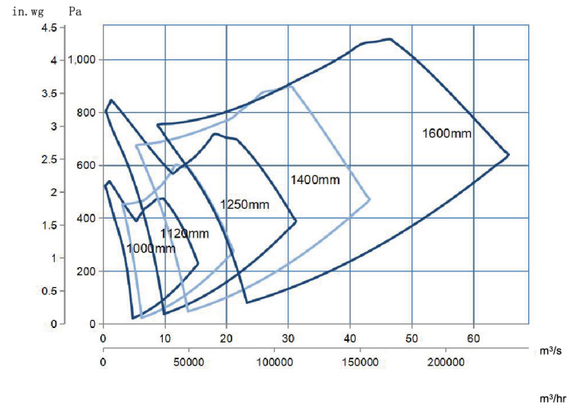
6-pole Performance



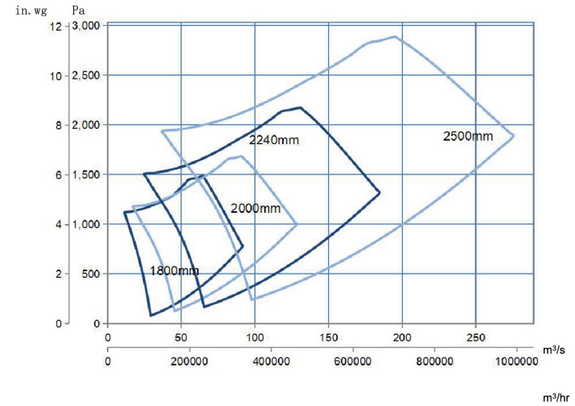
AEROFOIL AXIAL



6-pole Performance



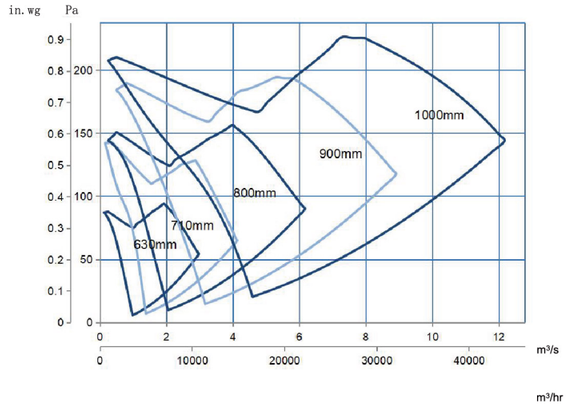
AEROFOIL AXIAL

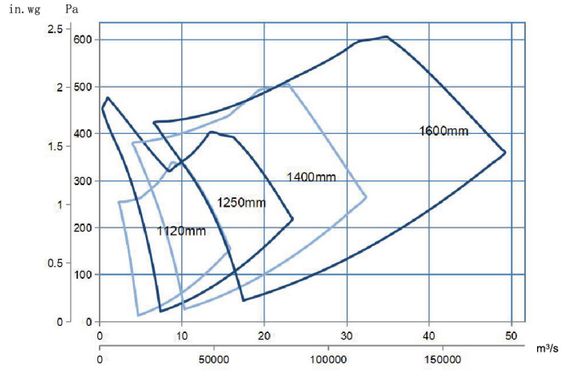


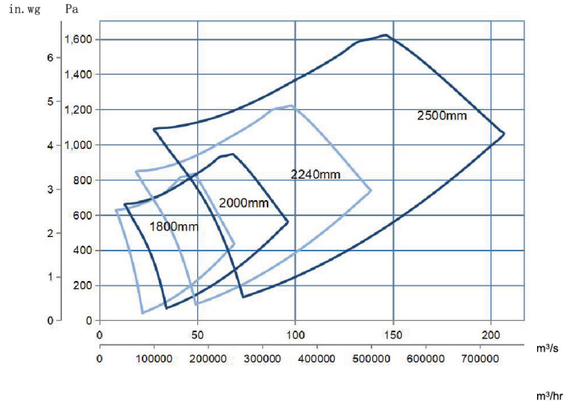
风机性能速查表 | Fan Performance Quick Check Table

8-pole Performance

AEROFOIL AXIAL

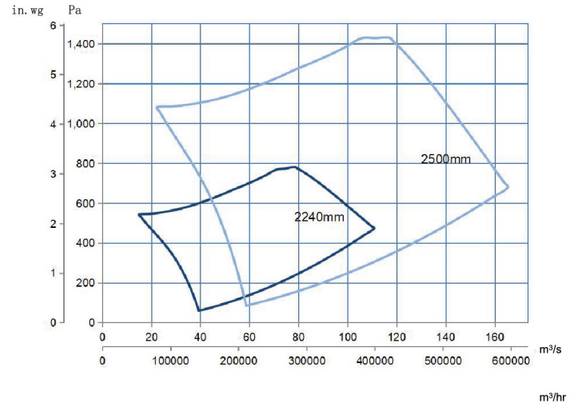






10-pole Performance

AEROFOIL AXIAL



风机性能速查表 | Fan Performance Quick Check Table

南风股份 NanFeng Corporation

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Design, Manufacture & Service of Ventilator

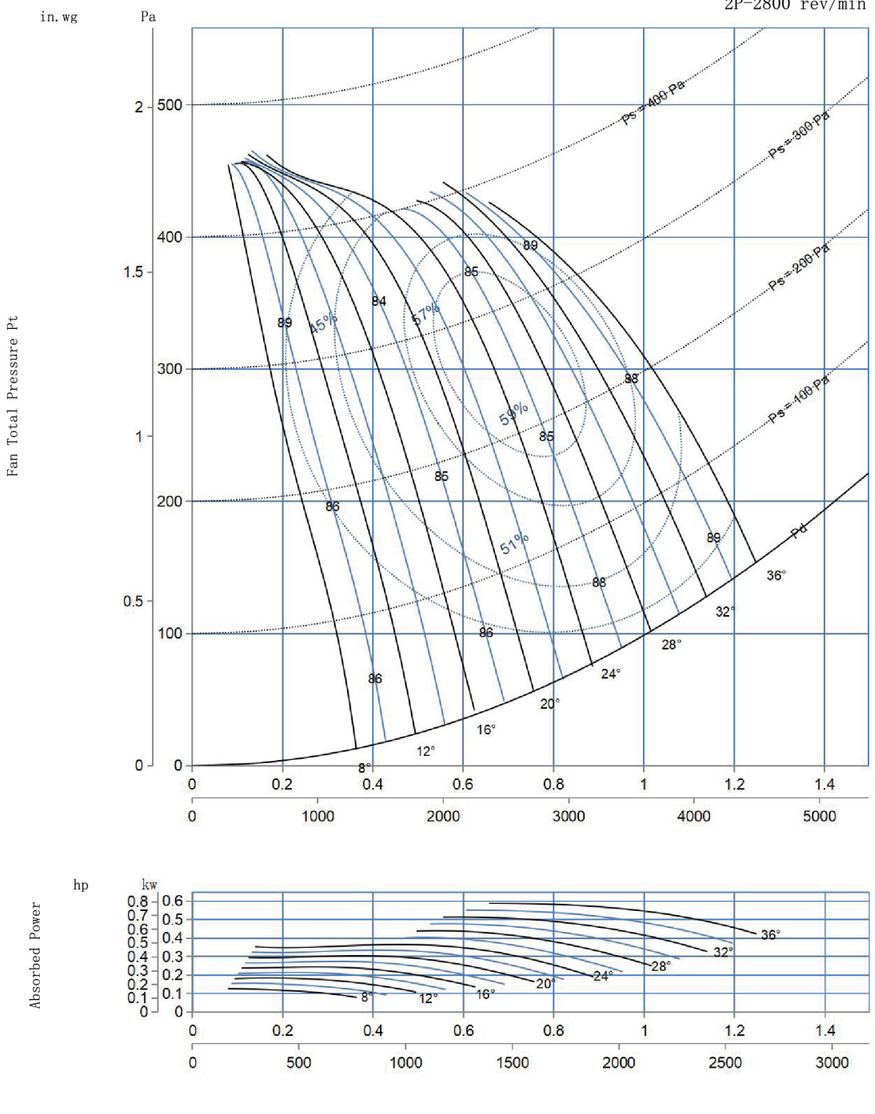
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№3.15-100/6

Performance Chart

2P-2800 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, $\rho = 1.2 kg/m^3$

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	89	88	87	86	85	85	86	86	86	87	87	88	88	89	89
Inlet A-weighted Sound Pressure Level															
dBA@1m	80	79	78	77	76	76	76	76	77	77	78	78	78	79	79
dBA@2m	74	73	72	71	70	70	70	70	71	71	72	72	72	73	73
dBA@3m	70	69	68	67	66	66	66	66	67	67	68	68	68	69	69
Outlet A-weighted Sound Pressure Level															
dBA@1m	80	79	78	77	76	76	76	77	77	77	78	78	79	79	80
dBA@2m	74	73	72	71	70	70	70	71	71	71	72	72	73	73	74
dBA@3m	70	69	68	67	66	66	66	67	67	67	68	68	69	69	70

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

The "A"-weighting is an attempt to reflect the natural attention of sound and varies according to the distance of source to the listener and its environment.

Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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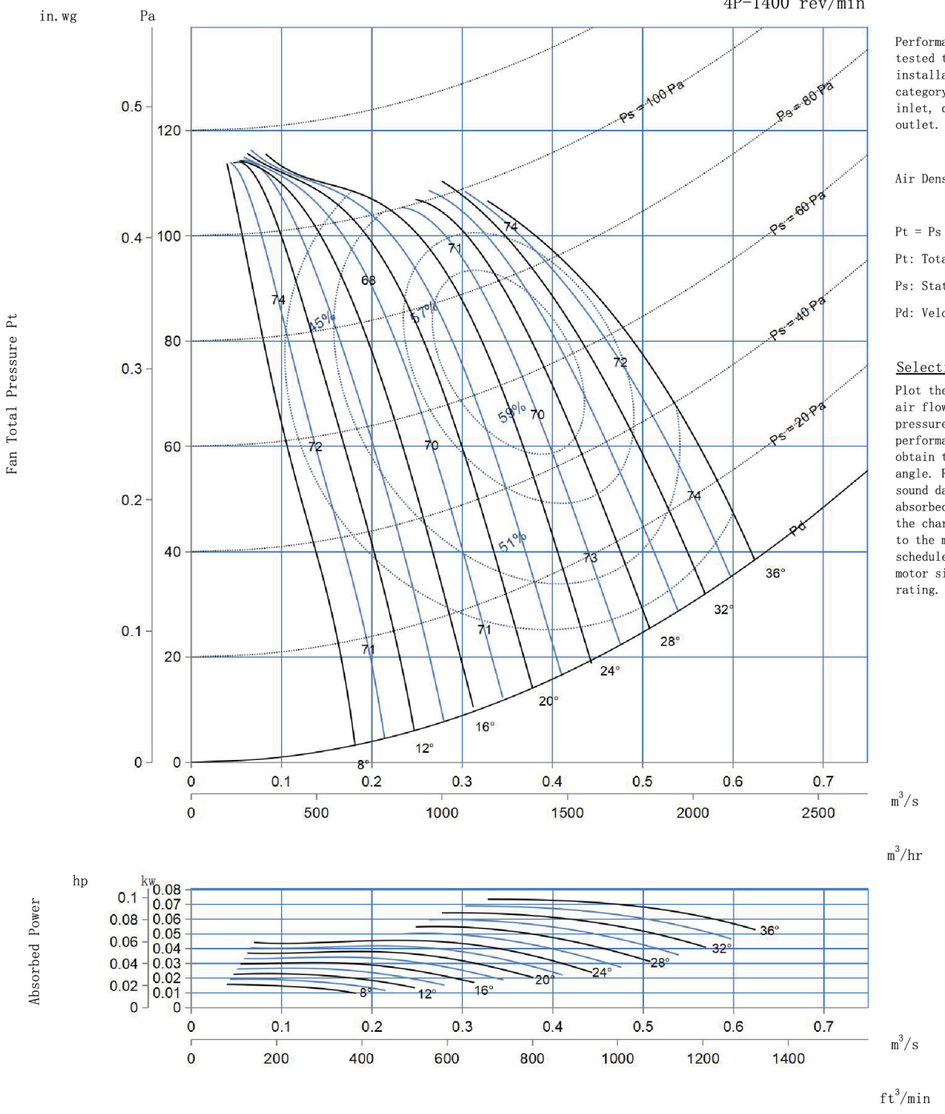
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№3.15-100/6

Performance Chart

4P-1400 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, $\rho = 1.2 kg/m^3$

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	74	73	72	71	70	70	70	71	71	71	72	72	72	73	73
Inlet A-weighted Sound Pressure Level															
dBA@1m	63	62	61	60	59	59	60	60	60	60	61	61	61	62	62
dBA@2m	57	56	55	54	53	53	54	54	54	54	55	55	55	56	56
dBA@3m	53	52	51	50	49	49	50	50	50	50	51	51	51	52	52
Outlet A-weighted Sound Pressure Level															
dBA@1m	63	62	61	60	59	59	60	60	60	60	61	61	61	62	62
dBA@2m	57	56	55	54	53	53	54	54	54	54	55	55	55	56	56
dBA@3m	53	52	51	50	49	49	50	50	50	50	51	51	51	52	52

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 315 mm 50Hz

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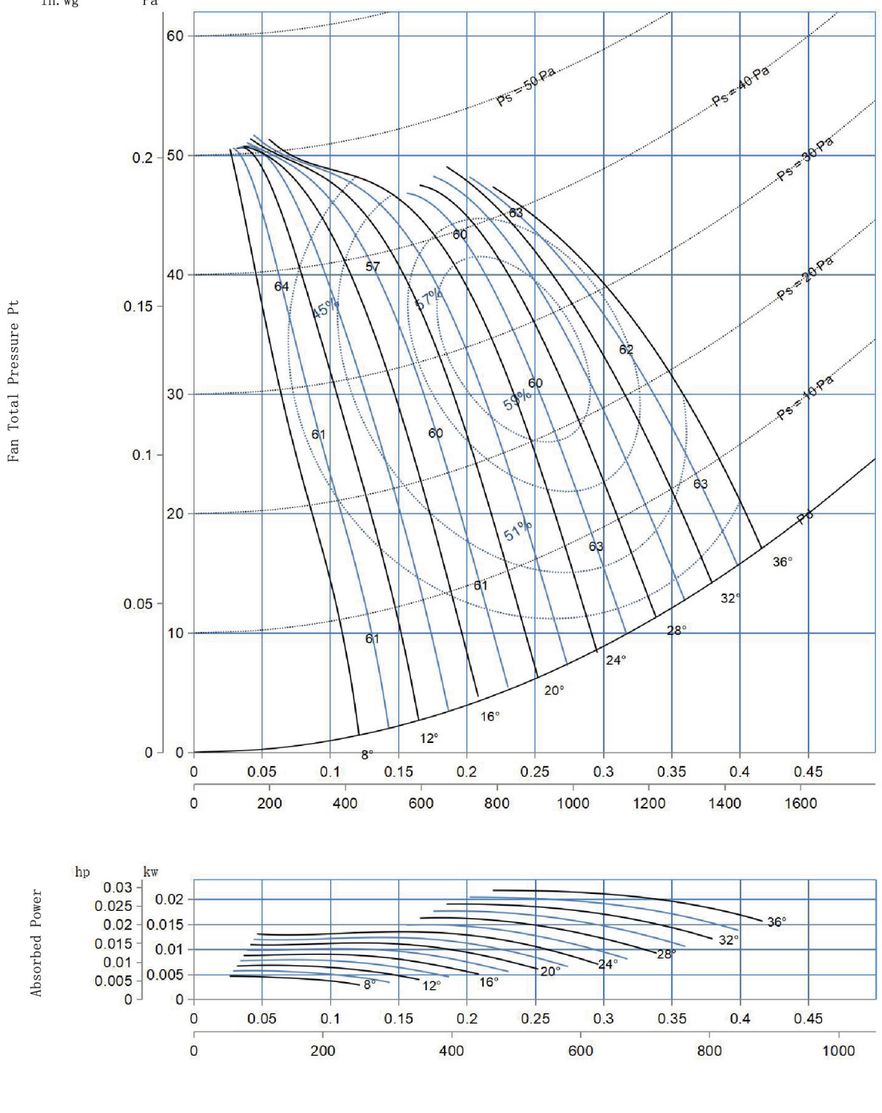
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№3.15-160/6

Performance Chart

6P-940 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	64	63	62	61	60	60	60	60	60	61	61	61	62	62	63
Inlet A-weighted Sound Pressure Level															
dBA@1m	53	52	51	50	49	49	49	49	49	49	50	50	50	51	51
dBA@2m	47	46	45	44	43	43	43	43	43	43	44	44	44	45	45
dBA@3m	43	42	41	40	39	39	39	39	39	39	40	40	40	41	41
Outlet A-weighted Sound Pressure Level															
dBA@1m	53	52	51	50	49	49	49	49	49	49	50	50	50	51	51
dBA@2m	47	46	45	44	43	43	43	43	43	43	44	44	44	45	45
dBA@3m	43	42	41	40	39	39	39	39	39	39	40	40	40	41	41

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

The "A"-weighting is an attempt to reflect the natural attention of sound and varies according to the distance of source to the listener and its environment.

Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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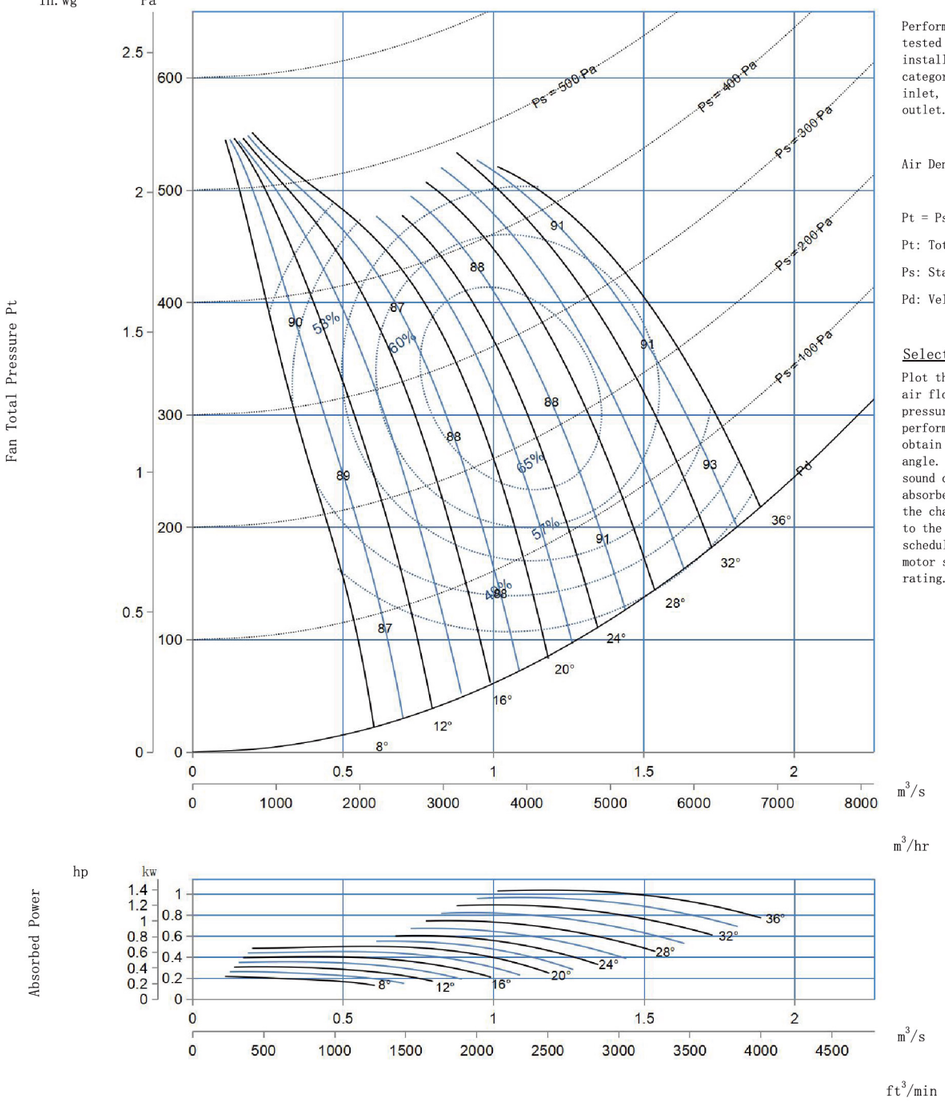
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№3.55-100/6

Performance Chart

2P-2800 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	91	90	89	88	87	88	88	88	88	89	89	90	91	92	92
Inlet A-weighted Sound Pressure Level															
dBA@1m	77	76	75	75	74	74	74	74	74	75	76	77	78	78	79
dBA@2m	71	70	69	69	68	68	68	68	68	69	70	71	72	72	73
dBA@3m	67	66	65	65	64	64	64	64	64	65	66	67	68	68	69
Outlet A-weighted Sound Pressure Level															
dBA@1m	78	77	76	75	75	75	75	75	75	76	77	78	78	79	79
dBA@2m	72	71	70	69	69	69	69	69	69	70	71	72	72	73	73
dBA@3m	68	67	66	65	65	65	65	65	65	66	67	68	68	69	69

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

The "A"-weighting is an attempt to reflect the natural attention of sound and varies according to the distance of source to the listener and its environment.

Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

Cast Aluminium Impeller Aerofoil Section Blades NXT-17 355 mm 50Hz

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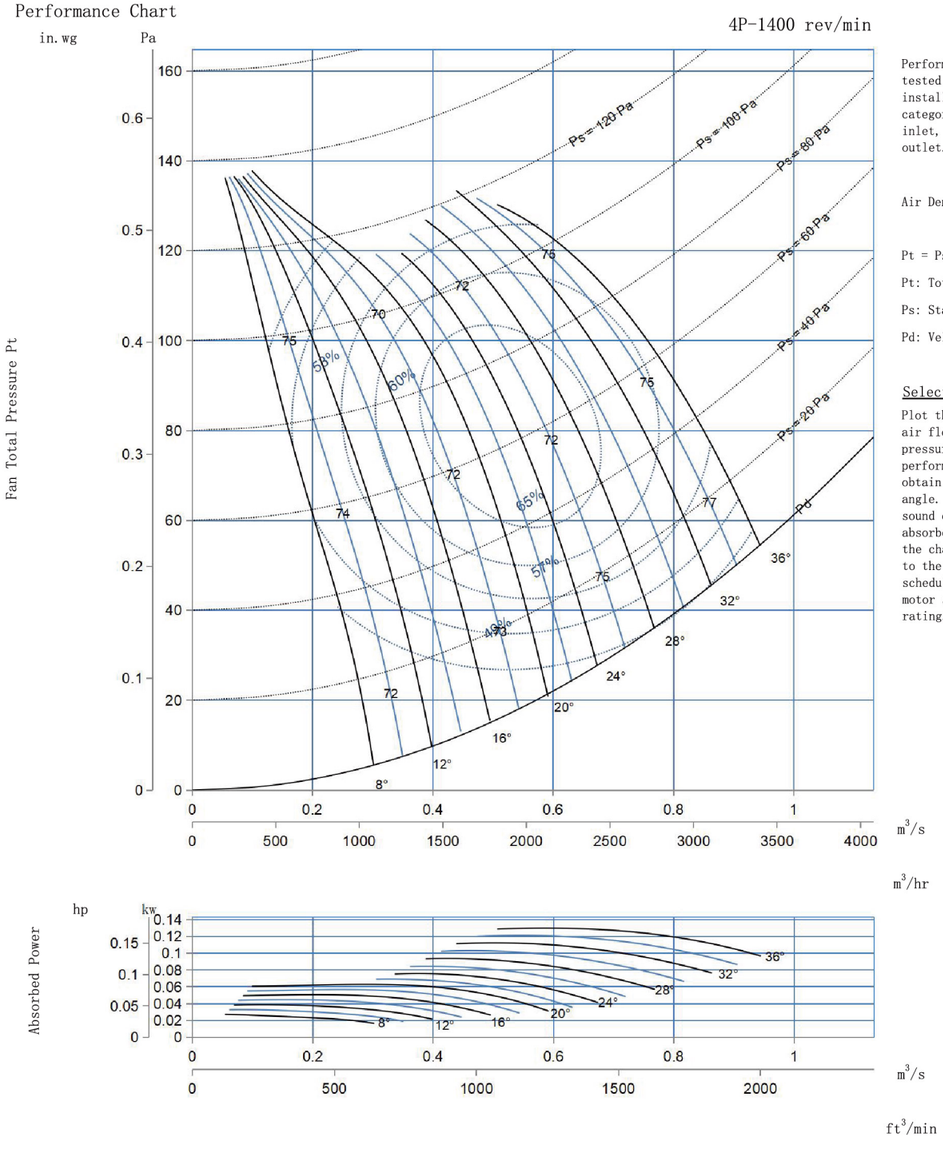
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№3.55-100/6

Performance Chart

4P-1400 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	75	74	74	73	72	72	72	72	72	73	74	74	75	76	76
Inlet A-weighted Sound Pressure Level															
dBA@1m	60	59	59	58	57	57	57	57	57	58	59	59	60	61	61
dBA@2m	54	53	53	52	51	51	51	51	51	52	53	53	54	55	55
dBA@3m	50	49	49	48	47	47	47	47	47	48	49	49	50	51	51
Outlet A-weighted Sound Pressure Level															
dBA@1m	60	60	59	58	57	57	57	57	57	58	59	60	60	61	61
dBA@2m	54	54	53	52	51	51	51	51	51	52	53	54	54	55	55
dBA@3m	50	50	49	48	47	47	47	47	47	48	49	50	50	51	51

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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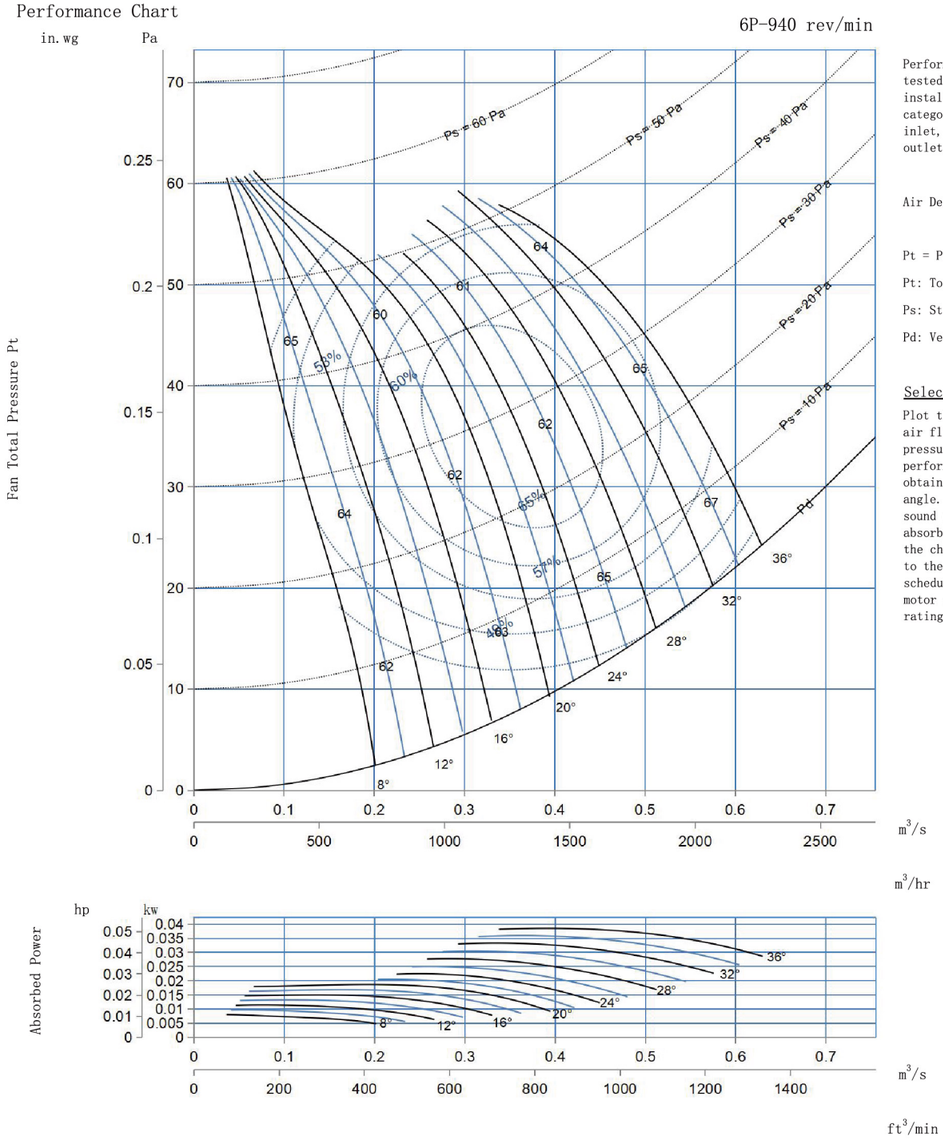
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№3.55-100/6

Performance Chart

6P-940 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	65	64	64	63	62	62	62	62	62	62	63	64	65	65	66
Inlet A-weighted Sound Pressure Level															
dBA@1m	54	53	52	52	51	51	51	51	50	51	52	53	54	54	54
dBA@2m	48	47	46	46	45	45	45	45	44	45	46	47	48	48	48
dBA@3m	44	43	42	42	41	41	41	41	40	41	42	43	44	44	44
Outlet A-weighted Sound Pressure Level															
dBA@1m	54	53	52	52	51	51	51	51	51	51	52	53	54	54	55
dBA@2m	48	47	46	46	45	45	45	45	45	45	46	47	48	48	49
dBA@3m	44	43	42	42	41	41	41	41	41	41	42	43	44	44	45

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 355 mm 50Hz

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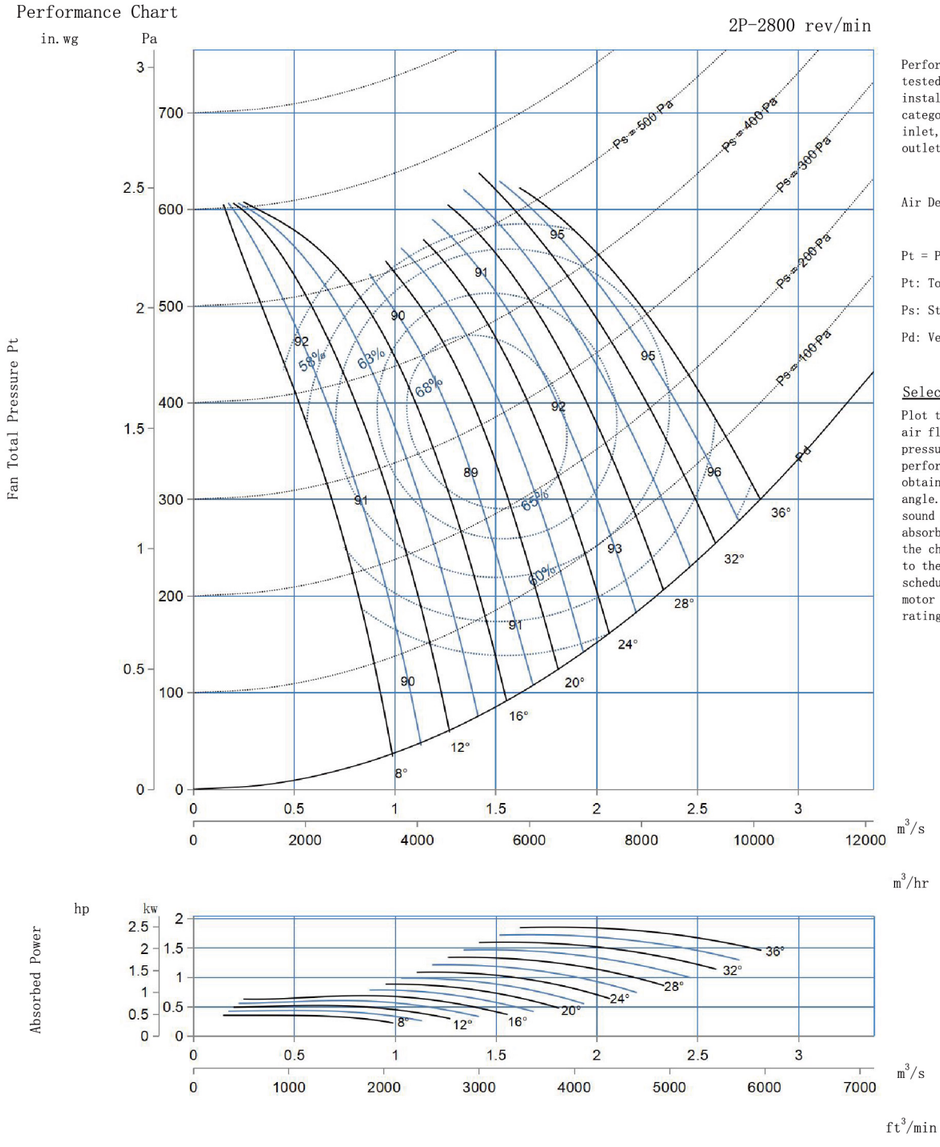
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№4-125/6

Performance Chart

2P-2800 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	93	92	91	90	90	90	90	91	91	92	93	93	94	95	96
Inlet A-weighted Sound Pressure Level															
dBA@1m	78	78	77	76	76	76	76	77	77	78	78	79	80	81	82
dBA@2m	72	72	71	70	70	70	70	71	71	72	72	73	74	75	76
dBA@3m	68	68	67	66	66	66	66	67	67	68	68	69	70	71	72
Outlet A-weighted Sound Pressure Level															
dBA@1m	79	78	78	77	76	77	77	77	78	78	79	80	81	82	82
dBA@2m	73	72	72	71	70	71	71	71	72	72	73	74	75	76	76
dBA@3m	69	68	68	67	66	67	67	67	68	68	69	70	71	72	72

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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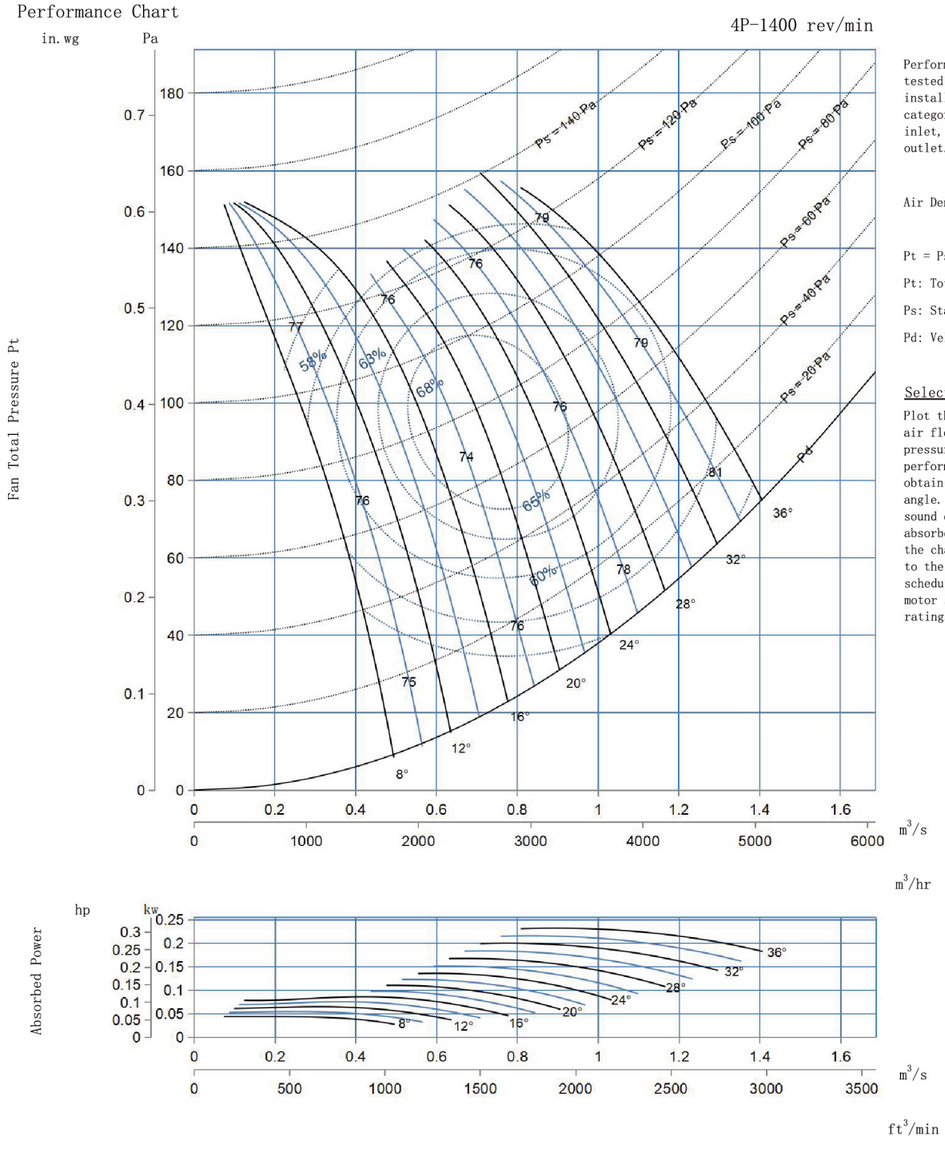
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№4-125/6

Performance Chart

4P-1400 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	77	77	76	75	75	75	75	75	76	76	77	78	78	79	80
Inlet A-weighted Sound Pressure Level															
dBA@1m	61	61	60	59	59	59	59	60	60	61	61	62	63	63	64
dBA@2m	55	55	54	53	53	53	53	54	54	55	55	56	57	57	58
dBA@3m	51	51	50	49	49	49	49	50	50	51	51	52	53	53	54
Outlet A-weighted Sound Pressure Level															
dBA@1m	62	61	61	60	59	59	60	60	60	61	62	62	63	64	64
dBA@2m	56	55	55	54	53	53	54	54	54	55	56	56	57	58	58
dBA@3m	52	51	51	50	49	49	50	50	50	51	52	52	53	54	54

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

Cast Aluminium Impeller Aerofoil Section Blades NXT-17 400 mm
Nanfeng Corporation

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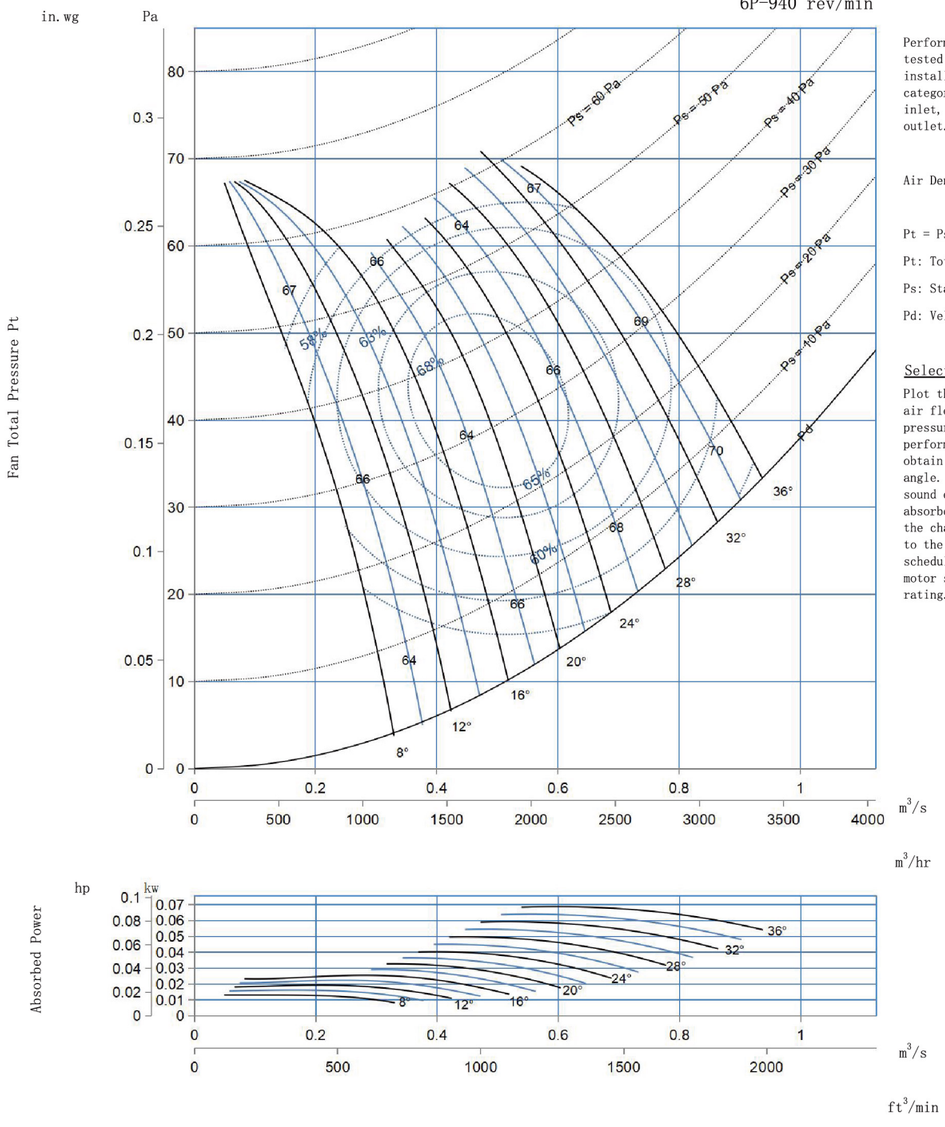
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№4-125/6

Performance Chart

6P-940 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	67	66	66	65	64	65	65	65	65	66	66	67	68	68	69
Inlet A-weighted Sound Pressure Level															
dBA@1m	56	55	55	54	53	53	54	54	54	55	55	56	56	57	58
dBA@2m	50	49	49	48	47	47	48	48	48	49	49	50	50	51	52
dBA@3m	46	45	45	44	43	43	44	44	44	45	45	46	46	47	48
Outlet A-weighted Sound Pressure Level															
dBA@1m	56	55	55	54	53	53	54	54	54	55	55	56	56	57	58
dBA@2m	50	49	49	48	47	47	48	48	48	49	49	50	50	51	52
dBA@3m	46	45	45	44	43	43	44	44	44	45	45	46	46	47	48

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

The "A"-weighting is an attempt to reflect the natural attention of sound and varies according to the distance of source to the listener and its environment.

Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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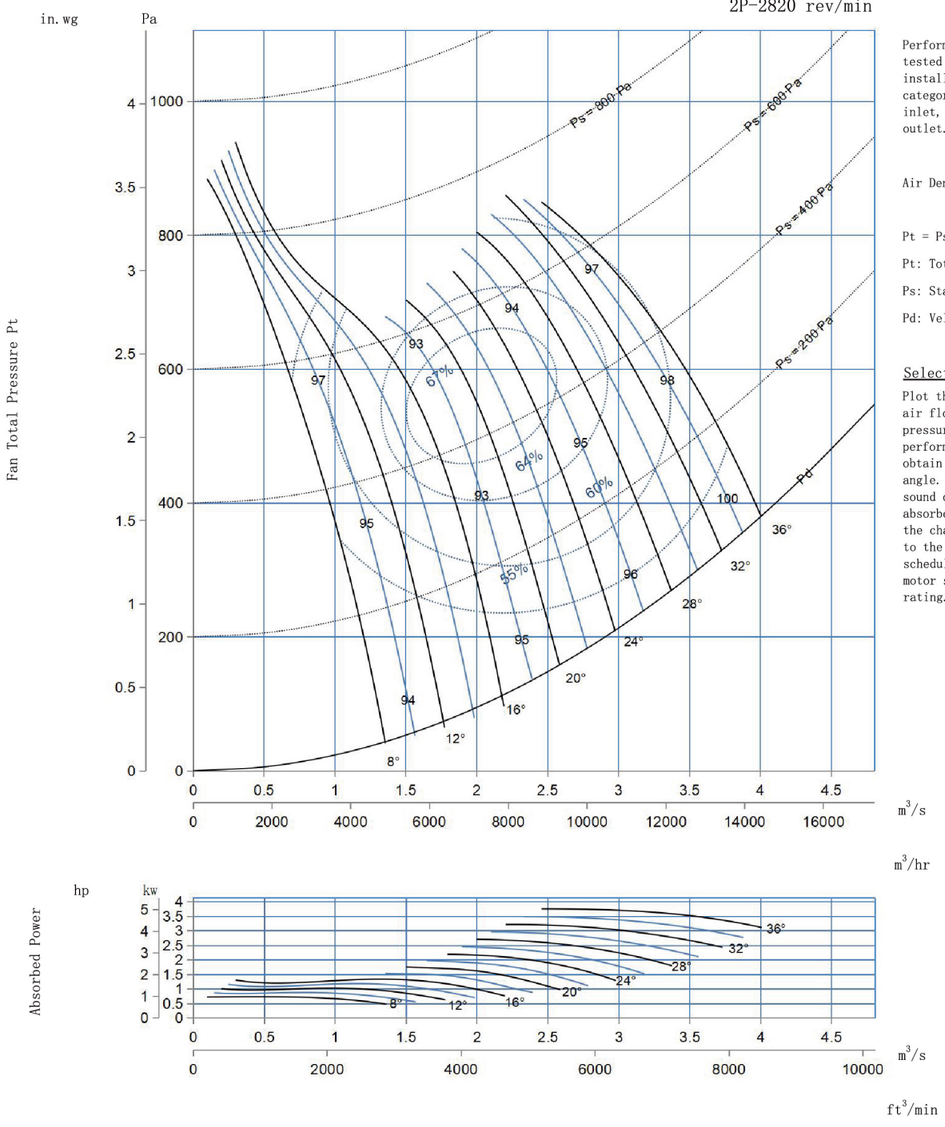
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№4.5-125/6

Performance Chart

2P-2820 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	97	96	95	94	93	94	94	94	94	95	96	96	97	98	99
Inlet A-weighted Sound Pressure Level															
dBA@1m	85	83	82	81	80	81	81	81	81	82	83	83	84	85	86
dBA@2m	79	77	76	75	74	75	75	75	75	76	77	77	78	79	80
dBA@3m	75	73	72	71	70	71	71	71	71	72	73	73	74	75	76
Outlet A-weighted Sound Pressure Level															
dBA@1m	85	84	83	82	81	81	81	81	82	82	83	84	84	85	86
dBA@2m	79	78	77	76	75	75	75	75	76	76	77	78	78	79	80
dBA@3m	75	74	73	72	71	71	71	71	72	72	73	74	74	75	76

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

The "A"-weighting is an attempt to reflect the natural attention of sound and varies according to the distance of source to the listener and its environment.

Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

Cast Aluminium Impeller Aerofoil Section Blades NXT-17 450 mm 50Hz

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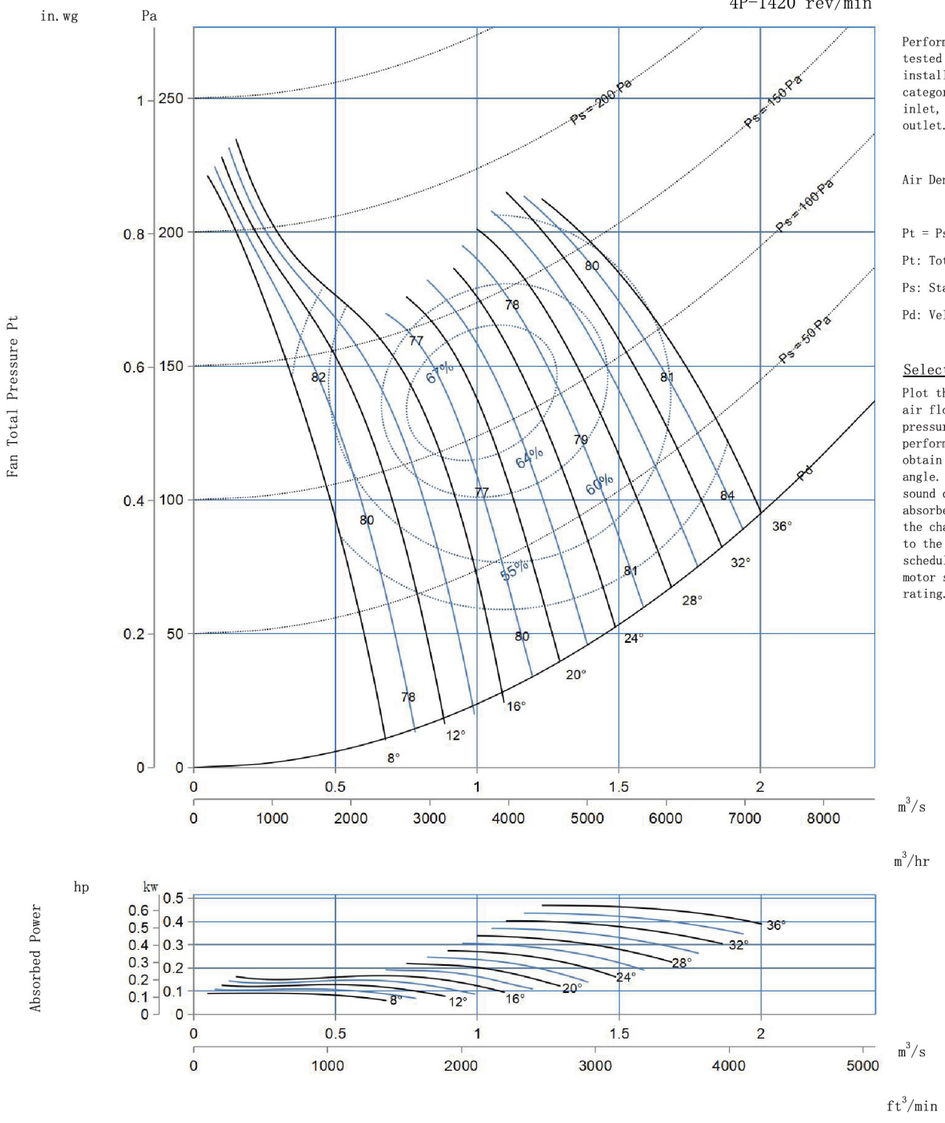
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№4.5-125/6

Performance Chart

4P-1420 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	82	81	80	79	78	78	78	78	78	79	80	80	81	82	82
Inlet A-weighted Sound Pressure Level															
dBA@1m	67	66	65	64	63	63	63	64	64	64	65	66	66	67	68
dBA@2m	61	60	59	58	57	57	57	58	58	58	59	60	60	61	62
dBA@3m	57	56	55	54	53	53	53	54	54	54	55	56	56	57	58
Outlet A-weighted Sound Pressure Level															
dBA@1m	67	66	65	64	63	63	63	64	64	64	65	66	66	67	68
dBA@2m	61	60	59	58	57	57	57	58	58	58	59	60	60	61	62
dBA@3m	57	56	55	54	53	53	53	54	54	54	55	56	56	57	58

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

The "A"-weighting is an attempt to reflect the natural attention of sound and varies according to the distance of source to the listener and its environment.

Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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Design, Manufacture & Service of Ventilator

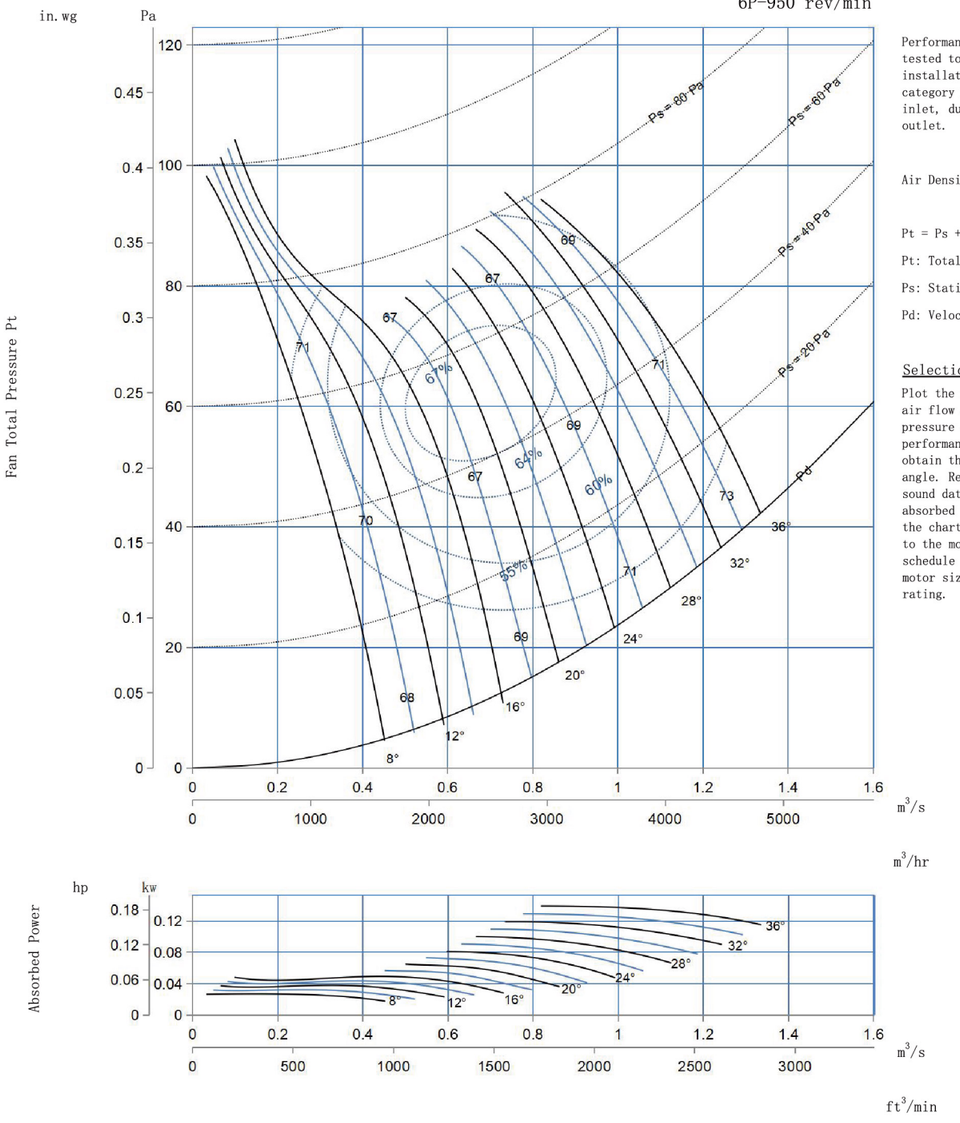
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№4.5-125/6

Performance Chart

6P-950 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	72	71	70	68	67	68	68	68	68	69	69	70	70	71	72
Inlet A-weighted Sound Pressure Level															
dBA@1m	56	55	54	53	52	52	52	52	52	53	53	54	54	55	56
dBA@2m	50	49	48	47	46	46	46	46	46	47	47	48	48	49	50
dBA@3m	46	45	44	43	42	42	42	42	42	43	43	44	44	45	46
Outlet A-weighted Sound Pressure Level															
dBA@1m	56	55	54	53	52	52	52	52	52	53	53	54	54	55	56
dBA@2m	50	49	48	47	46	46	46	46	46	47	47	48	48	49	50
dBA@3m	46	45	44	43	42	42	42	42	42	43	43	44	44	45	46

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 450 mm 50Hz
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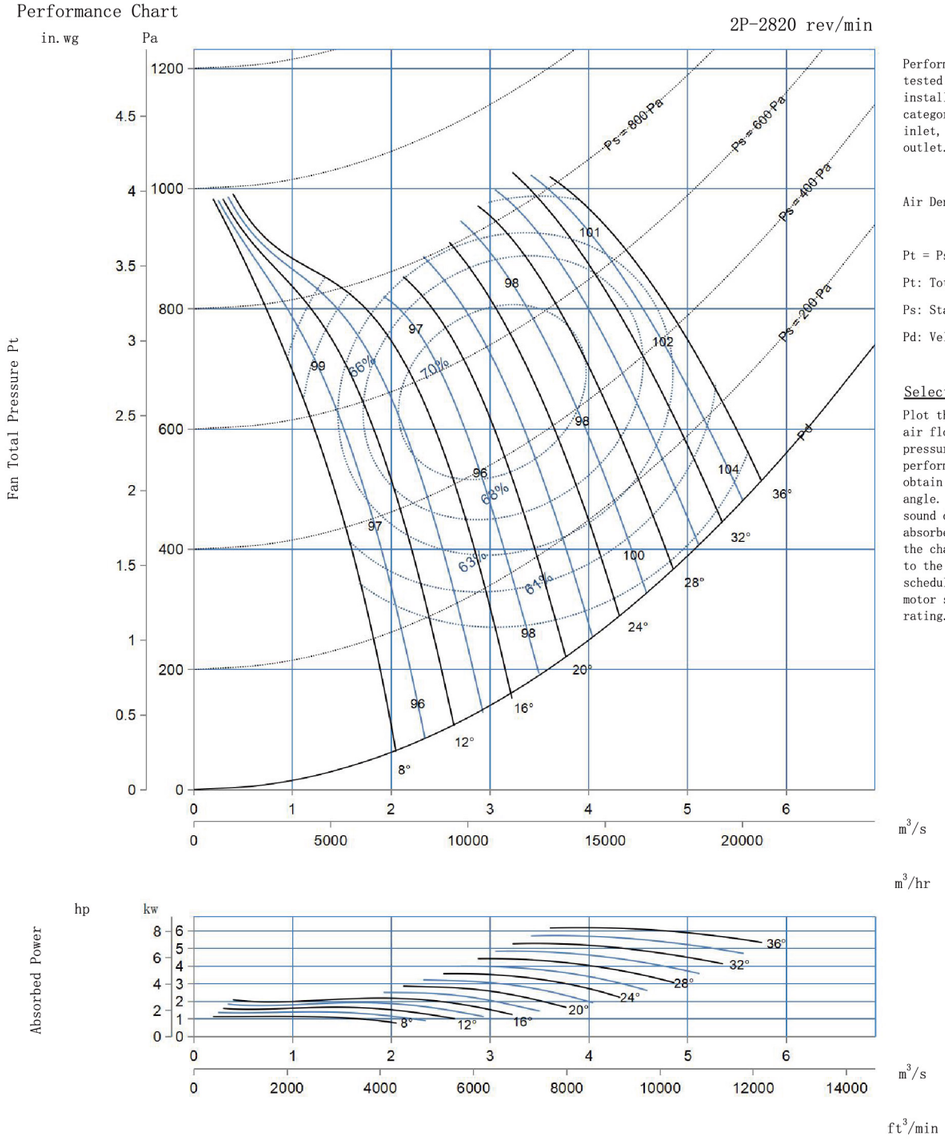
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№5-160/6

Performance Chart

2P-2820 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	99	98	98	97	96	97	97	97	98	99	100	100	101	102	103
Inlet A-weighted Sound Pressure Level															
dBA@1m	86	85	84	84	83	83	84	84	84	85	86	87	88	89	89
dBA@2m	80	79	78	78	77	77	78	78	78	79	80	81	82	83	83
dBA@3m	76	75	74	74	73	73	74	74	74	75	76	77	78	79	79
Outlet A-weighted Sound Pressure Level															
dBA@1m	86	86	85	84	84	84	84	85	85	86	87	88	88	89	90
dBA@2m	80	80	79	78	78	78	78	79	79	80	81	82	82	83	84
dBA@3m	76	76	75	74	74	74	74	75	75	76	77	78	78	79	80

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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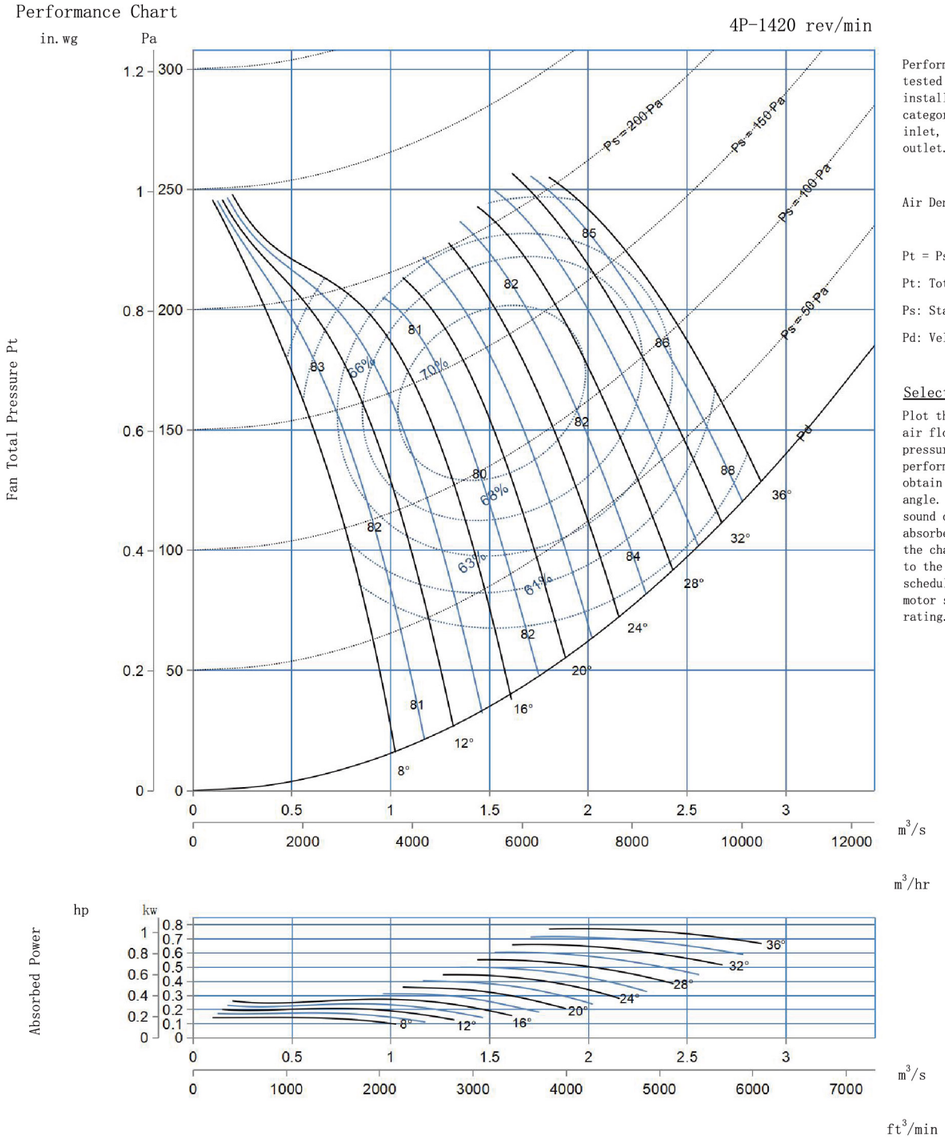
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№5-160/6

Performance Chart

4P-1420 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	84	83	82	82	81	81	81	82	82	83	83	84	85	86	87
Inlet A-weighted Sound Pressure Level															
dBA@1m	69	68	67	67	66	66	66	67	67	68	69	69	70	71	72
dBA@2m	63	62	61	61	60	60	60	61	61	62	63	63	64	65	66
dBA@3m	59	58	57	57	56	56	56	57	57	58	59	59	60	61	62
Outlet A-weighted Sound Pressure Level															
dBA@1m	69	68	67	67	66	66	66	67	67	68	69	69	70	71	72
dBA@2m	63	62	61	61	60	60	60	61	61	62	63	63	64	65	66
dBA@3m	59	58	57	57	56	56	56	57	57	58	59	59	60	61	62

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 500 mm 50Hz
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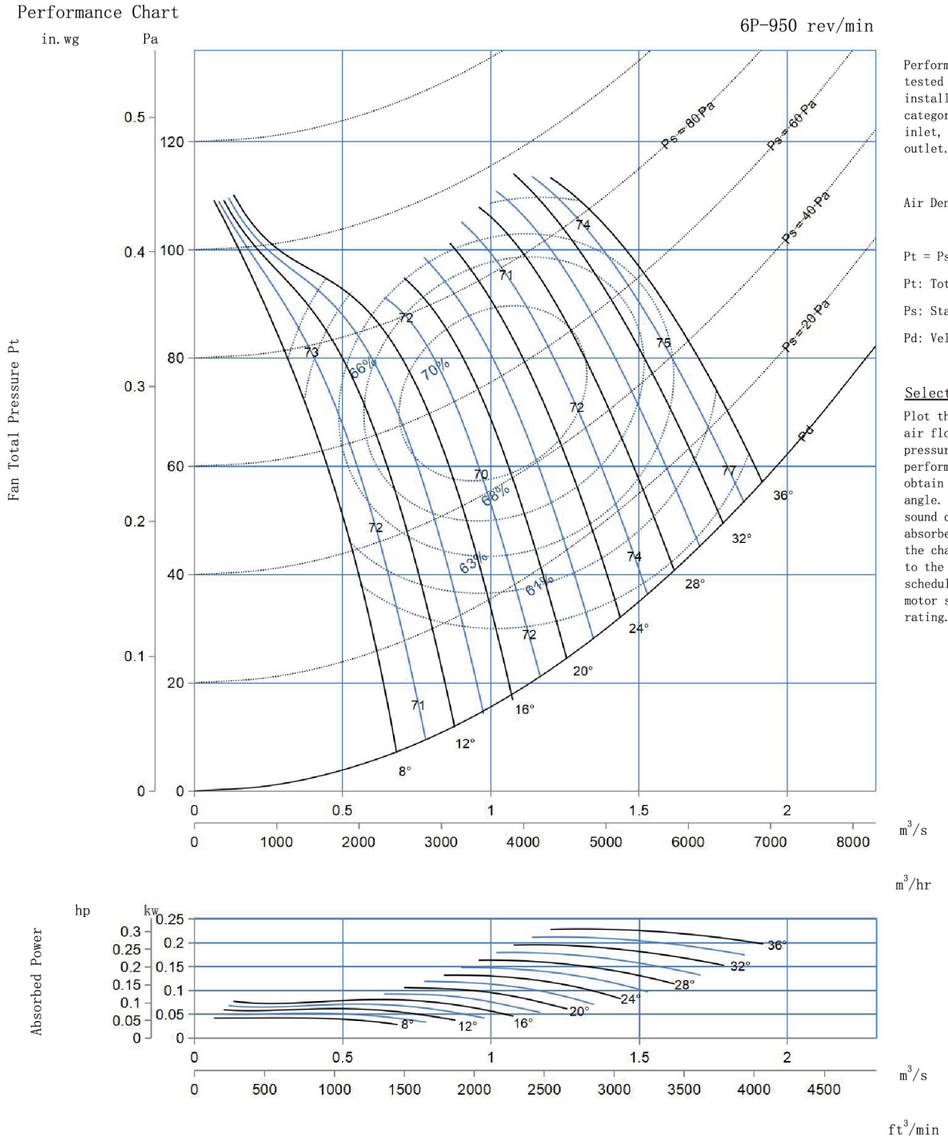
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№5-160/6

Performance Chart

6P-950 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	74	73	72	72	71	71	71	72	72	72	73	74	74	75	76
Inlet A-weighted Sound Pressure Level															
dBA@1m	63	62	61	61	60	60	60	61	61	61	62	63	63	64	65
dBA@2m	57	56	55	55	54	54	54	55	55	55	56	57	57	58	59
dBA@3m	53	52	51	51	50	50	50	51	51	51	52	53	53	54	55
Outlet A-weighted Sound Pressure Level															
dBA@1m	63	62	61	61	60	60	60	61	61	61	62	63	63	64	65
dBA@2m	57	56	55	55	54	54	54	55	55	55	56	57	57	58	59
dBA@3m	53	52	51	51	50	50	50	51	51	51	52	53	53	54	55

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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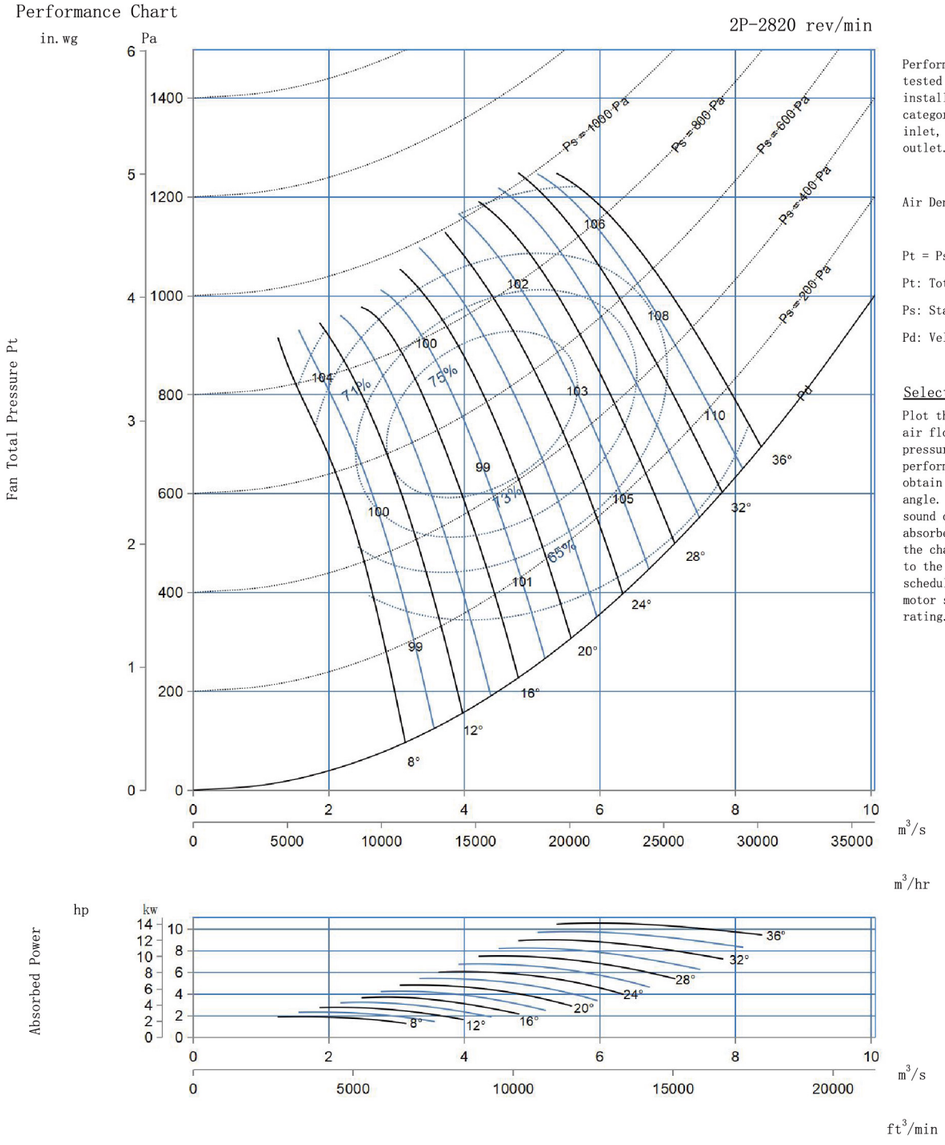
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№5.6-160/6

Performance Chart

2P-2820 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	102	101	101	100	100	100	101	101	102	103	104	106	107	108	108
Inlet A-weighted Sound Pressure Level															
dBA@1m	88	87	87	86	85	86	87	87	88	89	90	91	93	93	94
dBA@2m	82	81	81	80	79	80	81	81	82	83	84	85	87	87	88
dBA@3m	78	77	77	76	75	76	77	77	78	79	80	81	83	83	84
Outlet A-weighted Sound Pressure Level															
dBA@1m	88	88	87	87	86	87	87	88	89	90	91	92	93	94	95
dBA@2m	82	82	81	81	80	81	81	82	83	84	85	86	87	88	89
dBA@3m	78	78	77	77	76	77	77	78	79	80	81	82	83	84	85

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 560 mm 50Hz
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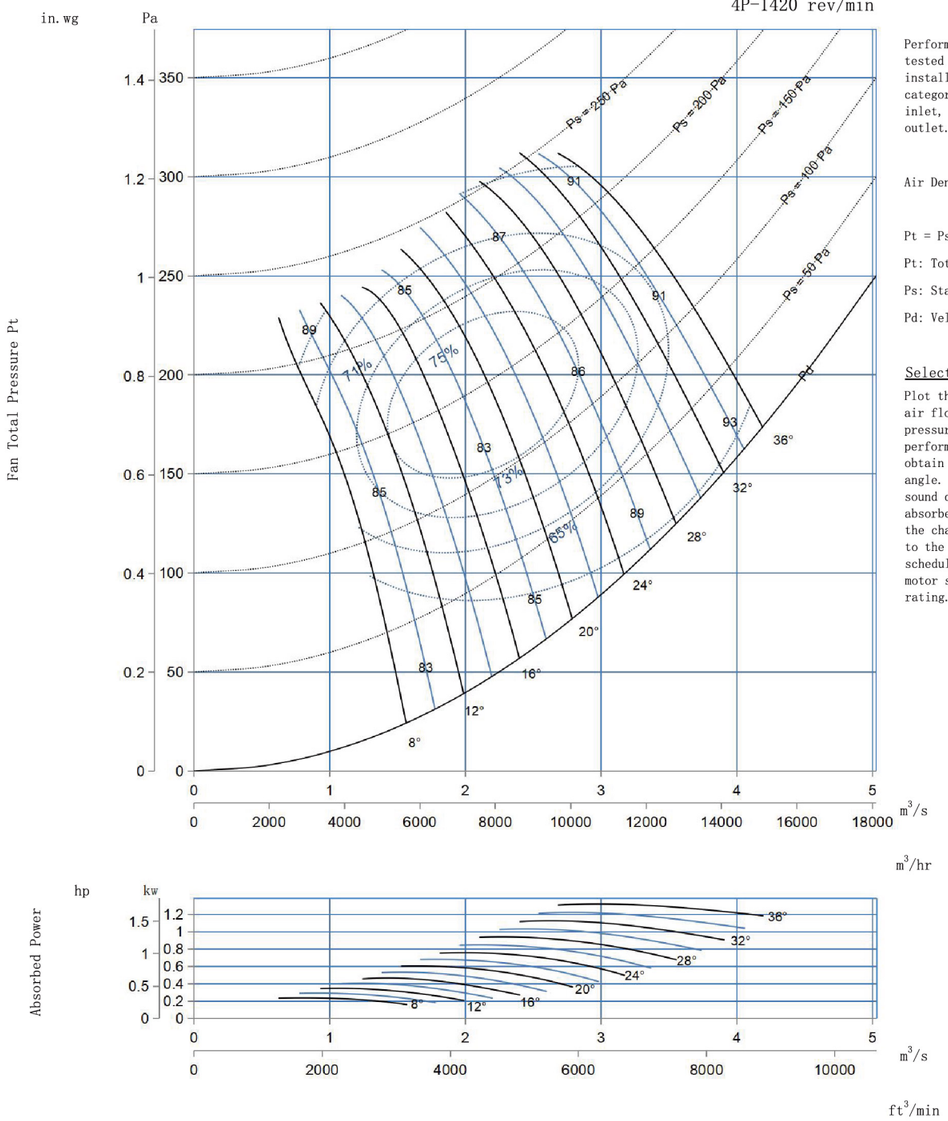
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№5.6-160/6

Performance Chart

4P-1420 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	86	86	85	84	84	84	85	85	86	87	88	89	90	91	92
Inlet A-weighted Sound Pressure Level															
dBA@1m	70	70	69	69	68	68	69	69	70	71	72	73	75	75	76
dBA@2m	64	64	63	63	62	62	63	63	64	65	66	67	69	69	70
dBA@3m	60	60	59	59	58	58	59	59	60	61	62	63	65	65	66
Outlet A-weighted Sound Pressure Level															
dBA@1m	71	70	69	69	68	69	69	70	70	71	72	74	75	75	76
dBA@2m	65	64	63	63	62	63	63	64	64	65	66	68	69	69	70
dBA@3m	61	60	59	59	58	59	59	60	60	61	62	64	65	65	66

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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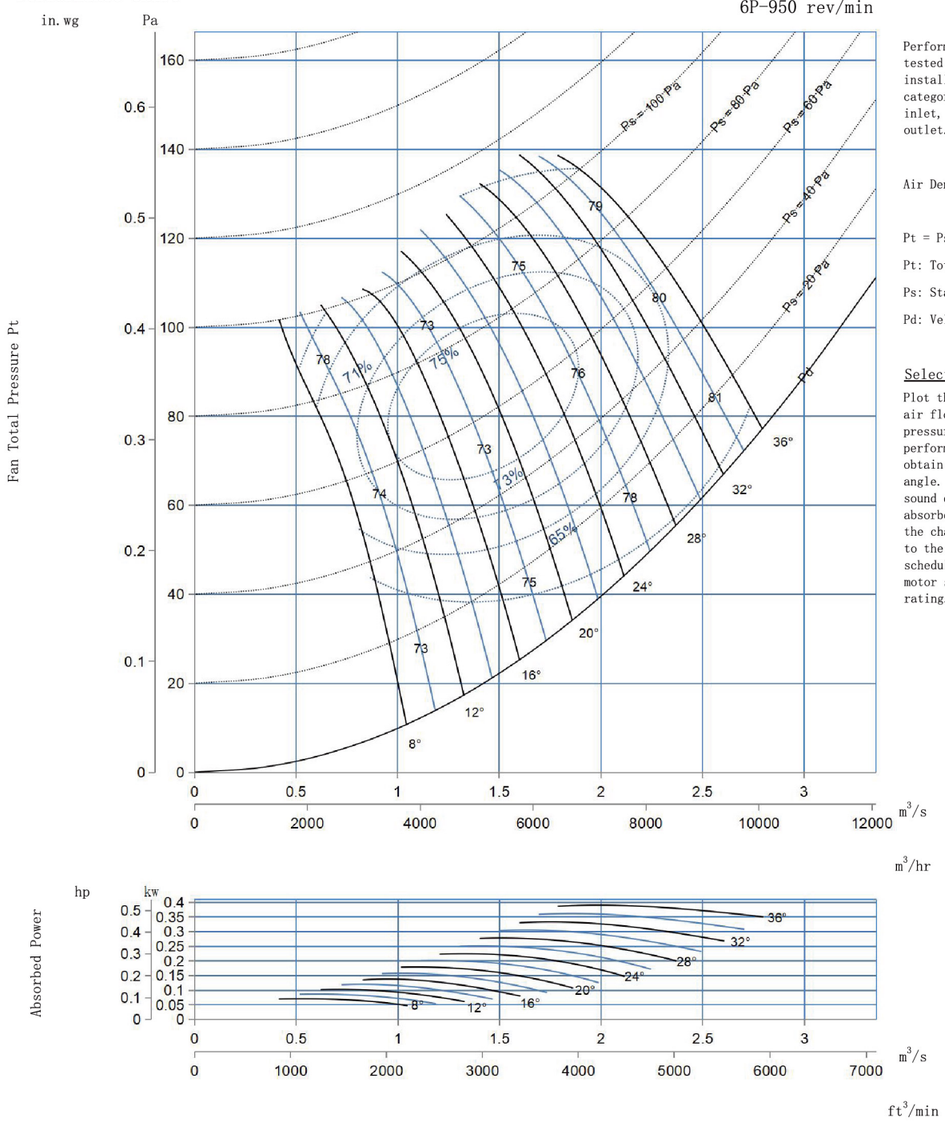
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№5.6-200/6

Performance Chart

6P-950 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	76	76	75	74	74	74	74	75	75	76	77	78	79	80	80
Inlet A-weighted Sound Pressure Level															
dBA@1m	59	59	58	57	57	57	58	58	59	59	60	61	62	63	63
dBA@2m	53	53	52	51	51	51	52	52	53	53	54	55	56	57	57
dBA@3m	49	49	48	47	47	47	48	48	49	49	50	51	52	53	53
Outlet A-weighted Sound Pressure Level															
dBA@1m	59	59	58	58	57	57	58	58	59	60	60	61	62	63	64
dBA@2m	53	53	52	52	51	51	52	52	53	54	54	55	56	57	58
dBA@3m	49	49	48	48	47	47	48	48	49	50	50	51	52	53	54

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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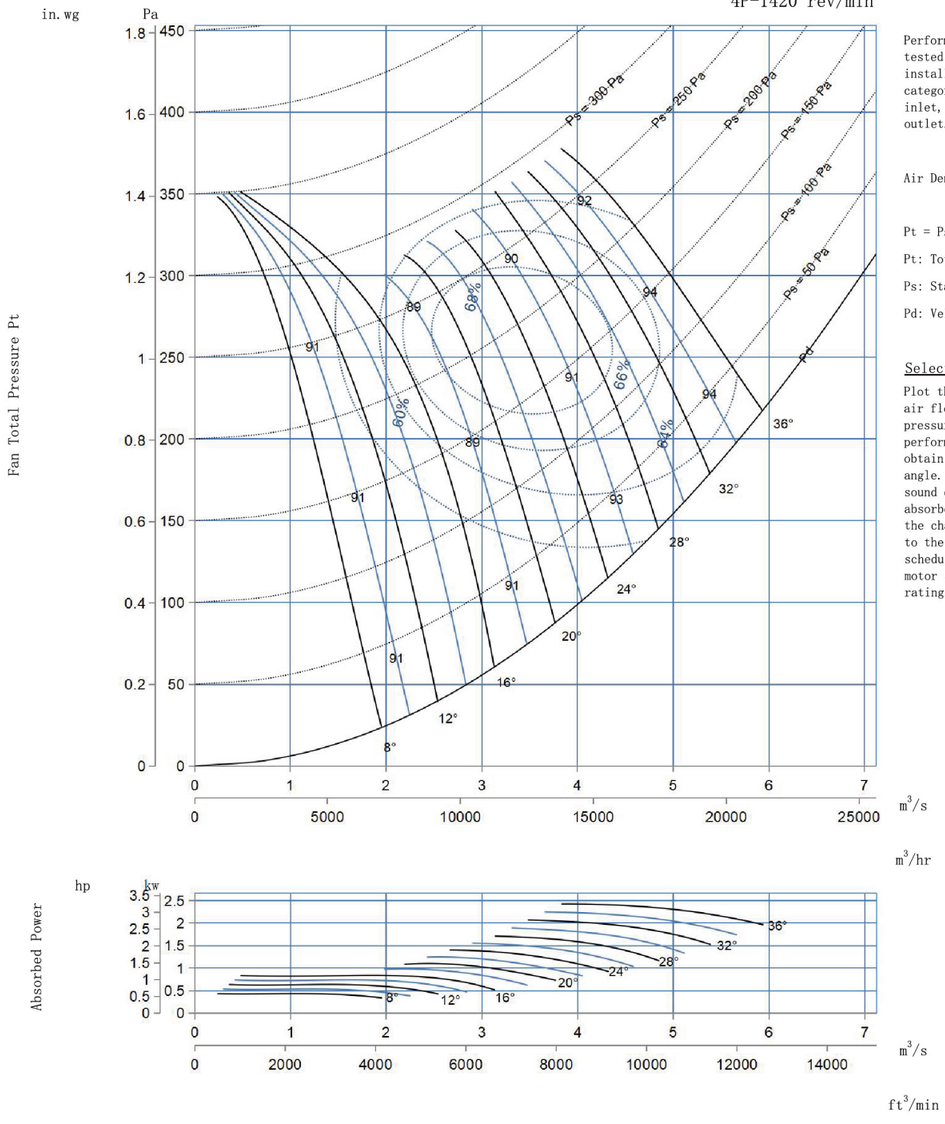
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№6.3-160/6

Performance Chart

4P-1420 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	92	91	91	90	89	90	90	90	91	91	92	92	93	93	94
Inlet A-weighted Sound Pressure Level															
dBA@1m	81	80	80	79	79	79	79	79	80	80	81	81	82	82	83
dBA@2m	75	74	74	73	73	73	73	73	74	74	75	75	76	76	77
dBA@3m	71	70	70	69	69	69	69	69	70	70	71	71	72	72	73
Outlet A-weighted Sound Pressure Level															
dBA@1m	84	83	83	82	81	82	82	82	83	83	84	84	85	85	86
dBA@2m	78	77	77	76	75	76	76	76	77	77	78	78	79	79	80
dBA@3m	74	73	73	72	71	72	72	72	73	73	74	74	75	75	76

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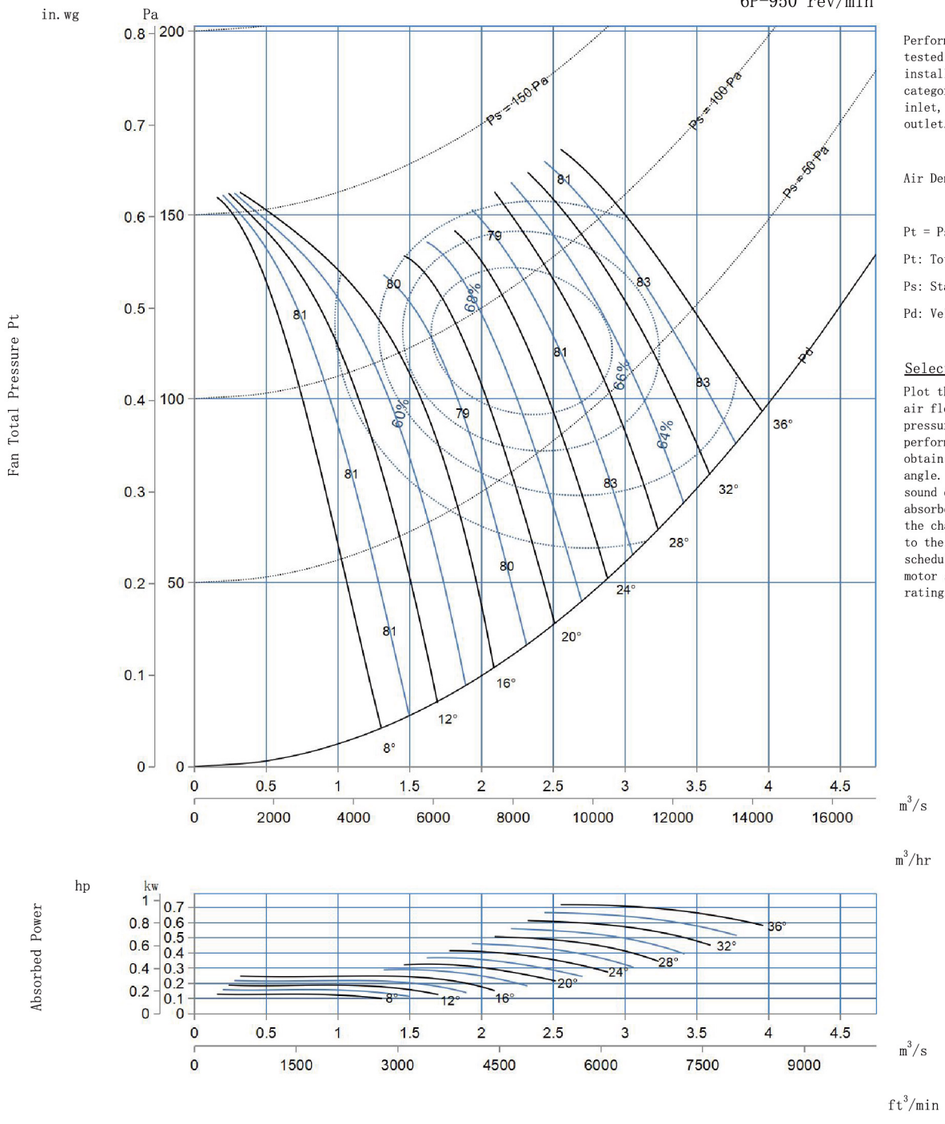
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№6.3-160/6

Performance Chart

6P-950 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	82	81	80	80	79	79	80	80	80	80	81	81	82	83	83
Inlet A-weighted Sound Pressure Level															
dBA@1m	71	70	69	69	68	68	68	69	69	69	70	70	71	71	72
dBA@2m	65	64	63	63	62	62	62	63	63	63	64	64	65	65	66
dBA@3m	61	60	59	59	58	58	58	59	59	59	60	60	61	61	62
Outlet A-weighted Sound Pressure Level															
dBA@1m	71	70	69	69	68	68	68	69	69	69	70	70	71	71	72
dBA@2m	65	64	63	63	62	62	62	63	63	63	64	64	65	65	66
dBA@3m	61	60	59	59	58	58	58	59	59	59	60	60	61	61	62

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 630 mm 50Hz

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Quality System Certified
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Design, Manufacture & Service of Ventilator

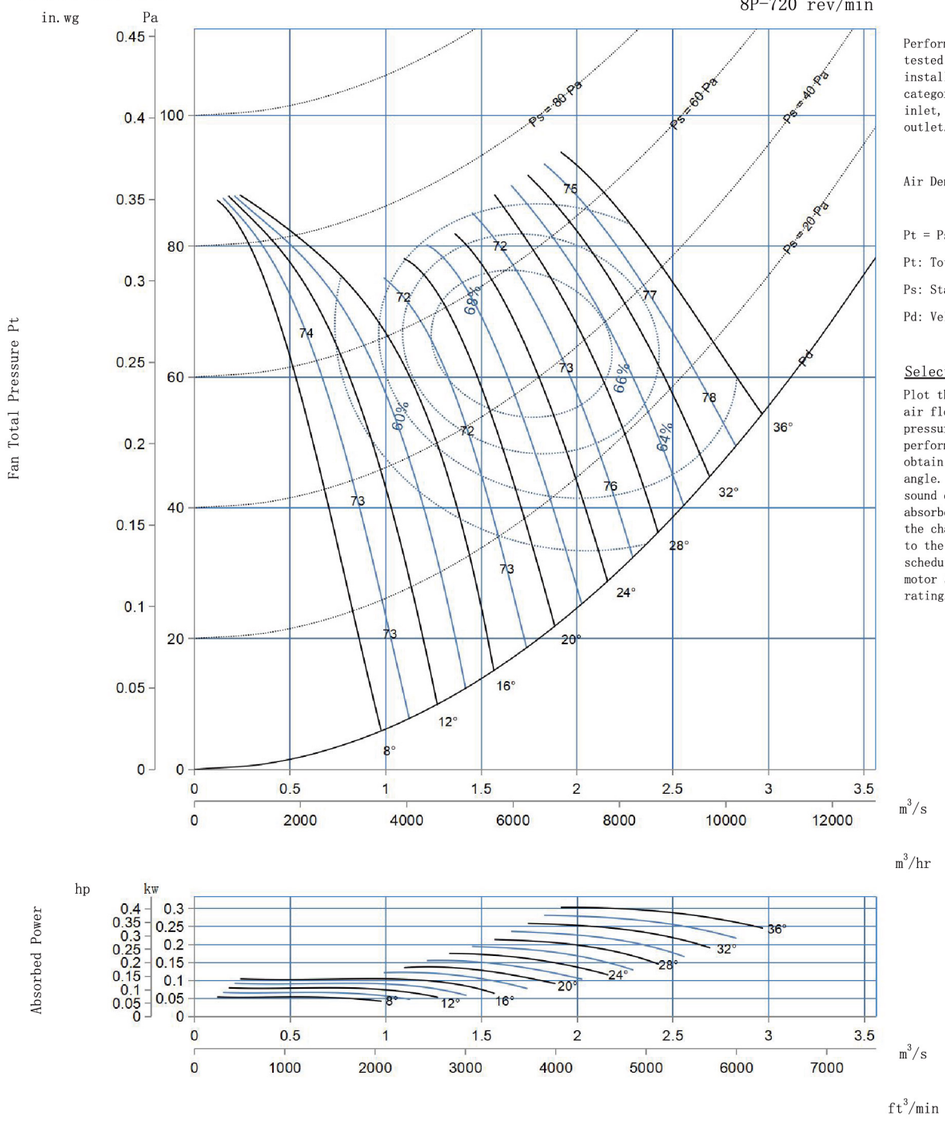
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№6.3-160/6

Performance Chart

8P-720 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	74	73	73	72	72	72	72	72	72	73	74	75	75	76	77
Inlet A-weighted Sound Pressure Level															
dBA@1m	63	62	62	61	60	61	61	61	61	62	63	63	64	65	66
dBA@2m	57	56	56	55	54	55	55	55	55	56	57	57	58	59	60
dBA@3m	53	52	52	51	50	51	51	51	51	52	53	53	54	55	56
Outlet A-weighted Sound Pressure Level															
dBA@1m	63	62	62	61	60	61	61	61	61	62	63	63	64	65	66
dBA@2m	57	56	56	55	54	55	55	55	55	56	57	57	58	59	60
dBA@3m	53	52	52	51	50	51	51	51	51	52	53	53	54	55	56

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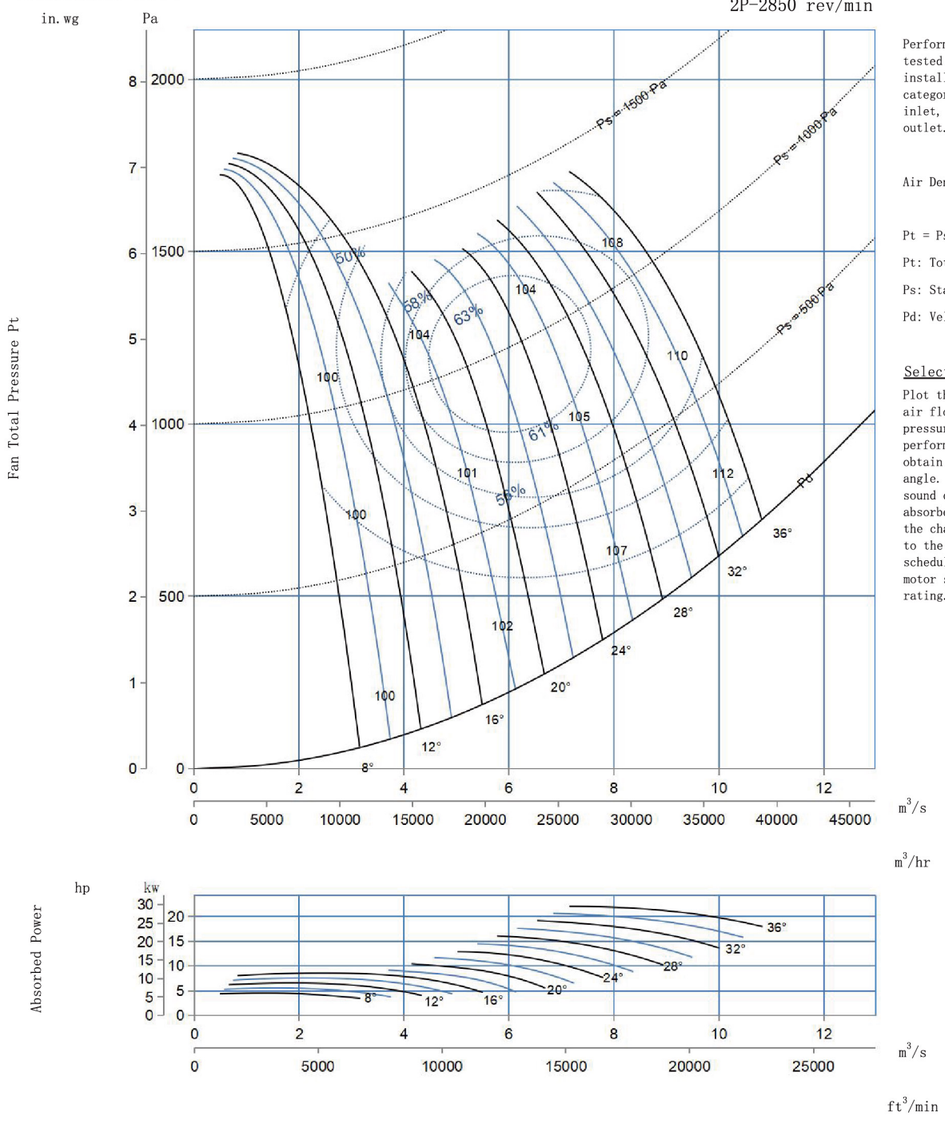
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№6.3-200/9

Performance Chart

2P-2850 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	103	102	102	102	102	103	103	104	105	106	107	108	109	110	111
Inlet A-weighted Sound Pressure Level															
dBA@1m	93	93	93	93	93	93	94	95	95	96	98	99	100	101	102
dBA@2m	87	87	87	87	87	87	88	89	89	90	92	93	94	95	96
dBA@3m	83	83	83	83	83	83	84	85	85	86	88	89	90	91	92
Outlet A-weighted Sound Pressure Level															
dBA@1m	93	93	93	93	93	94	94	95	95	97	98	99	100	101	102
dBA@2m	87	87	87	87	87	88	88	89	89	91	92	93	94	95	96
dBA@3m	83	83	83	83	83	84	84	85	85	87	88	89	90	91	92

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 630 mm 50Hz

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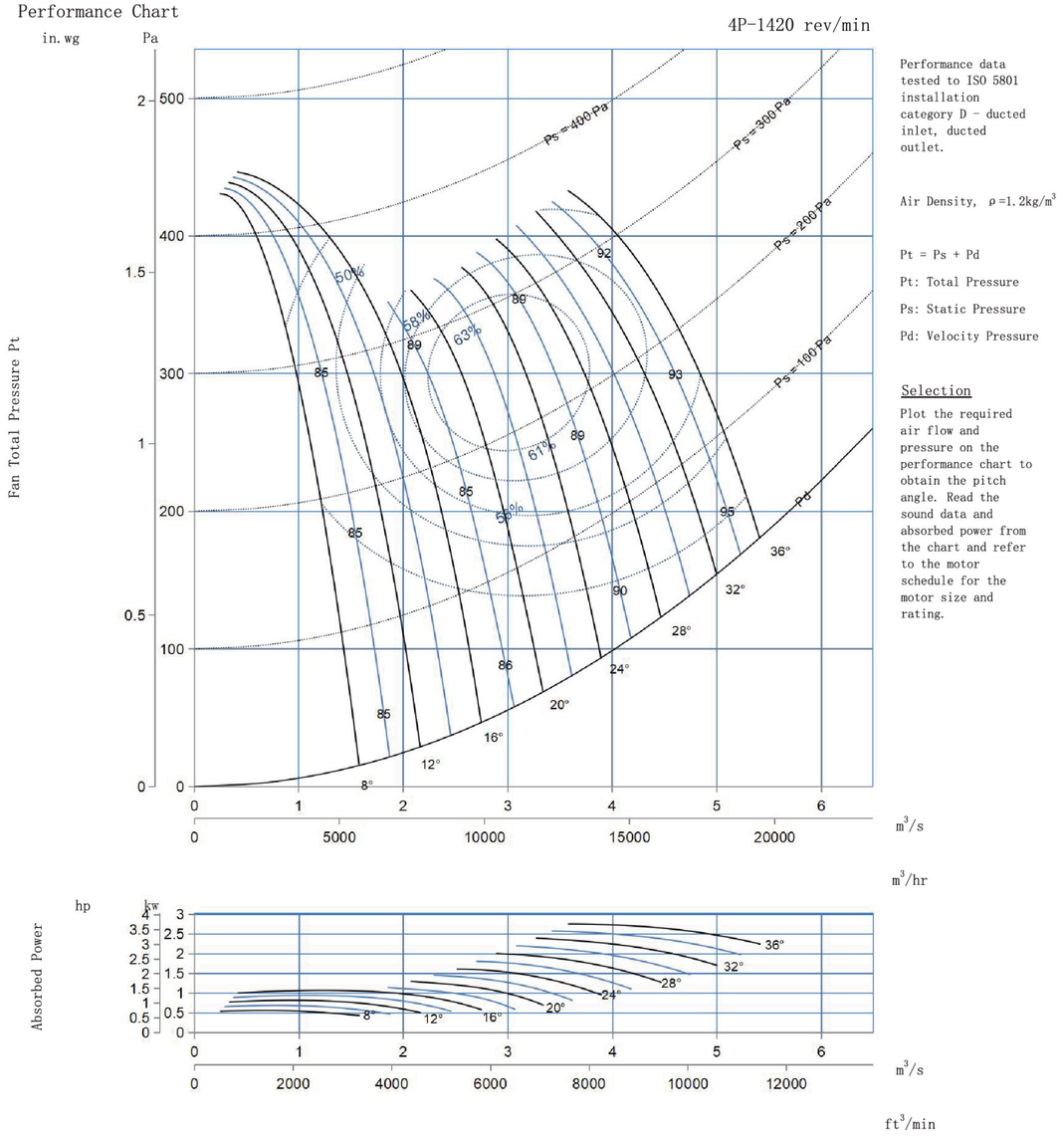
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№6.3-200/9

Performance Chart

4P-1420 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	87	87	87	87	86	87	87	88	88	89	90	92	93	94	95
Inlet A-weighted Sound Pressure Level															
dBA@1m	79	79	79	79	79	79	79	80	80	81	83	84	85	86	87
dBA@2m	73	73	73	73	73	73	73	74	74	75	77	78	79	80	81
dBA@3m	69	69	69	69	69	69	69	70	70	71	73	74	75	76	77
Outlet A-weighted Sound Pressure Level															
dBA@1m	79	79	79	79	79	79	79	80	80	81	83	84	85	86	87
dBA@2m	73	73	73	73	73	73	73	74	74	75	77	78	79	80	81
dBA@3m	69	69	69	69	69	69	69	70	70	71	73	74	75	76	77

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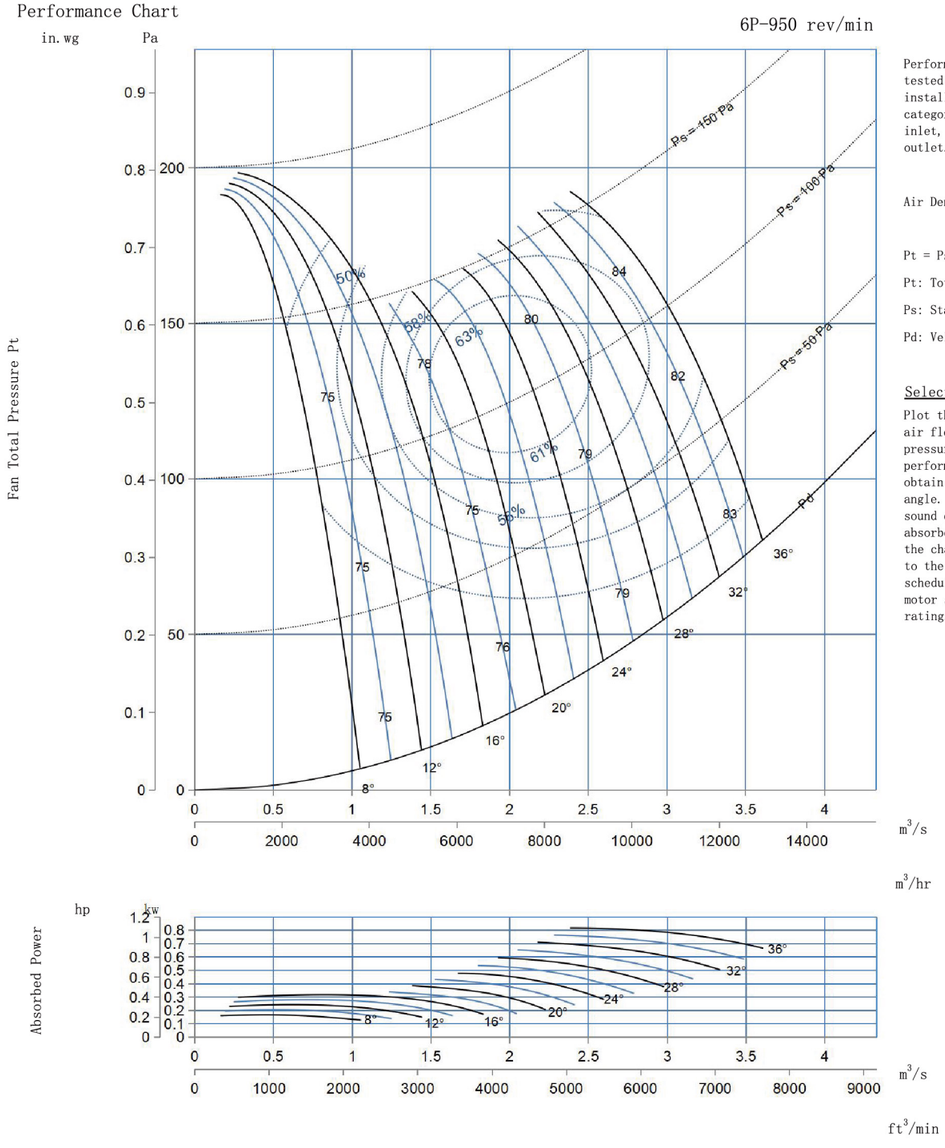
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№6.3-200/9

Performance Chart

6P-950 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	78	78	77	77	77	77	77	78	78	79	80	80	81	82	83
Inlet A-weighted Sound Pressure Level															
dBA@1m	70	70	70	70	69	70	70	70	70	71	72	73	74	75	76
dBA@2m	64	64	64	64	63	64	64	64	64	65	66	67	68	69	70
dBA@3m	60	60	60	60	59	60	60	60	60	61	62	63	64	65	66
Outlet A-weighted Sound Pressure Level															
dBA@1m	70	70	70	70	69	70	70	70	70	71	72	73	74	75	76
dBA@2m	64	64	64	64	63	64	64	64	64	65	66	67	68	69	70
dBA@3m	60	60	60	60	59	60	60	60	60	61	62	63	64	65	66

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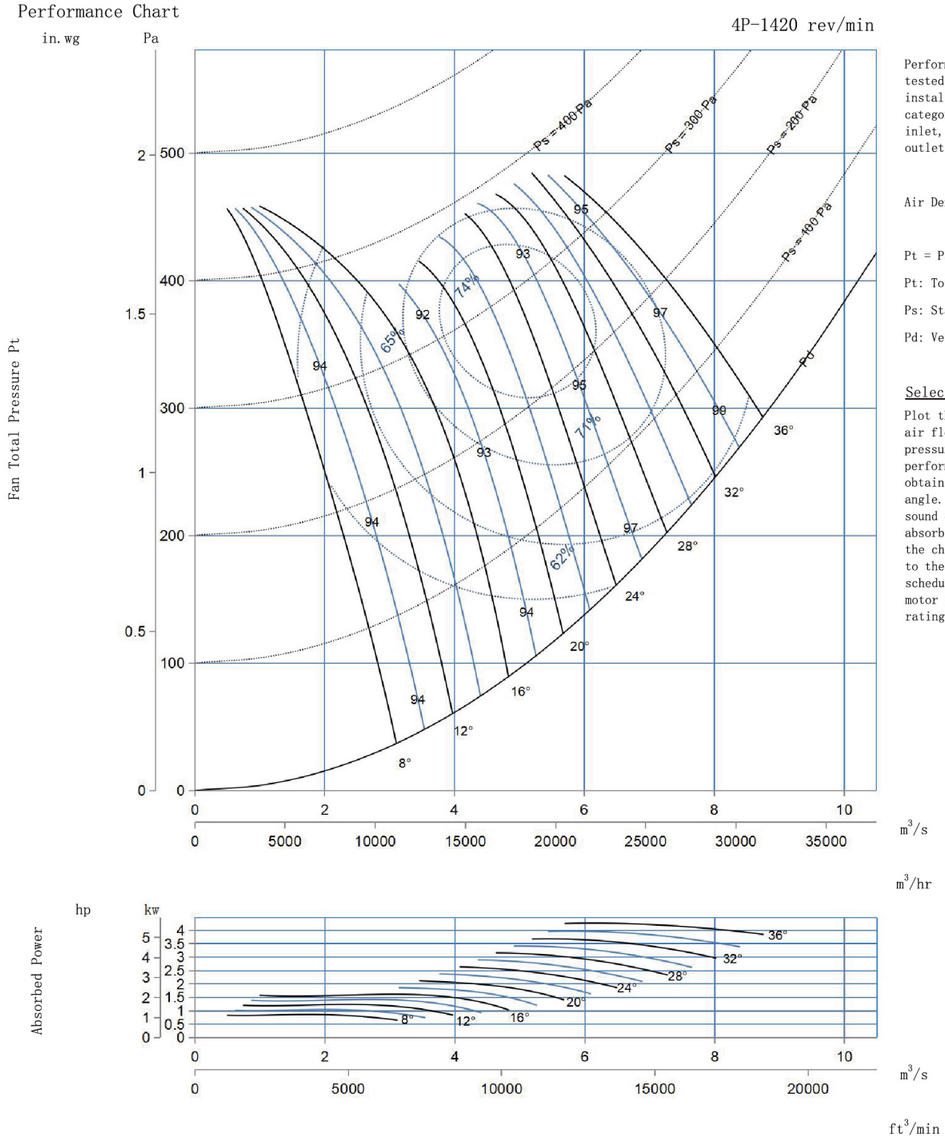
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№7.1-200/6

Performance Chart

4P-1420 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	95	94	94	93	93	93	93	94	94	94	95	96	96	97	97
Inlet A-weighted Sound Pressure Level															
dBA@1m	85	84	84	83	83	83	83	84	84	84	85	86	86	87	87
dBA@2m	79	78	78	77	77	77	77	78	78	78	79	80	80	81	81
dBA@3m	75	74	74	73	73	73	73	74	74	74	75	76	76	77	77
Outlet A-weighted Sound Pressure Level															
dBA@1m	80	80	79	79	78	78	79	79	79	80	80	81	81	82	83
dBA@2m	74	74	73	73	72	72	73	73	73	74	74	75	75	76	77
dBA@3m	70	70	69	69	68	68	69	69	69	70	70	71	71	72	73

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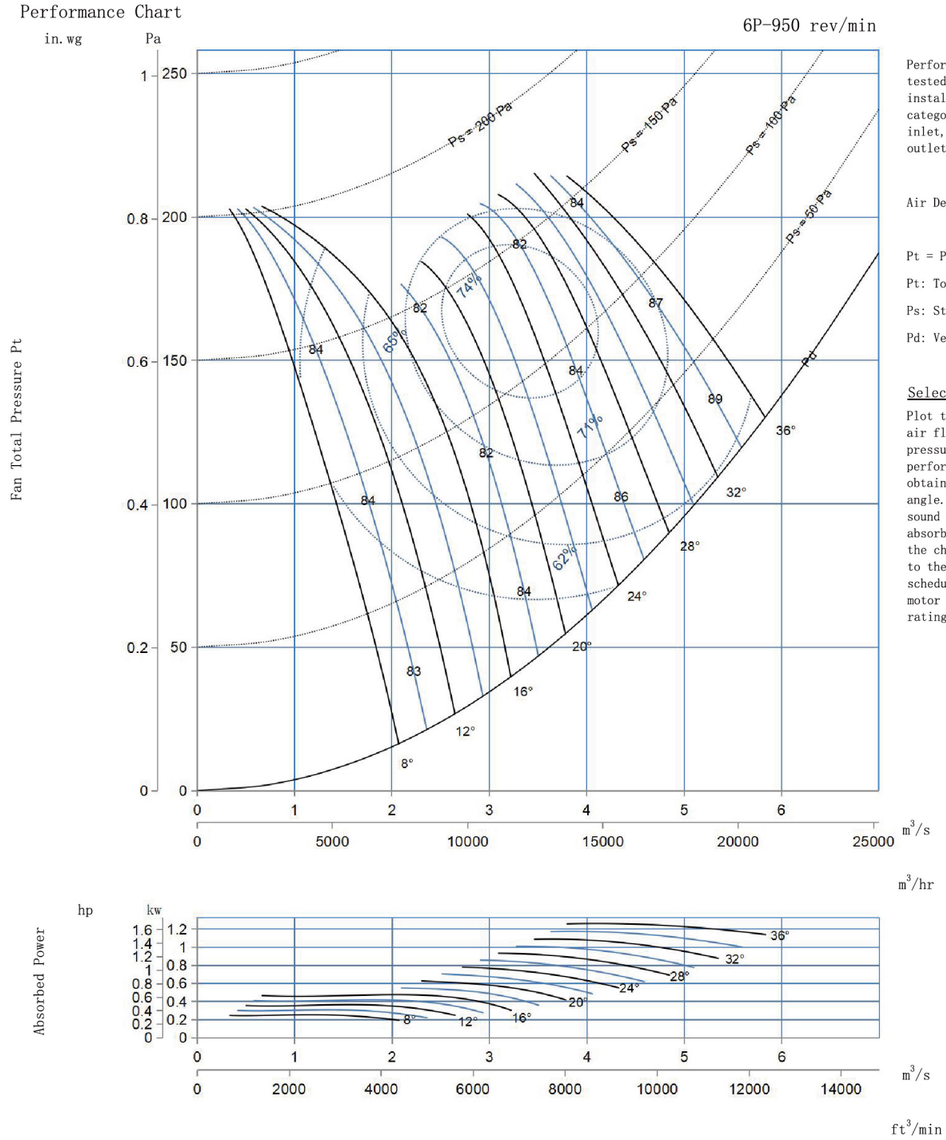
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№7.1-200/6

Performance Chart

6P-950 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	84	84	83	83	82	83	83	83	83	84	84	85	86	86	87
Inlet A-weighted Sound Pressure Level															
dBA@1m	68	68	67	67	66	66	66	67	67	67	68	69	69	70	70
dBA@2m	62	62	61	61	60	60	60	61	61	61	62	63	63	64	64
dBA@3m	58	58	57	57	56	56	56	57	57	57	58	59	59	60	60
Outlet A-weighted Sound Pressure Level															
dBA@1m	68	68	67	67	66	66	67	67	67	67	68	69	69	70	70
dBA@2m	62	62	61	61	60	60	61	61	61	61	62	63	63	64	64
dBA@3m	58	58	57	57	56	56	57	57	57	57	58	59	59	60	60

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 710 mm 50Hz

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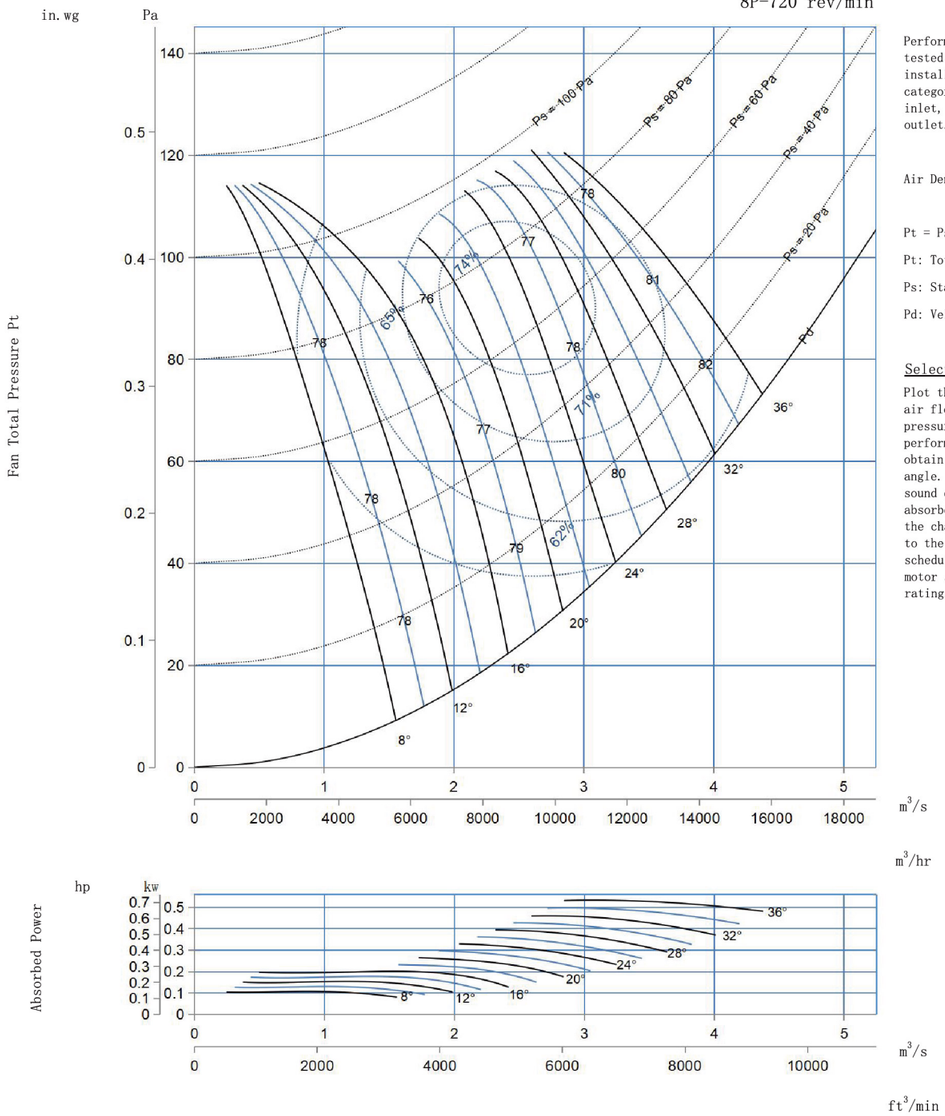
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№7.1-200/6

Performance Chart

8P-720 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	79	78	78	77	77	77	77	77	77	78	78	79	80	80	81
Inlet A-weighted Sound Pressure Level															
dBA@1m	62	61	61	60	60	60	60	60	60	61	62	62	63	63	64
dBA@2m	56	55	55	54	54	54	54	54	54	55	56	56	57	57	58
dBA@3m	52	51	51	50	50	50	50	50	50	51	52	52	53	53	54
Outlet A-weighted Sound Pressure Level															
dBA@1m	62	61	61	60	60	60	60	60	60	61	62	62	63	63	64
dBA@2m	56	55	55	54	54	54	54	54	54	55	56	56	57	57	58
dBA@3m	52	51	51	50	50	50	50	50	50	51	52	52	53	53	54

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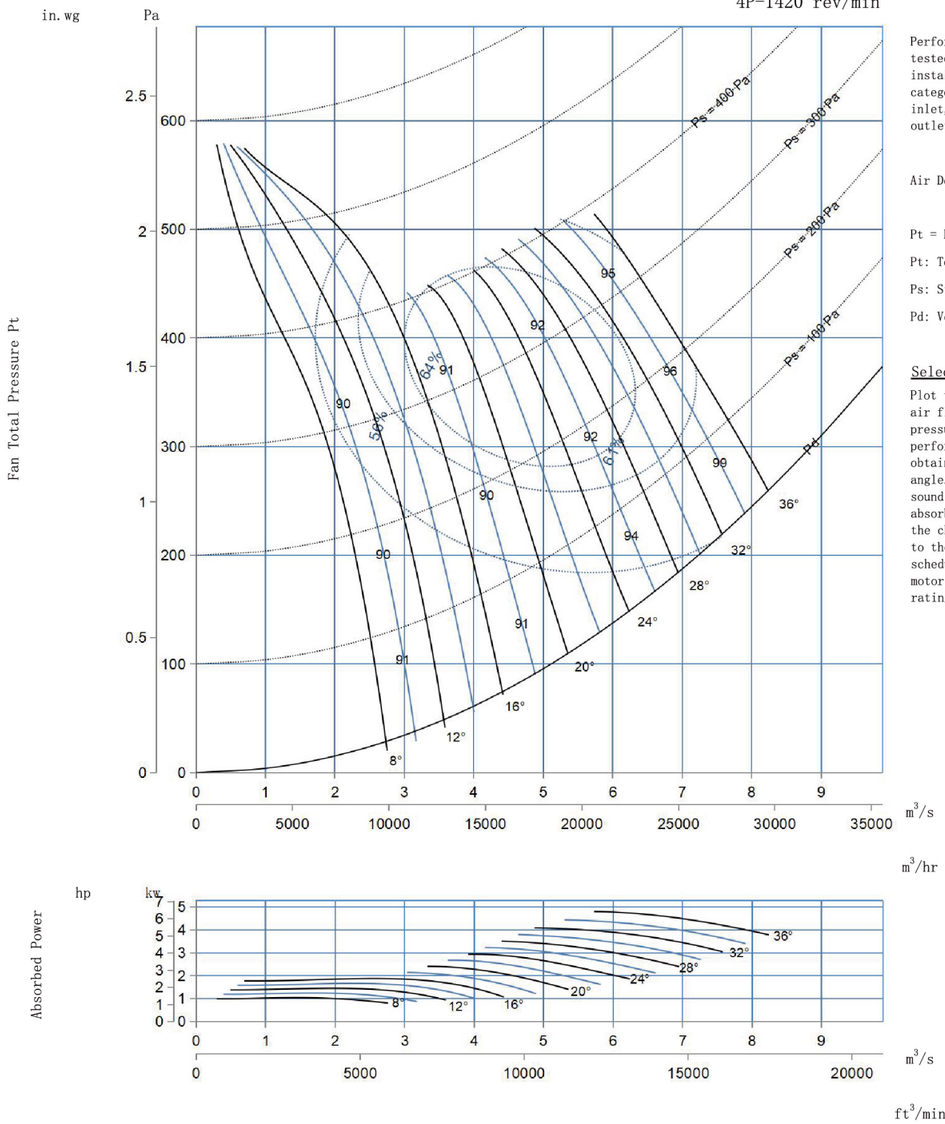
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№7.1-250/9

Performance Chart

4P-1420 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	92	92	92	91	91	91	91	92	92	93	94	94	95	96	97
Inlet A-weighted Sound Pressure Level															
dBA@1m	77	77	77	76	76	76	76	77	77	78	79	79	80	81	82
dBA@2m	71	71	71	70	70	70	70	71	71	72	73	73	74	75	76
dBA@3m	67	67	67	66	66	66	66	67	67	68	69	69	70	71	72
Outlet A-weighted Sound Pressure Level															
dBA@1m	82	82	82	82	81	82	82	82	82	83	84	85	86	86	87
dBA@2m	76	76	76	76	75	76	76	76	76	77	78	79	80	80	81
dBA@3m	72	72	72	72	71	72	72	72	72	73	74	75	76	76	77

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 710 mm 50Hz

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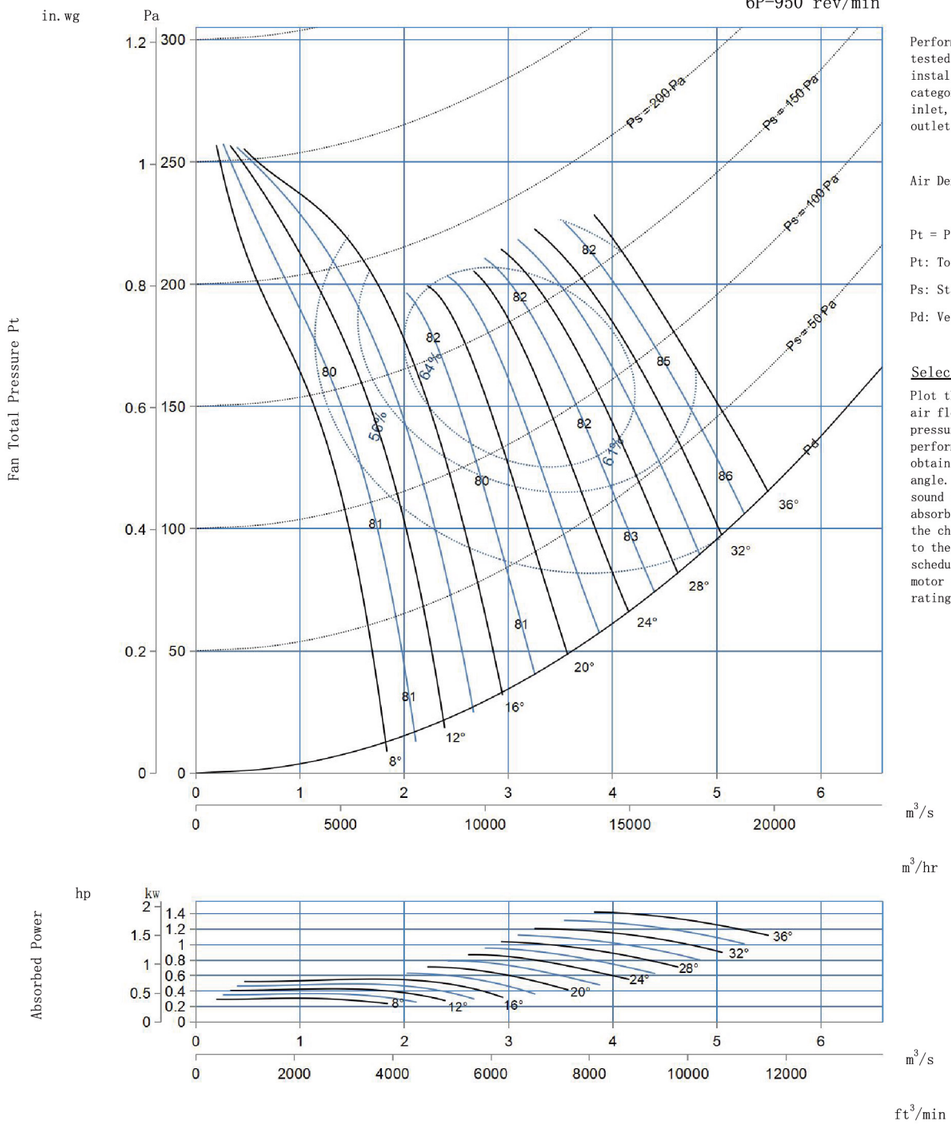
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№7.1-250/9

Performance Chart

6P-950 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	82	82	82	81	81	81	81	81	81	82	83	83	84	85	85
Inlet A-weighted Sound Pressure Level															
dBA@1m	66	66	66	65	65	65	65	65	65	66	67	67	68	69	69
dBA@2m	60	60	60	59	59	59	59	59	59	60	61	61	62	63	63
dBA@3m	56	56	56	55	55	55	55	55	55	56	57	57	58	59	59
Outlet A-weighted Sound Pressure Level															
dBA@1m	66	66	66	65	65	65	65	65	65	66	67	67	68	69	69
dBA@2m	60	60	60	59	59	59	59	59	59	60	61	61	62	63	63
dBA@3m	56	56	56	55	55	55	55	55	55	56	57	57	58	59	59

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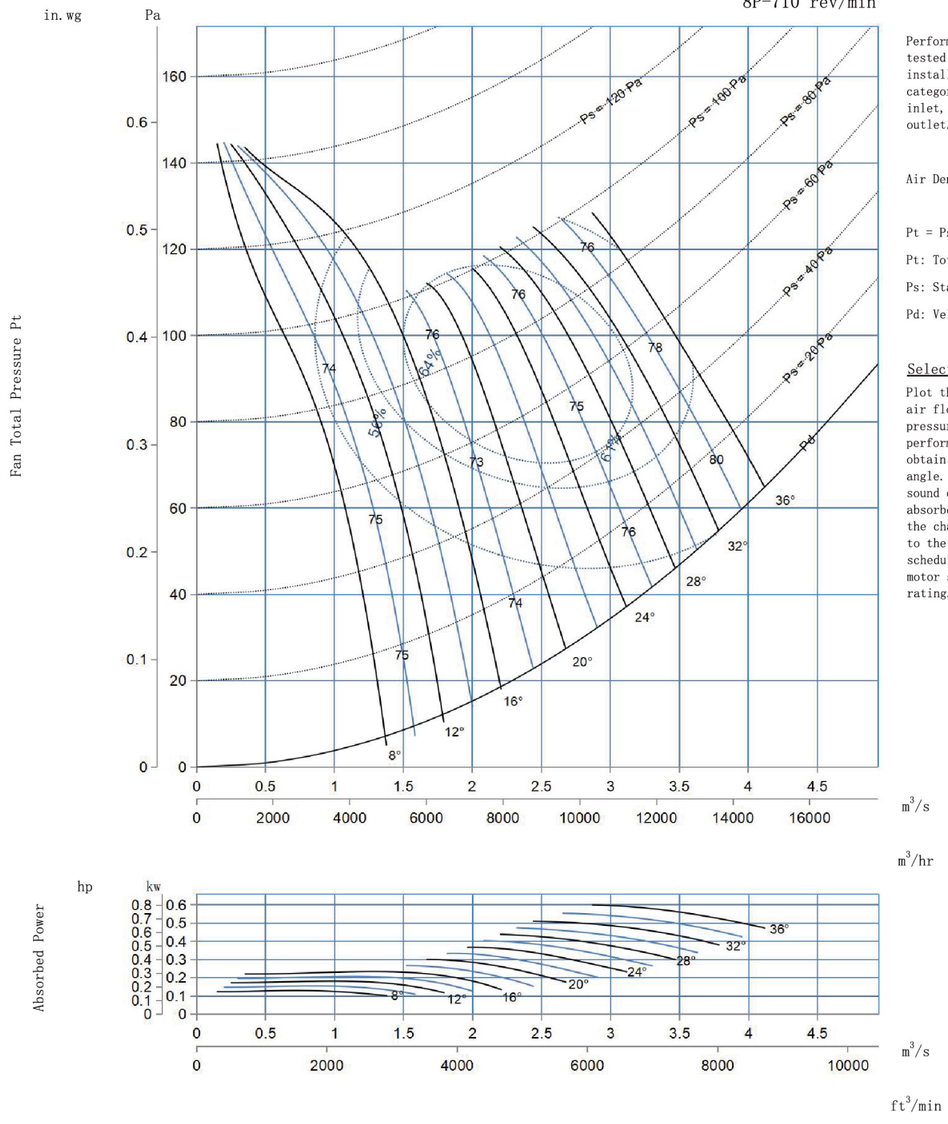
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№7.1-250/9

Performance Chart

8P-710 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	76	76	76	75	75	75	75	75	75	76	76	77	77	78	79
Inlet A-weighted Sound Pressure Level															
dBA@1m	60	60	59	59	59	59	59	59	59	60	60	61	61	62	63
dBA@2m	54	54	53	53	53	53	53	53	53	54	54	55	55	56	57
dBA@3m	50	50	49	49	49	49	49	49	49	50	50	51	51	52	53
Outlet A-weighted Sound Pressure Level															
dBA@1m	60	60	60	59	59	59	59	59	59	60	60	61	61	62	63
dBA@2m	54	54	54	53	53	53	53	53	53	54	54	55	55	56	57
dBA@3m	50	50	50	49	49	49	49	49	49	50	50	51	51	52	53

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 710 mm 50Hz

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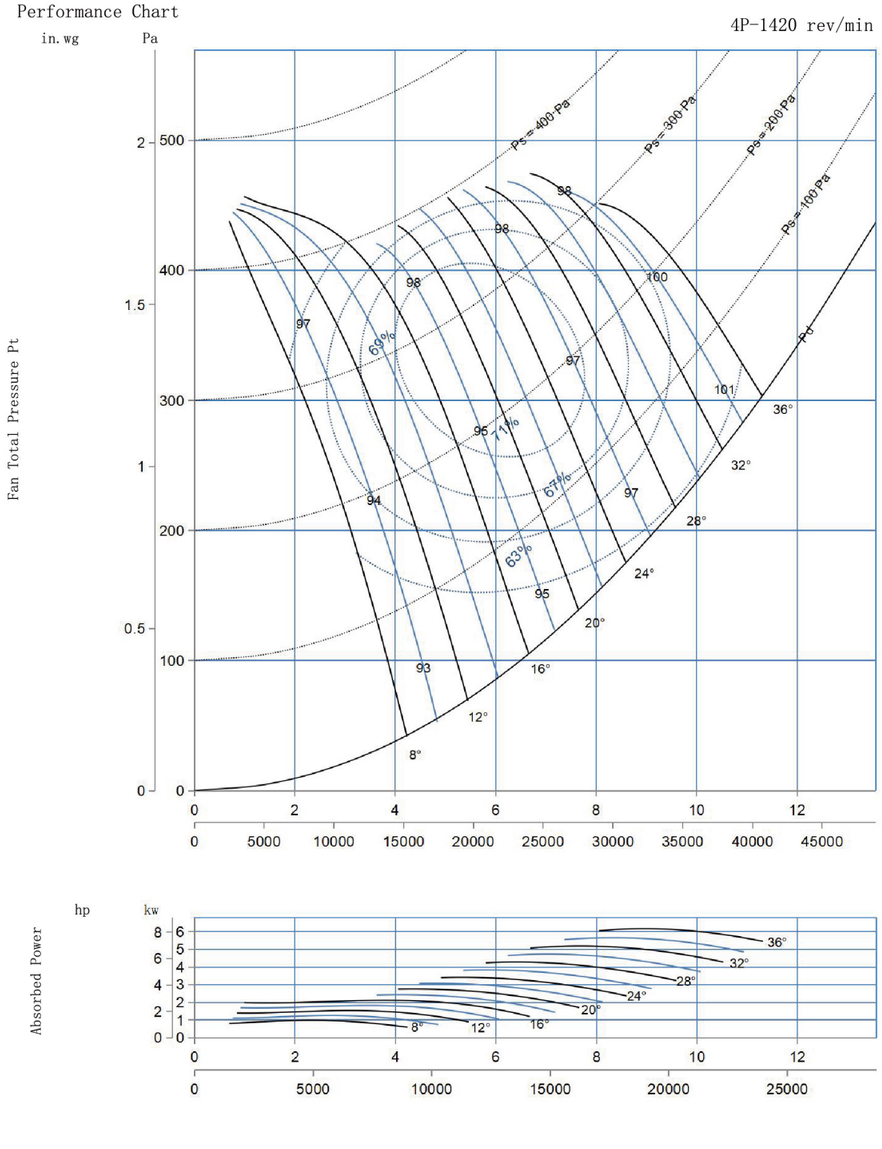
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№8-250/6

Performance Chart

4P-1420 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	96	96	96	96	96	96	96	96	97	97	98	98	99	100	100
Inlet A-weighted Sound Pressure Level															
dBA@1m	80	80	80	80	80	80	80	80	80	81	82	82	83	84	84
dBA@2m	74	74	74	74	74	74	74	74	74	75	76	76	77	78	78
dBA@3m	70	70	70	70	70	70	70	70	70	71	72	72	73	74	74
Outlet A-weighted Sound Pressure Level															
dBA@1m	80	80	80	80	80	80	80	80	80	81	82	82	83	84	84
dBA@2m	74	74	74	74	74	74	74	74	74	75	76	76	77	78	78
dBA@3m	70	70	70	70	70	70	70	70	70	71	72	72	73	74	74

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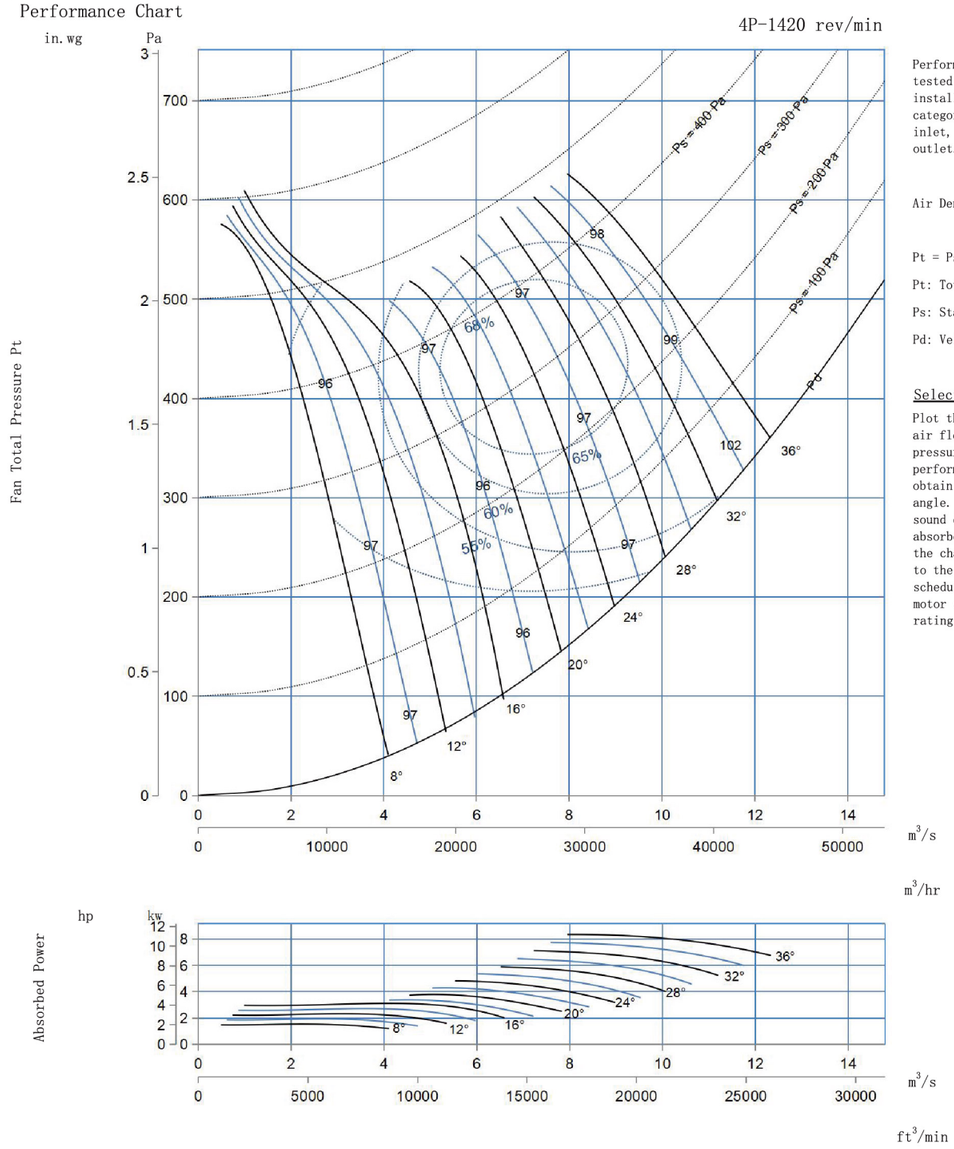
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№8-250/9

Performance Chart

4P-1420 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	98	97	97	97	96	96	96	96	96	97	97	98	98	99	100
Inlet A-weighted Sound Pressure Level															
dBA@1m	83	83	82	82	82	82	82	82	82	82	83	83	84	84	85
dBA@2m	77	77	76	76	76	76	76	76	76	76	77	77	78	78	79
dBA@3m	73	73	72	72	72	72	72	72	72	72	73	73	74	74	75
Outlet A-weighted Sound Pressure Level															
dBA@1m	83	83	82	82	82	82	82	82	82	82	83	83	84	84	85
dBA@2m	77	77	76	76	76	76	76	76	76	76	77	77	78	78	79
dBA@3m	73	73	72	72	72	72	72	72	72	72	73	73	74	74	75

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 800 mm 50Hz
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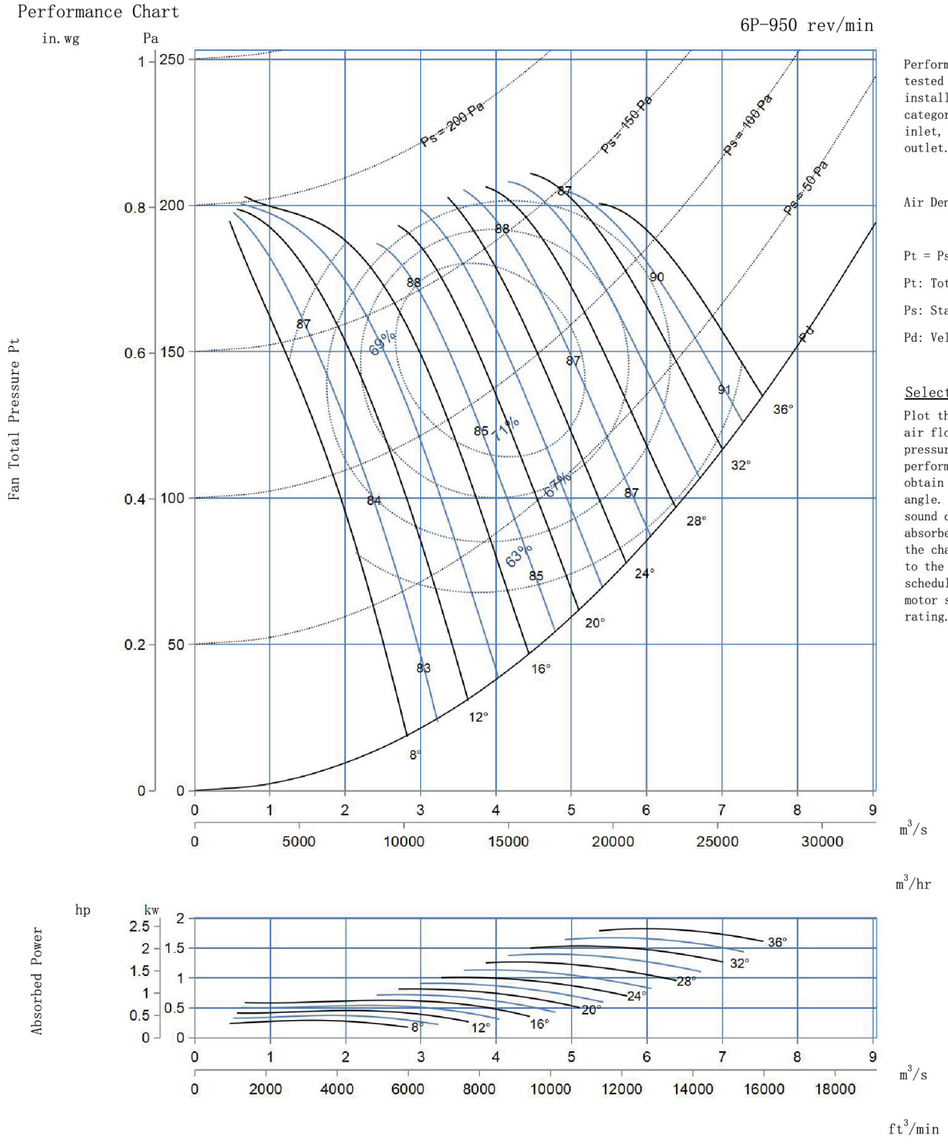
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№8-250/6

Performance Chart

6P-950 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	86	86	86	86	86	86	86	86	86	87	88	88	89	90	90
Inlet A-weighted Sound Pressure Level															
dBA@1m	73	73	73	73	73	73	73	73	73	73	74	75	75	76	76
dBA@2m	67	67	67	67	67	67	67	67	67	67	68	69	69	70	70
dBA@3m	63	63	63	63	63	63	63	63	63	63	64	65	65	66	66
Outlet A-weighted Sound Pressure Level															
dBA@1m	73	73	73	73	73	73	73	73	73	73	74	75	75	76	77
dBA@2m	67	67	67	67	67	67	67	67	67	67	68	69	69	70	71
dBA@3m	63	63	63	63	63	63	63	63	63	63	64	65	65	66	67

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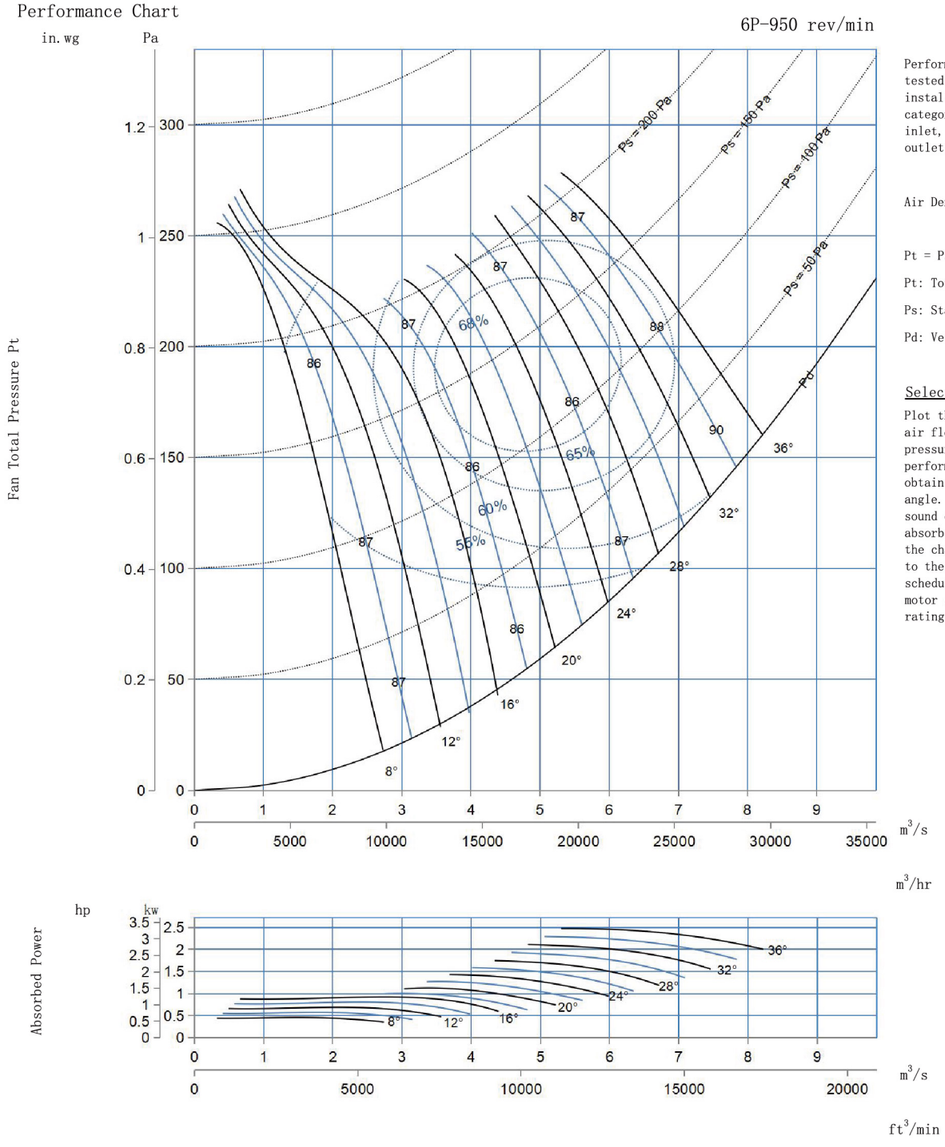
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№8-250/9

Performance Chart

6P-950 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	88	88	87	87	86	86	86	86	86	87	87	87	88	88	88
Inlet A-weighted Sound Pressure Level															
dBA@1m	72	72	71	71	71	71	71	71	71	71	71	72	72	72	73
dBA@2m	66	66	65	65	65	65	65	65	65	65	65	66	66	66	67
dBA@3m	62	62	61	61	61	61	61	61	61	61	61	62	62	62	63
Outlet A-weighted Sound Pressure Level															
dBA@1m	72	72	71	71	71	71	71	71	71	71	71	71	72	72	72
dBA@2m	66	66	65	65	65	65	65	65	65	65	65	65	66	66	66
dBA@3m	62	62	61	61	61	61	61	61	61	61	61	61	62	62	62

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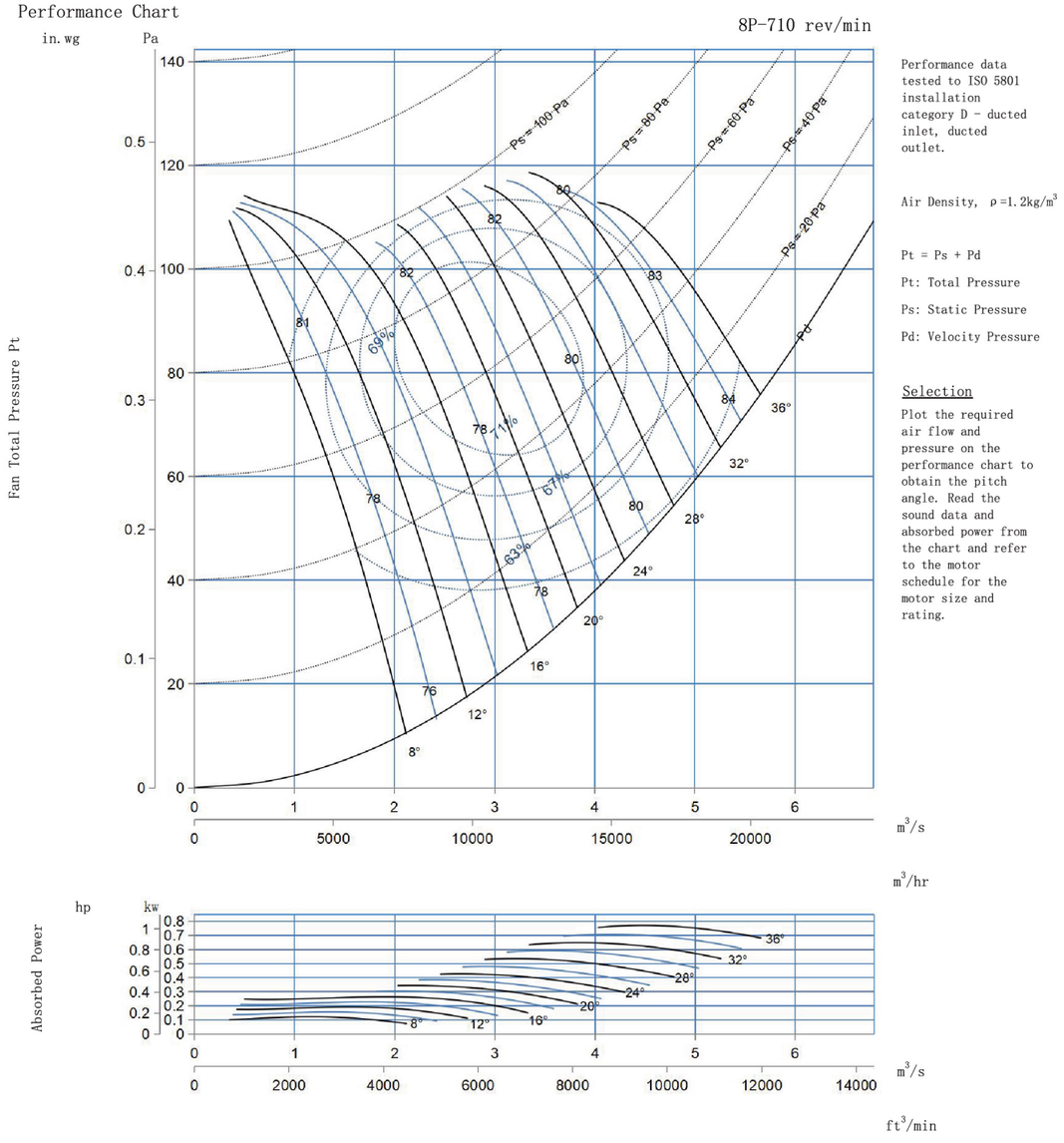
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№8-250/6

Performance Chart

8P-710 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	80	80	79	79	79	79	79	80	80	80	81	81	82	82	83
Inlet A-weighted Sound Pressure Level															
dBA@1m	69	69	68	68	68	68	68	68	69	69	70	70	71	71	72
dBA@2m	63	63	62	62	62	62	62	62	63	63	64	64	65	65	66
dBA@3m	59	59	58	58	58	58	58	58	59	59	60	60	61	61	62
Outlet A-weighted Sound Pressure Level															
dBA@1m	69	69	68	68	68	68	68	68	69	69	70	70	71	71	72
dBA@2m	63	63	62	62	62	62	62	62	63	63	64	64	65	65	66
dBA@3m	59	59	58	58	58	58	58	58	59	59	60	60	61	61	62

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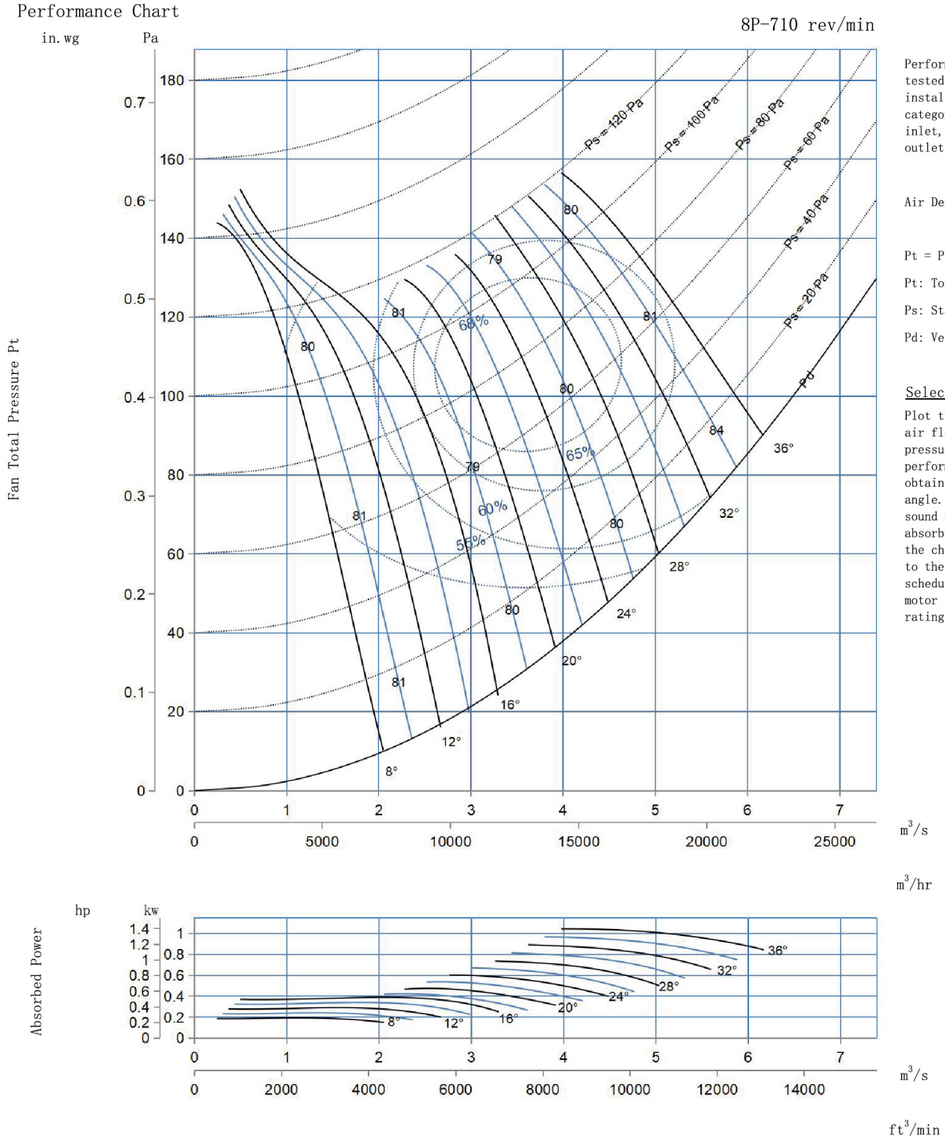
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№8-250/9

Performance Chart

8P-710 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	82	81	81	80	80	80	80	80	80	80	80	81	81	81	82
Inlet A-weighted Sound Pressure Level															
dBA@1m	71	70	70	70	69	69	69	69	69	69	69	70	70	71	71
dBA@2m	65	64	64	64	63	63	63	63	63	63	63	64	64	65	65
dBA@3m	61	60	60	60	59	59	59	59	59	59	59	60	60	61	61
Outlet A-weighted Sound Pressure Level															
dBA@1m	71	70	70	69	69	69	69	69	69	69	69	70	70	70	71
dBA@2m	65	64	64	63	63	63	63	63	63	63	63	64	64	64	65
dBA@3m	61	60	60	59	59	59	59	59	59	59	59	60	60	60	61

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 800 mm 50Hz

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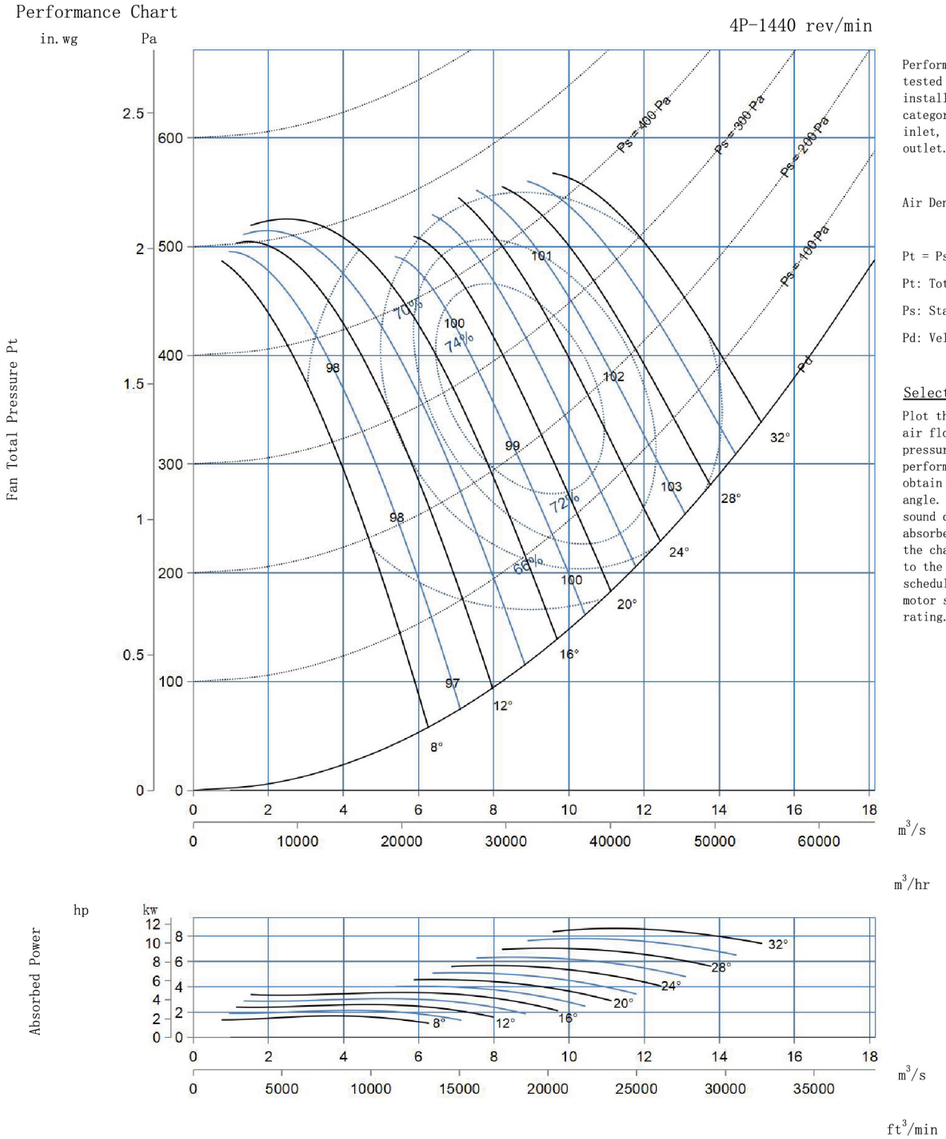
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№9-250/6

Performance Chart

4P-1440 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	99	99	99	100	100	100	101	101	102	102	103	104	104	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	83	83	84	84	84	84	85	85	86	86	87	88	88	/	/
dBA@2m	77	77	78	78	78	78	79	79	80	80	81	82	82	/	/
dBA@3m	73	73	74	74	74	74	75	75	76	76	77	78	78	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	84	84	85	85	85	86	86	86	87	88	88	89	90	/	/
dBA@2m	78	78	79	79	79	80	80	80	81	82	82	83	84	/	/
dBA@3m	74	74	75	75	75	76	76	76	77	78	78	79	80	/	/

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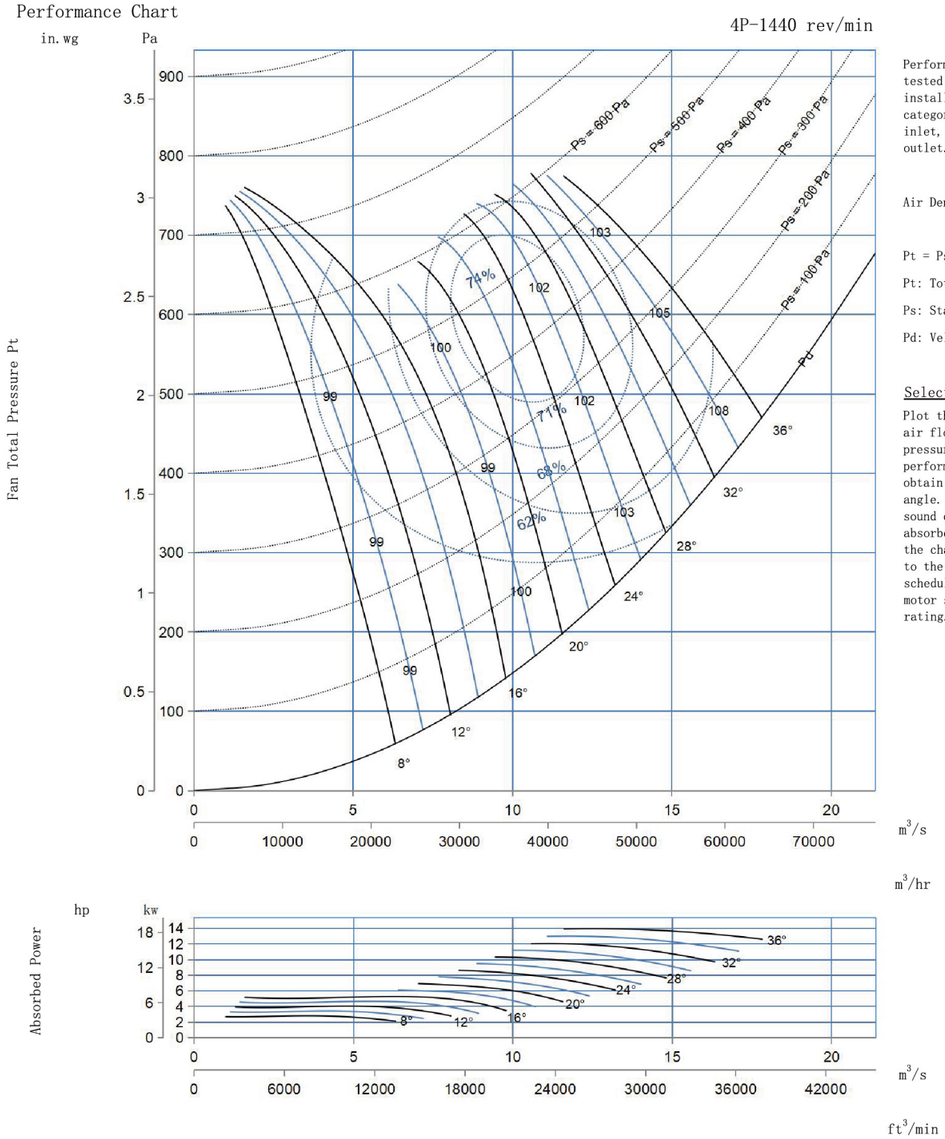
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№9-250/9

Performance Chart

4P-1440 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	100	100	100	100	100	100	100	101	101	102	102	103	104	105	105
Inlet A-weighted Sound Pressure Level															
dBA@1m	86	86	86	86	86	86	86	87	87	88	88	89	90	90	91
dBA@2m	80	80	80	80	80	80	80	81	81	82	82	83	84	84	85
dBA@3m	76	76	76	76	76	76	76	77	77	78	78	79	80	80	81
Outlet A-weighted Sound Pressure Level															
dBA@1m	87	87	87	87	87	87	87	87	88	88	89	90	91	91	92
dBA@2m	81	81	81	81	81	81	81	81	82	82	83	84	85	85	86
dBA@3m	77	77	77	77	77	77	77	77	78	78	79	80	81	81	82

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 900 mm 50Hz

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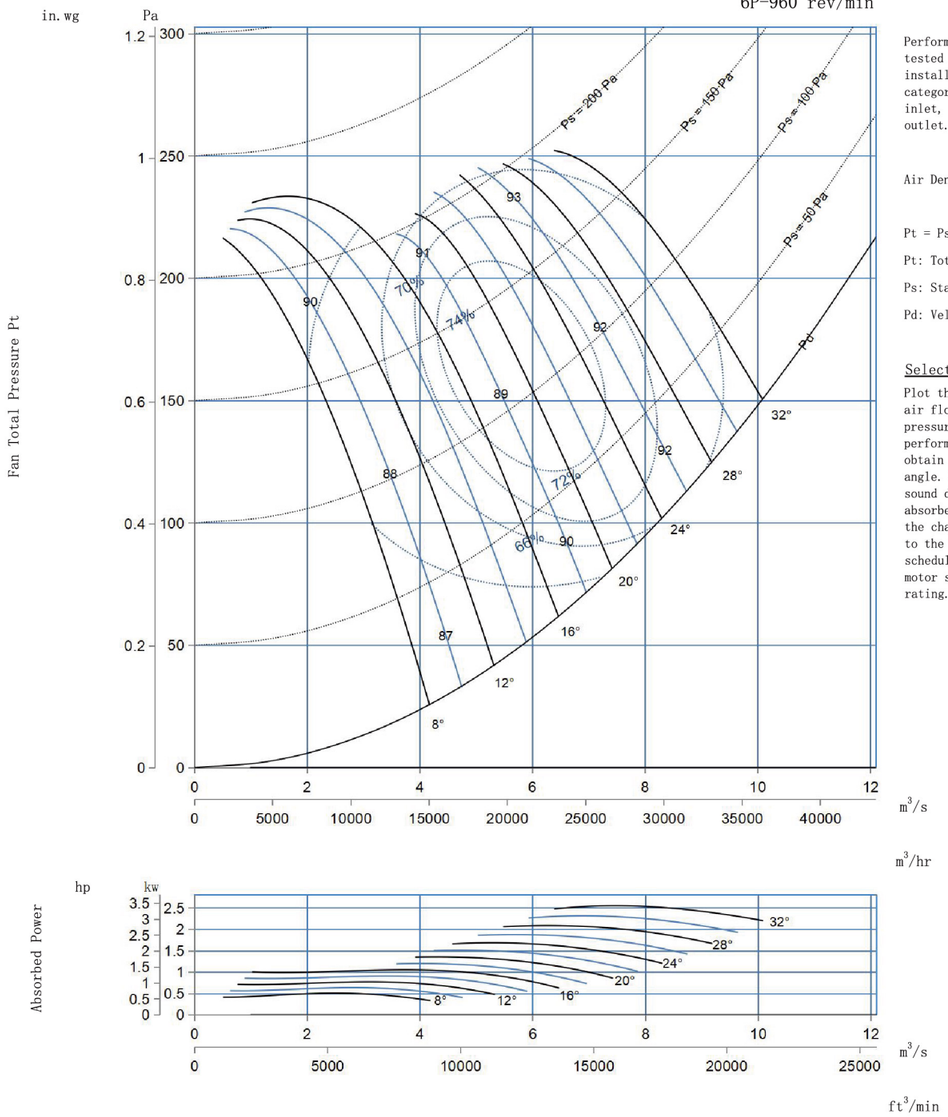
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№9-250/6

Performance Chart

6P-960 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	89	89	89	90	90	90	90	91	91	92	92	93	94	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	73	74	74	74	74	74	75	75	76	76	77	77	78	/	/
dBA@2m	67	68	68	68	68	68	69	69	70	70	71	71	72	/	/
dBA@3m	63	64	64	64	64	64	65	65	66	66	67	67	68	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	74	74	74	74	74	74	75	75	76	76	77	77	78	/	/
dBA@2m	68	68	68	68	68	68	69	69	70	70	71	71	72	/	/
dBA@3m	64	64	64	64	64	64	65	65	66	66	67	67	68	/	/

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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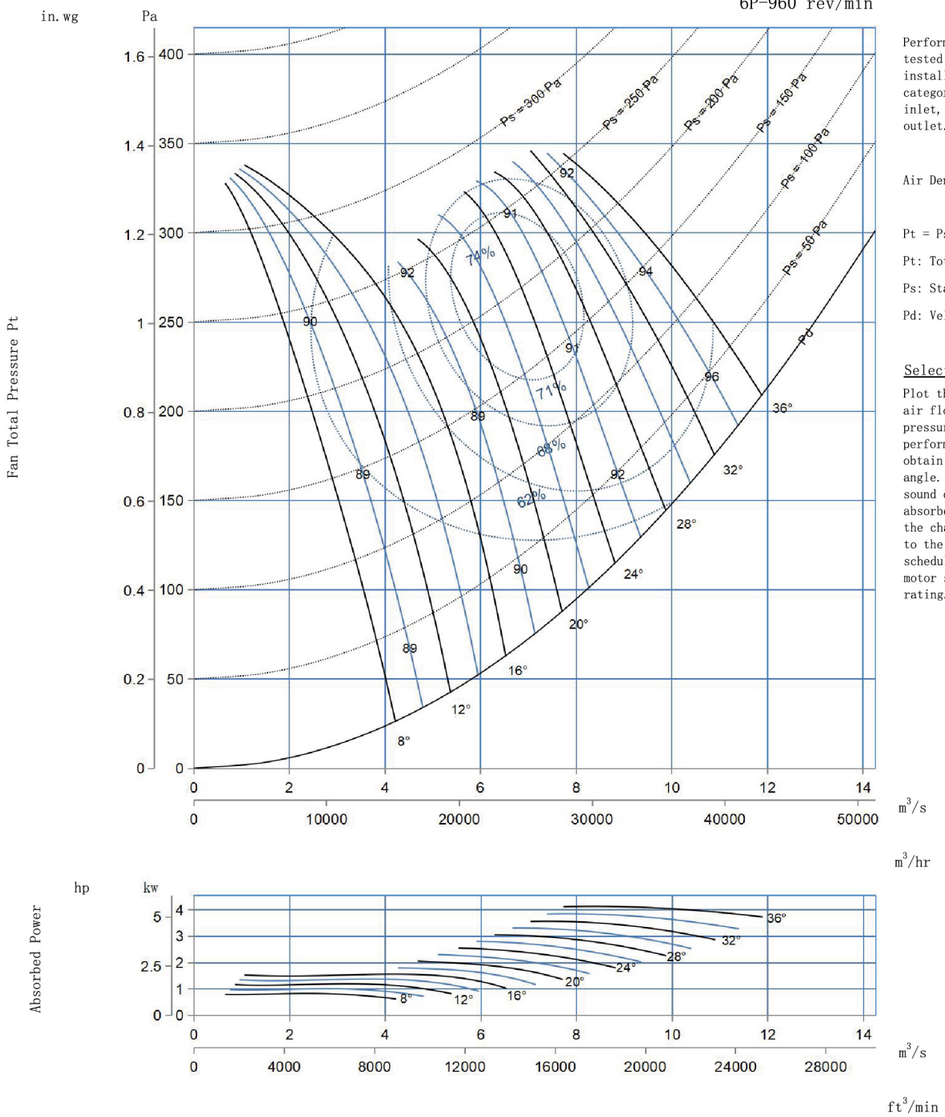
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№9-250/9

Performance Chart

6P-960 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	90	90	90	90	90	90	90	91	91	91	92	93	93	94	94
Inlet A-weighted Sound Pressure Level															
dBA@1m	75	75	75	75	75	75	75	76	76	77	77	78	78	79	79
dBA@2m	69	69	69	69	69	69	69	70	70	71	71	72	72	73	73
dBA@3m	65	65	65	65	65	65	65	66	66	67	67	68	68	69	69
Outlet A-weighted Sound Pressure Level															
dBA@1m	76	76	75	75	75	75	76	76	76	77	77	78	78	79	80
dBA@2m	70	70	69	69	69	69	70	70	70	71	71	72	72	73	74
dBA@3m	66	66	65	65	65	65	66	66	66	67	67	68	68	69	70

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 900 mm 50Hz

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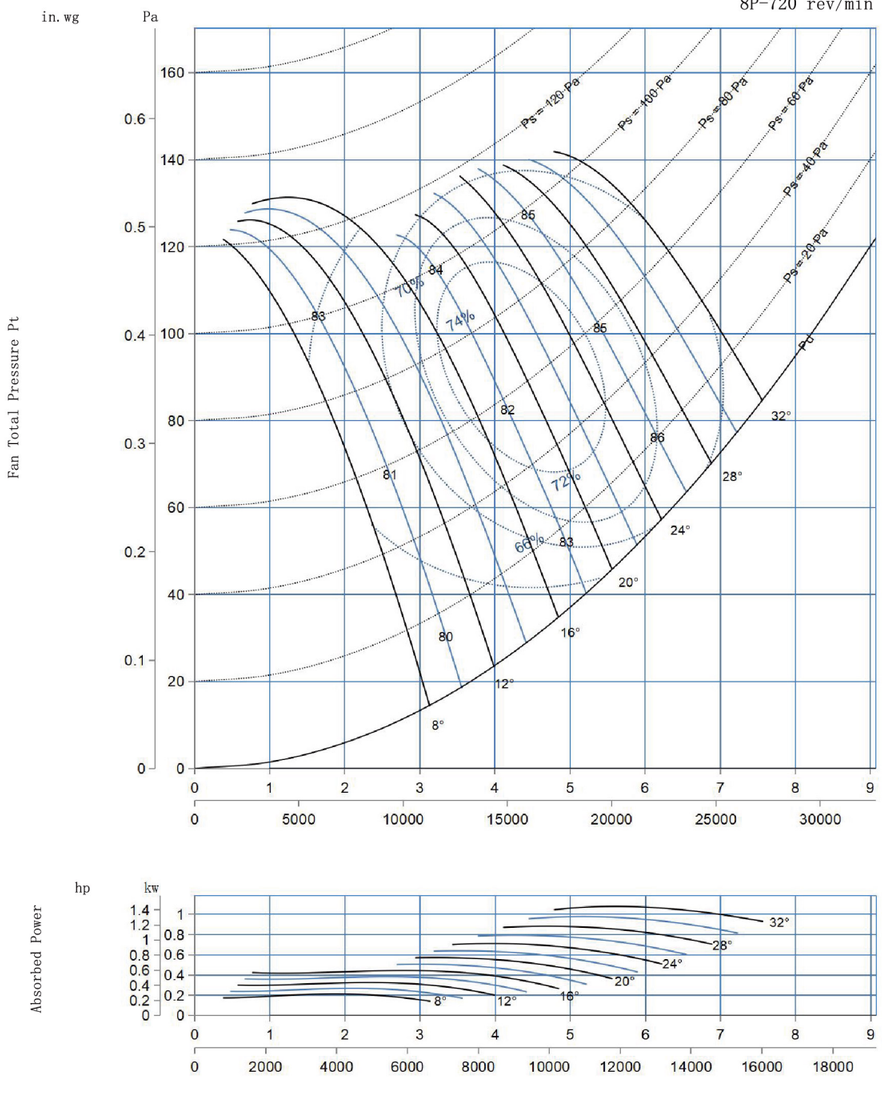
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№9-250/6

Performance Chart

8P-720 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m^3

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	83	83	83	83	83	83	84	84	85	85	86	86	87	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	67	67	67	67	67	68	68	69	69	70	70	71	71	/	/
dBA@2m	61	61	61	61	61	62	62	63	63	64	64	65	65	/	/
dBA@3m	57	57	57	57	57	58	58	59	59	60	60	61	61	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	68	68	67	67	67	68	68	69	69	70	70	71	72	/	/
dBA@2m	62	62	61	61	61	62	62	63	63	64	64	65	66	/	/
dBA@3m	58	58	57	57	57	58	58	59	59	60	60	61	62	/	/

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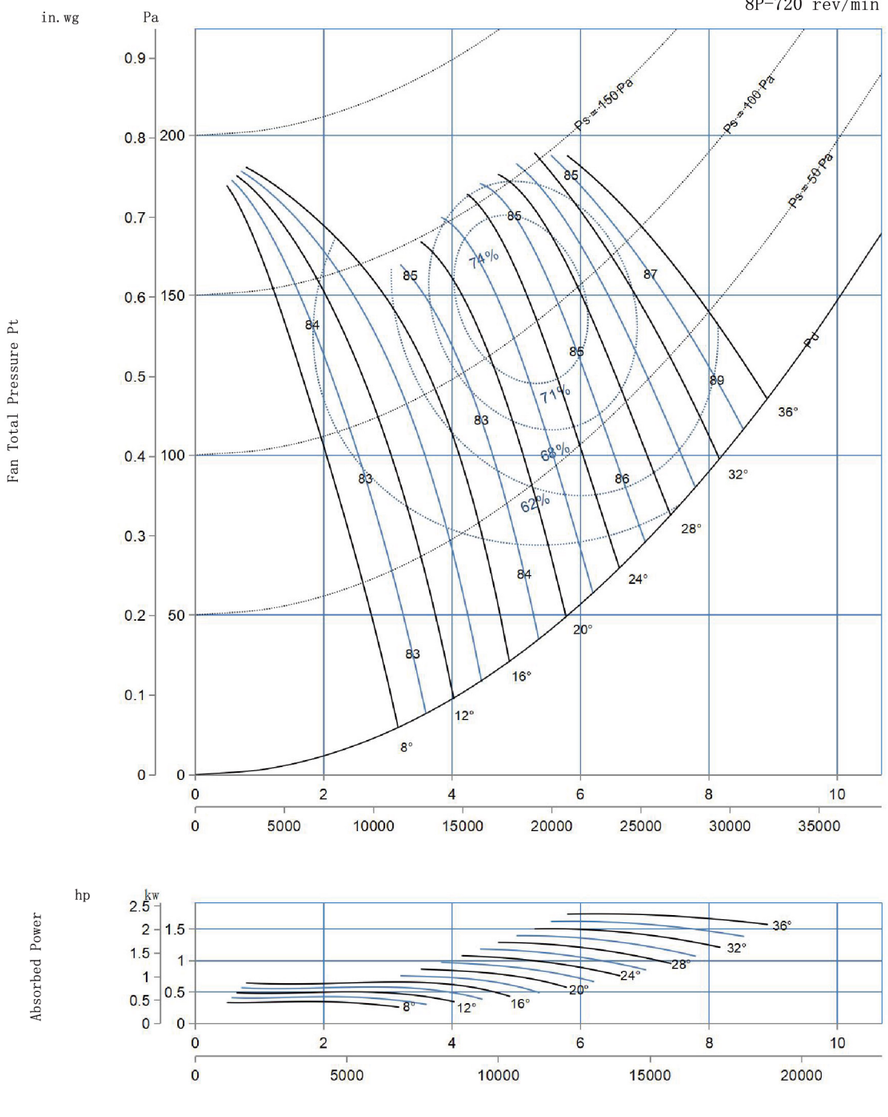
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№9-250/9

Performance Chart

8P-720 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

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Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	84	84	84	84	84	84	84	84	85	85	86	86	87	87	88
Inlet A-weighted Sound Pressure Level															
dBA@1m	69	69	69	69	69	69	69	69	69	70	71	71	72	72	73
dBA@2m	63	63	63	63	63	63	63	63	63	64	65	65	66	66	67
dBA@3m	59	59	59	59	59	59	59	59	59	60	61	61	62	62	63
Outlet A-weighted Sound Pressure Level															
dBA@1m	69	69	69	69	69	69	69	69	70	70	71	71	72	72	73
dBA@2m	63	63	63	63	63	63	63	63	64	64	65	65	66	66	67
dBA@3m	59	59	59	59	59	59	59	59	60	60	61	61	62	62	63

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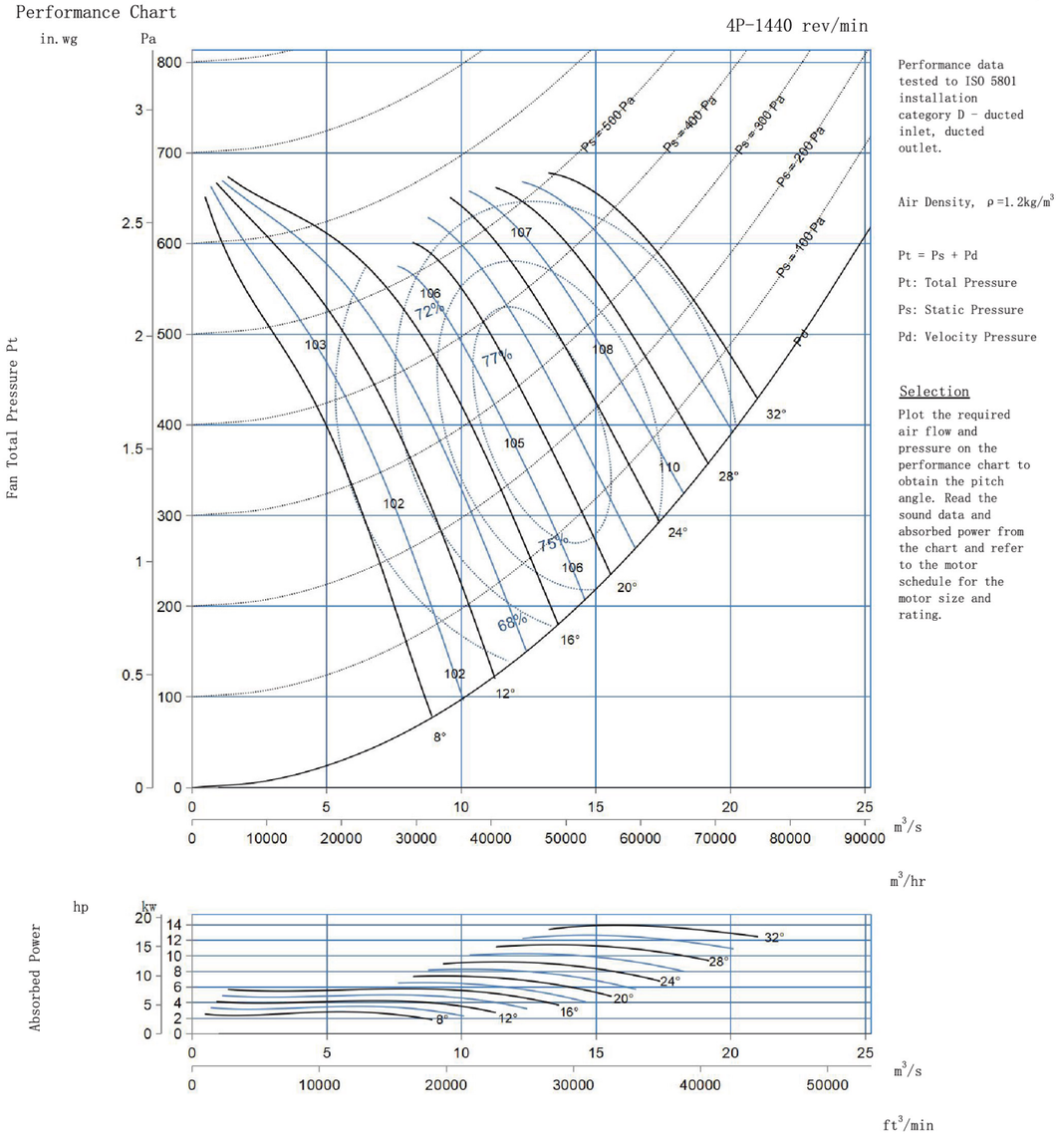
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№10-250/6

Performance Chart

4P-1440 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	102	103	103	104	105	105	106	107	107	108	109	109	110	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	88	88	89	89	90	91	91	92	93	93	94	94	95	/	/
dBA@2m	82	82	83	83	84	85	85	86	87	87	88	88	89	/	/
dBA@3m	78	78	79	79	80	81	81	82	83	83	84	84	85	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	88	89	89	90	91	91	92	92	93	94	94	95	96	/	/
dBA@2m	82	83	83	84	85	85	86	86	87	88	88	89	90	/	/
dBA@3m	78	79	79	80	81	81	82	82	83	84	84	85	86	/	/

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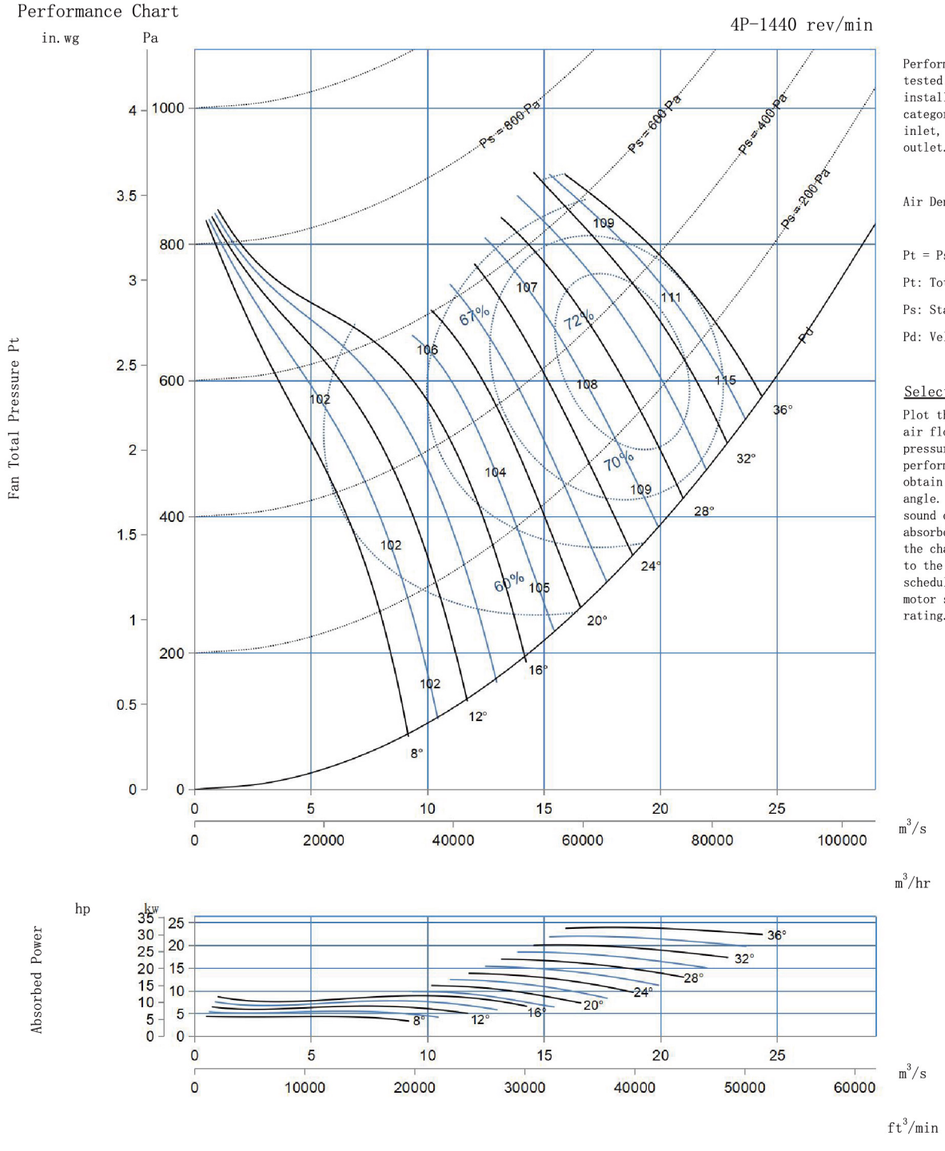
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№10-250/9

Performance Chart

4P-1440 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	103	103	104	104	104	105	105	106	107	107	108	109	110	111	112
Inlet A-weighted Sound Pressure Level															
dBA@1m	90	90	91	91	91	92	92	93	94	94	95	96	97	98	99
dBA@2m	84	84	85	85	85	86	86	87	88	88	89	90	91	92	93
dBA@3m	80	80	81	81	81	82	82	83	84	84	85	86	87	88	89
Outlet A-weighted Sound Pressure Level															
dBA@1m	94	95	95	95	95	96	96	97	98	99	99	100	101	102	103
dBA@2m	88	89	89	89	89	90	90	91	92	93	93	94	95	96	97
dBA@3m	84	85	85	85	85	86	86	87	88	89	89	90	91	92	93

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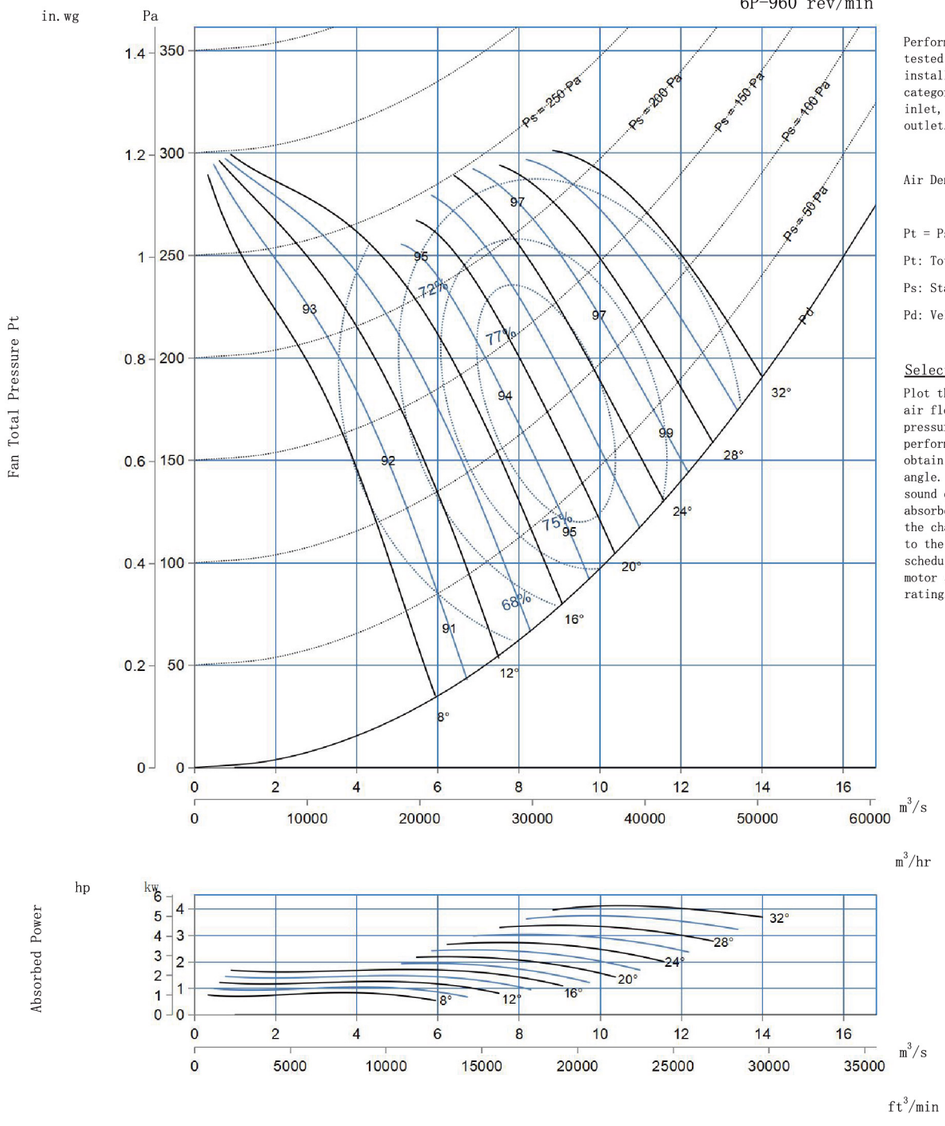
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№10-250/6

Performance Chart

6P-960 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ =1.2kg/m^3

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	92	93	93	94	94	95	95	96	97	97	98	98	99	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	83	83	84	84	84	85	86	86	87	88	88	89	89	/	/
dBA@2m	77	77	78	78	78	79	80	80	81	82	82	83	83	/	/
dBA@3m	73	73	74	74	74	75	76	76	77	78	78	79	79	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	78	79	79	80	80	81	81	82	83	83	84	84	85	/	/
dBA@2m	72	73	73	74	74	75	75	76	77	77	78	78	79	/	/
dBA@3m	68	69	69	70	70	71	71	72	73	73	74	74	75	/	/

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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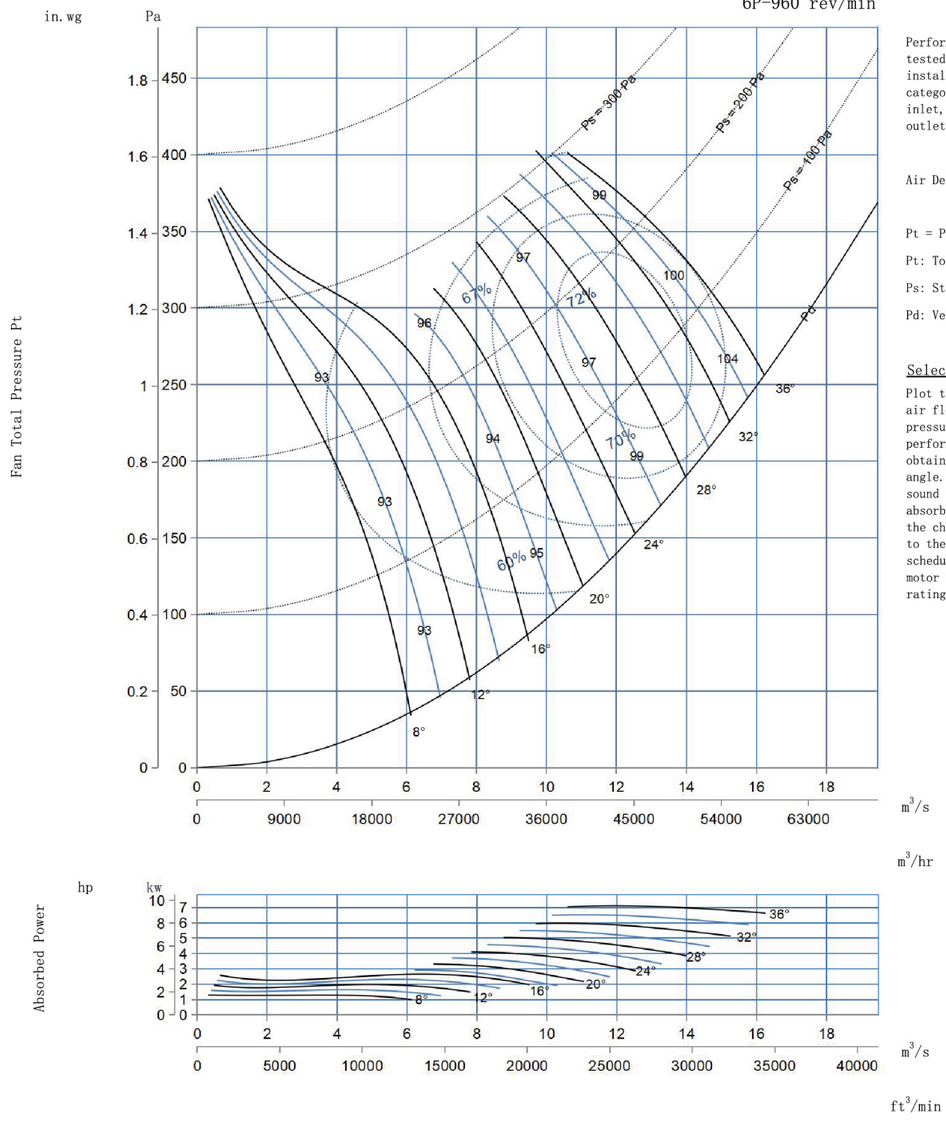
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№10-250/9

Performance Chart

6P-960 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ =1.2kg/m^3

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	94	94	94	94	94	95	95	96	97	97	98	99	100	100	101
Inlet A-weighted Sound Pressure Level															
dBA@1m	80	80	80	80	80	81	81	82	83	83	84	85	86	86	87
dBA@2m	74	74	74	74	74	75	75	76	77	77	78	79	80	80	81
dBA@3m	70	70	70	70	70	71	71	72	73	73	74	75	76	76	77
Outlet A-weighted Sound Pressure Level															
dBA@1m	80	80	80	80	80	81	82	82	83	84	84	85	86	87	87
dBA@2m	74	74	74	74	74	75	76	76	77	78	78	79	80	81	81
dBA@3m	70	70	70	70	70	71	72	72	73	74	74	75	76	77	77

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1000 mm 50Hz

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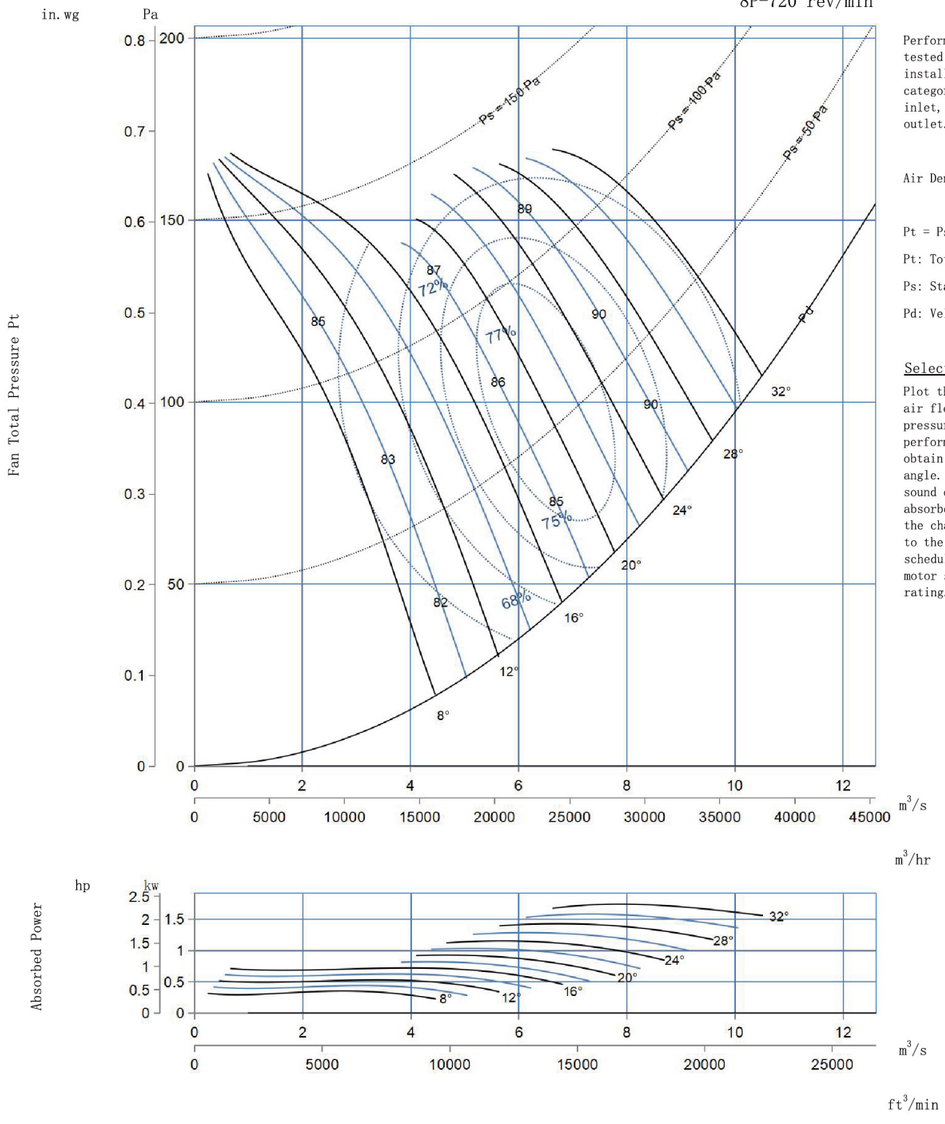
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№10-250/6

Performance Chart

8P-720 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	84	85	85	85	85	86	87	88	89	90	91	91	92	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	75	75	75	75	75	76	77	78	79	80	81	81	82	/	/
dBA@2m	69	69	69	69	69	70	71	72	73	74	75	75	76	/	/
dBA@3m	65	65	65	65	65	66	67	68	69	70	71	71	72	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	75	75	75	75	75	76	77	78	79	80	81	82	82	/	/
dBA@2m	69	69	69	69	69	70	71	72	73	74	75	76	76	/	/
dBA@3m	65	65	65	65	65	66	67	68	69	70	71	72	72	/	/

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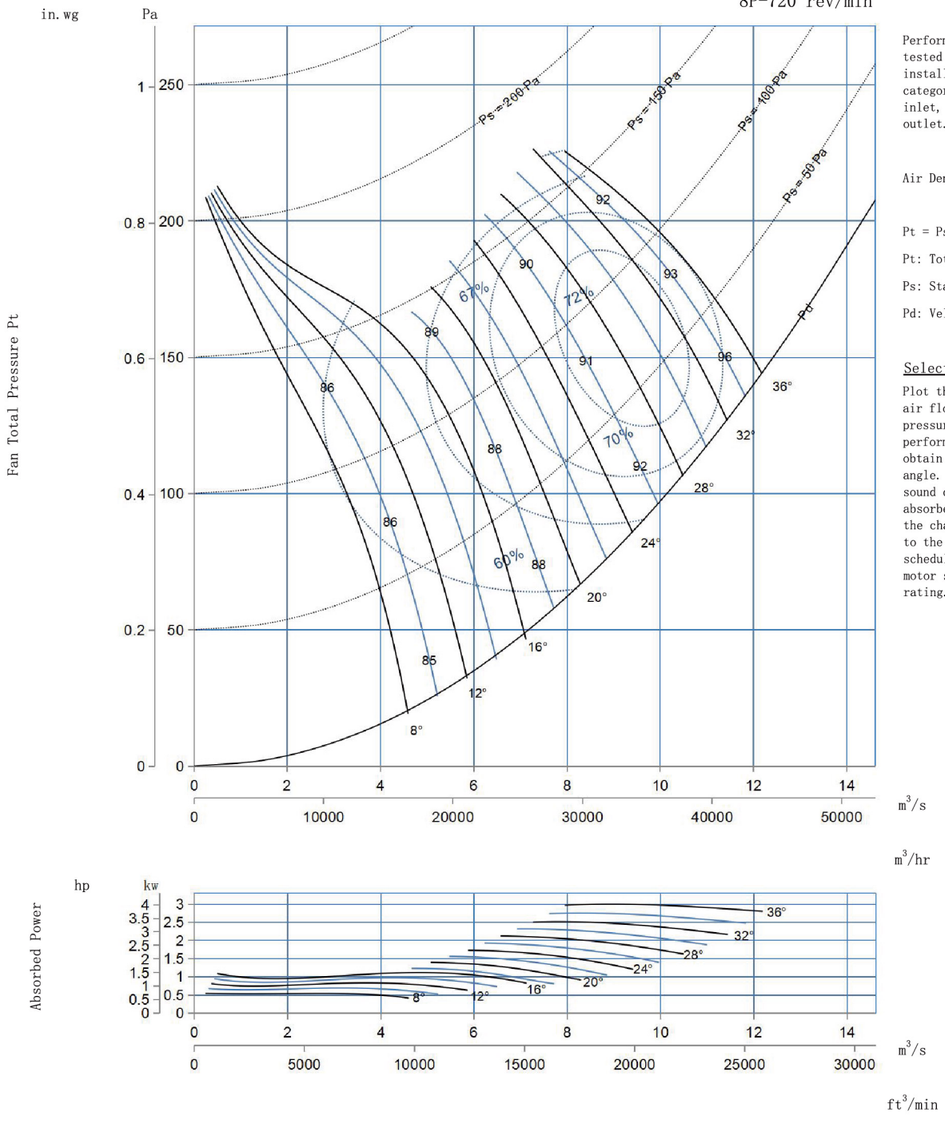
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№10-250/9

Performance Chart

8P-720 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	87	87	87	88	88	88	89	89	90	91	91	92	93	93	94
Inlet A-weighted Sound Pressure Level															
dBA@1m	77	77	78	78	78	79	79	80	80	81	82	82	83	83	84
dBA@2m	71	71	72	72	72	73	73	74	74	75	76	76	77	77	78
dBA@3m	67	67	68	68	68	69	69	70	70	71	72	72	73	73	74
Outlet A-weighted Sound Pressure Level															
dBA@1m	77	77	78	78	78	79	79	80	80	81	82	82	83	84	84
dBA@2m	71	71	72	72	72	73	73	74	74	75	76	76	77	78	78
dBA@3m	67	67	68	68	68	69	69	70	70	71	72	72	73	74	74

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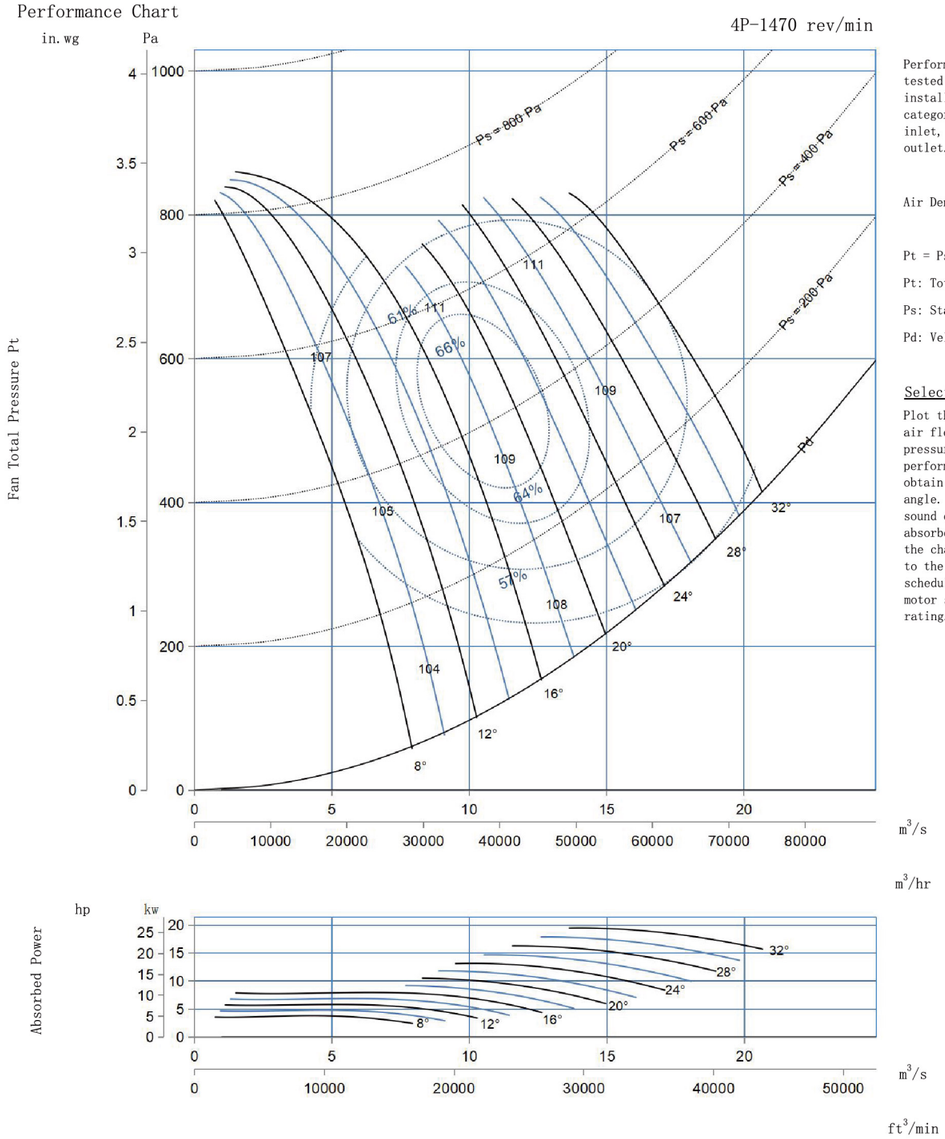
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№10-400/6

Performance Chart

4P-1470 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	105	106	107	108	109	109	109	109	109	109	110	111	112	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	86	87	88	89	90	90	89	89	89	90	91	92	93	/	/
dBA@2m	80	81	82	83	84	84	83	83	83	84	85	86	87	/	/
dBA@3m	76	77	78	79	80	80	79	79	79	80	81	82	83	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	87	88	89	90	90	90	90	90	90	91	92	92	93	/	/
dBA@2m	81	82	83	84	84	84	84	84	84	85	86	86	87	/	/
dBA@3m	77	78	79	80	80	80	80	80	80	81	82	82	83	/	/

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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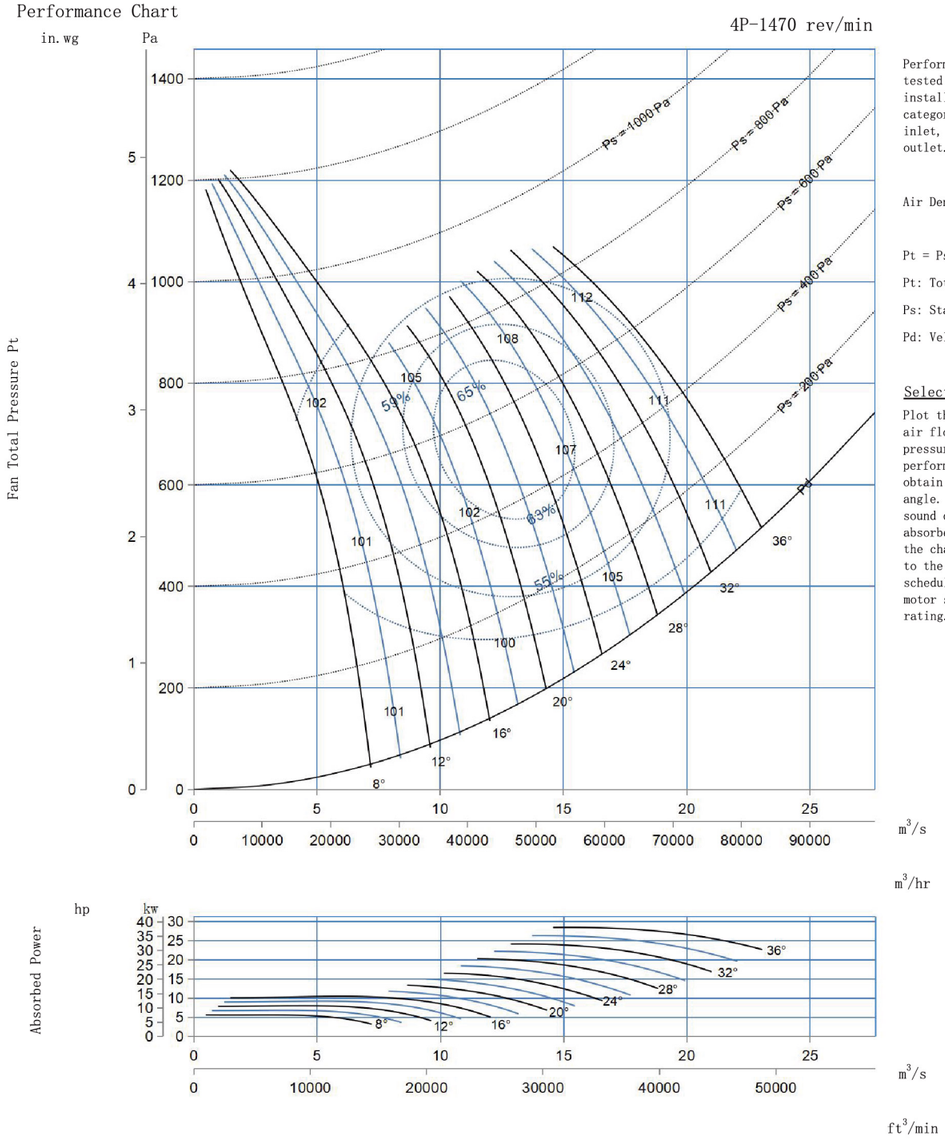
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№10-400/9

Performance Chart

4P-1470 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	103	103	103	102	102	103	104	105	106	107	108	110	111	112	112
Inlet A-weighted Sound Pressure Level															
dBA@1m	89	89	88	88	87	88	89	90	91	93	94	95	96	97	98
dBA@2m	83	83	82	82	81	82	83	84	85	87	88	89	90	91	92
dBA@3m	79	79	78	78	77	78	79	80	81	83	84	85	86	87	88
Outlet A-weighted Sound Pressure Level															
dBA@1m	96	95	95	95	94	95	96	97	98	100	101	102	103	104	105
dBA@2m	90	89	89	89	88	89	90	91	92	94	95	96	97	98	99
dBA@3m	86	85	85	85	84	85	86	87	88	90	91	92	93	94	95

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

The "A"-weighting is an attempt to reflect the natural attention of sound and varies according to the distance of source to the listener and its environment.

Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1000 mm 50Hz

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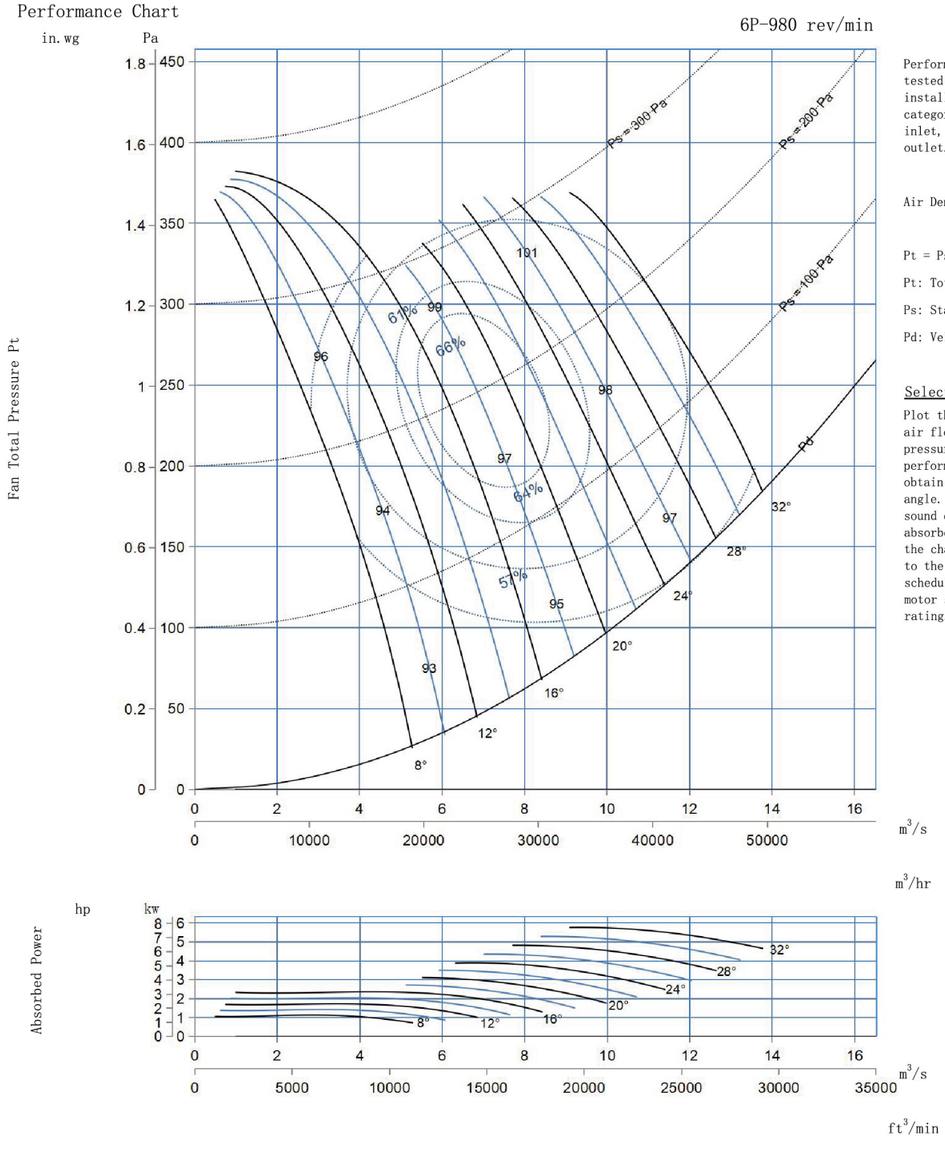
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№10-400/6

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	95	96	96	97	97	97	98	98	98	99	100	100	101	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	76	76	77	77	78	78	78	78	79	79	80	81	82	/	/
dBA@2m	70	70	71	71	72	72	72	72	73	73	74	75	76	/	/
dBA@3m	66	66	67	67	68	68	68	68	69	69	70	71	72	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	77	77	78	78	78	79	79	79	79	80	81	82	82	/	/
dBA@2m	71	71	72	72	72	73	73	73	73	74	75	76	76	/	/
dBA@3m	67	67	68	68	68	69	69	69	69	70	71	72	72	/	/

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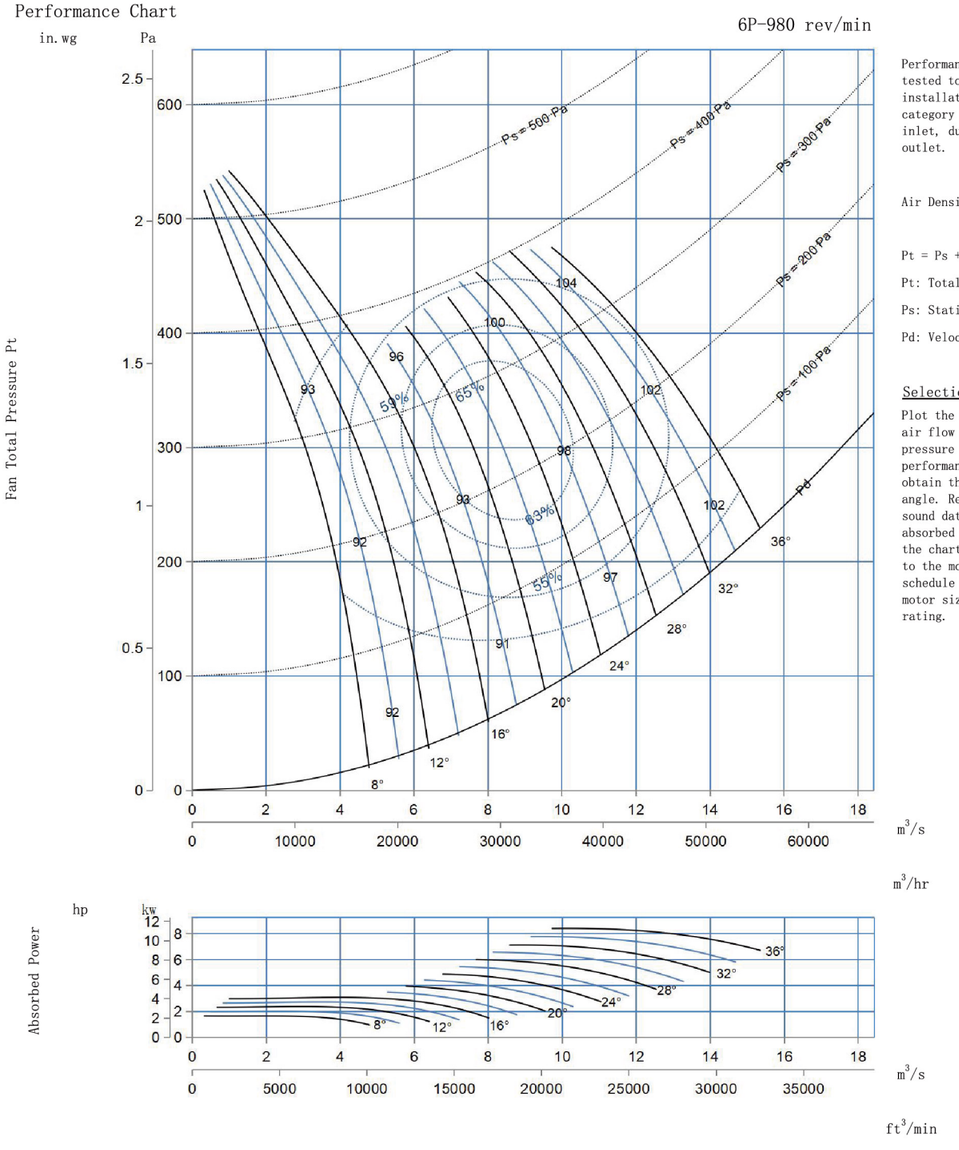
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№10-400/9

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	94	94	93	93	92	93	95	96	97	98	100	101	102	103	103
Inlet A-weighted Sound Pressure Level															
dBA@1m	85	85	84	83	83	84	85	87	88	89	90	92	93	93	94
dBA@2m	79	79	78	77	77	78	79	81	82	83	84	86	87	87	88
dBA@3m	75	75	74	73	73	74	75	77	78	79	80	82	83	83	84
Outlet A-weighted Sound Pressure Level															
dBA@1m	81	81	80	80	79	80	81	83	84	85	86	88	89	89	90
dBA@2m	75	75	74	74	73	74	75	77	78	79	80	82	83	83	84
dBA@3m	71	71	70	70	69	70	71	73	74	75	76	78	79	79	80

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1000 mm 50Hz

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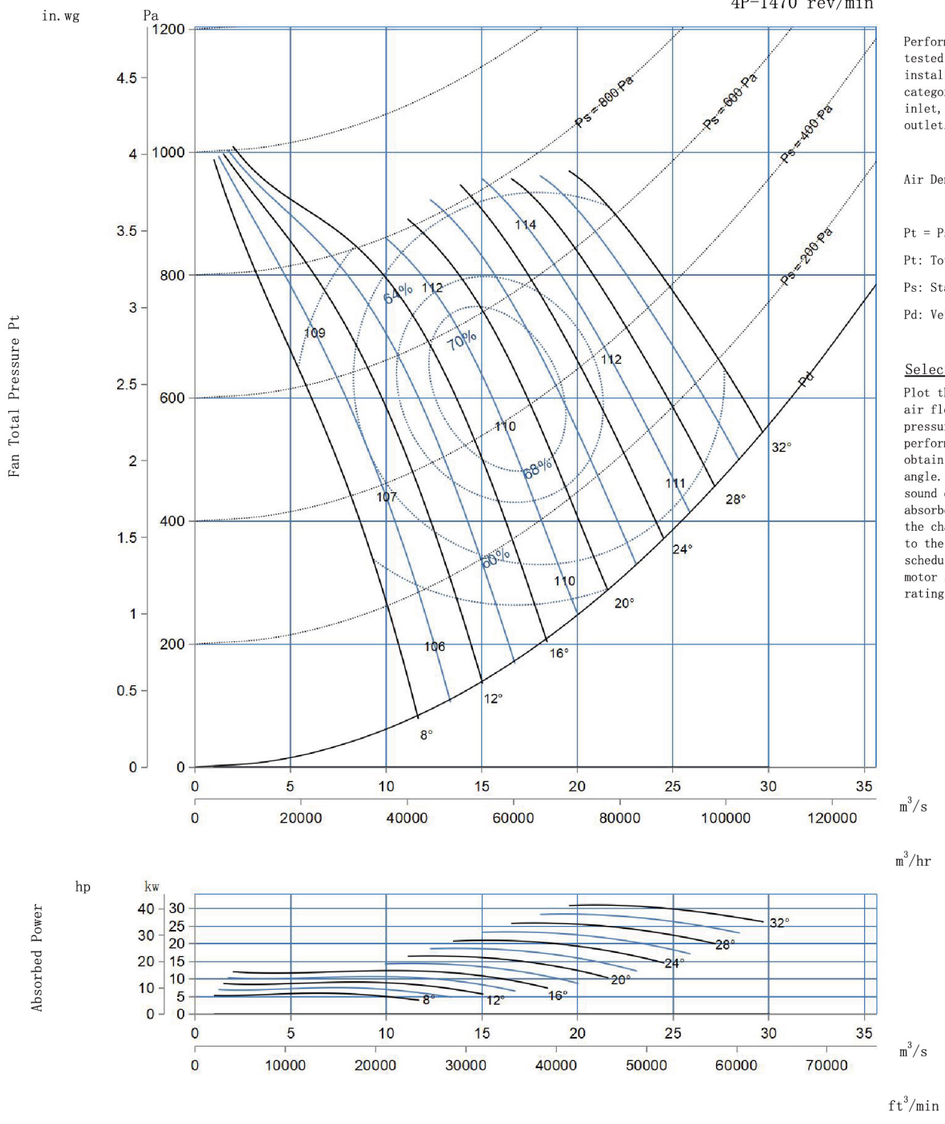
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№11.2-400/6

Performance Chart

4P-1470 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	108	109	109	110	111	111	111	112	112	113	113	114	114	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	89	89	90	91	91	91	92	92	92	93	94	94	95	/	/
dBA@2m	83	83	84	85	85	85	86	86	86	87	88	88	89	/	/
dBA@3m	79	79	80	81	81	81	82	82	82	83	84	84	85	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	89	90	91	91	92	92	92	93	93	94	94	95	96	/	/
dBA@2m	83	84	85	85	86	86	86	87	87	88	88	89	90	/	/
dBA@3m	79	80	81	81	82	82	82	83	83	84	84	85	86	/	/

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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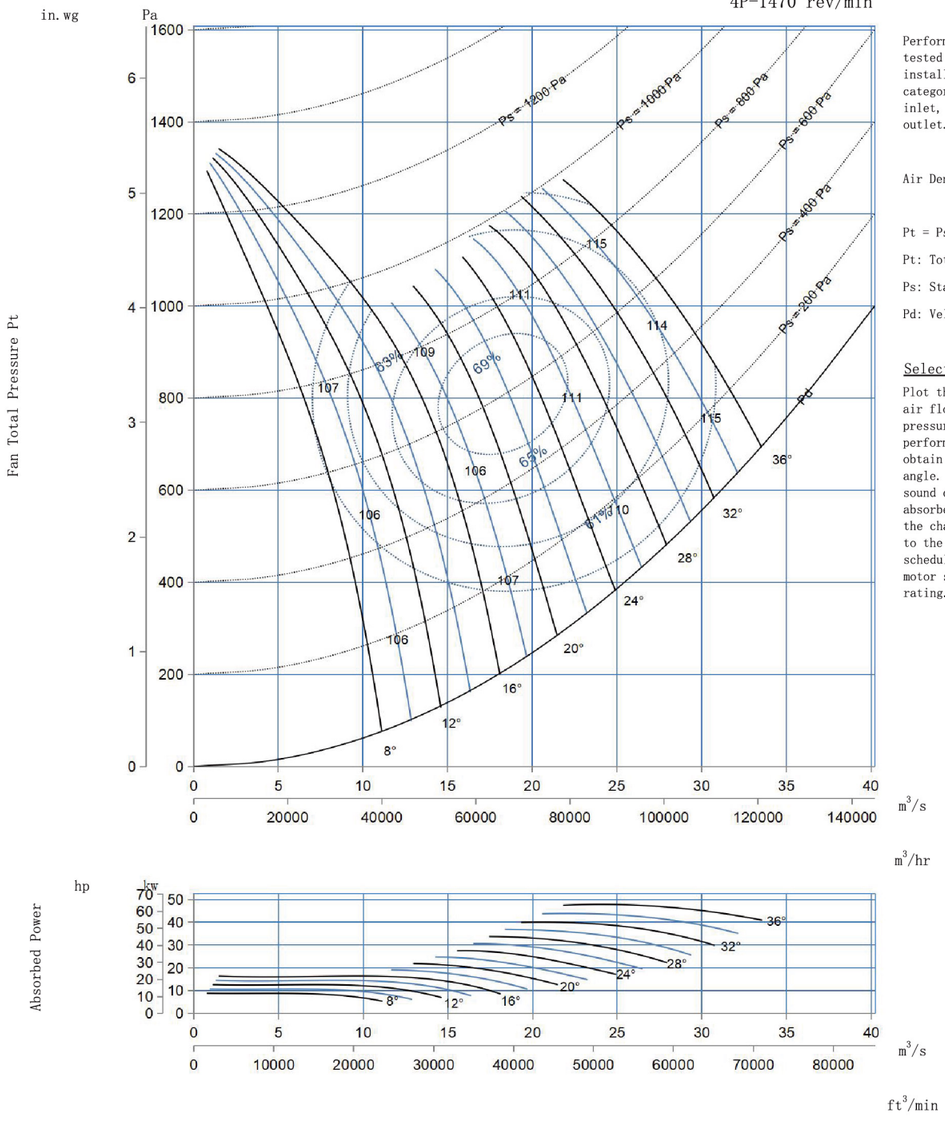
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№11.2-400/9

Performance Chart

4P-1470 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	108	108	107	107	107	108	108	109	110	111	112	113	114	115	116
Inlet A-weighted Sound Pressure Level															
dBA@1m	99	99	98	98	98	98	99	100	101	101	102	103	104	105	106
dBA@2m	93	93	92	92	92	92	93	94	95	95	96	97	98	99	100
dBA@3m	89	89	88	88	88	88	89	90	91	91	92	93	94	95	96
Outlet A-weighted Sound Pressure Level															
dBA@1m	95	95	94	94	94	94	95	96	97	98	99	100	100	101	102
dBA@2m	89	89	88	88	88	88	89	90	91	92	93	94	94	95	96
dBA@3m	85	85	84	84	84	84	85	86	87	88	89	90	90	91	92

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1120 mm 50Hz

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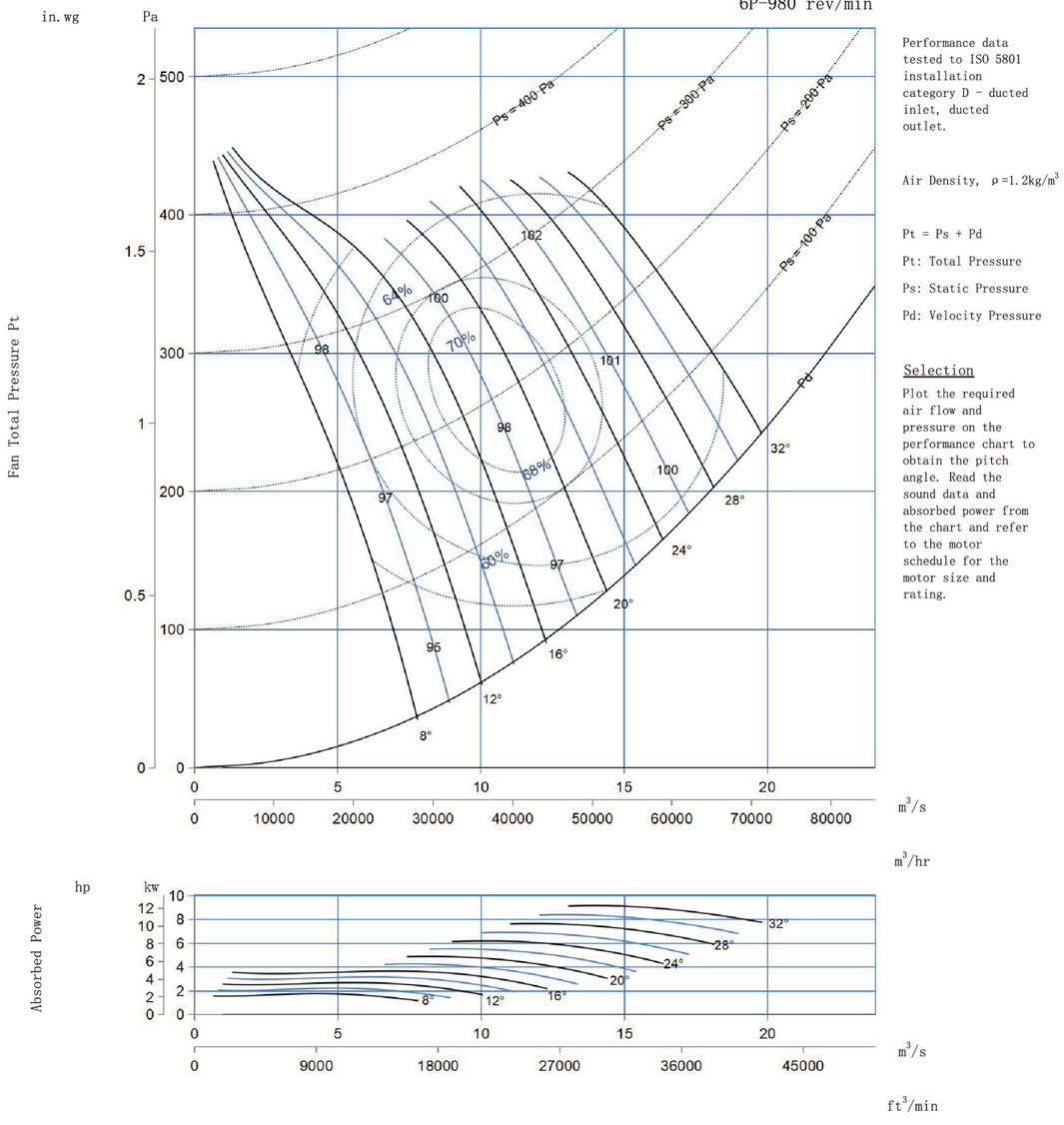
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№11.2-400/6

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	98	98	98	98	99	99	100	100	101	101	102	103	103	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	79	79	79	79	79	80	80	81	81	82	83	83	84	/	/
dBA@2m	73	73	73	73	73	74	74	75	75	76	77	77	78	/	/
dBA@3m	69	69	69	69	69	70	70	71	71	72	73	73	74	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	79	79	80	80	80	80	81	81	82	83	83	84	85	/	/
dBA@2m	73	73	74	74	74	74	75	75	76	77	77	78	79	/	/
dBA@3m	69	69	70	70	70	70	71	71	72	73	73	74	75	/	/

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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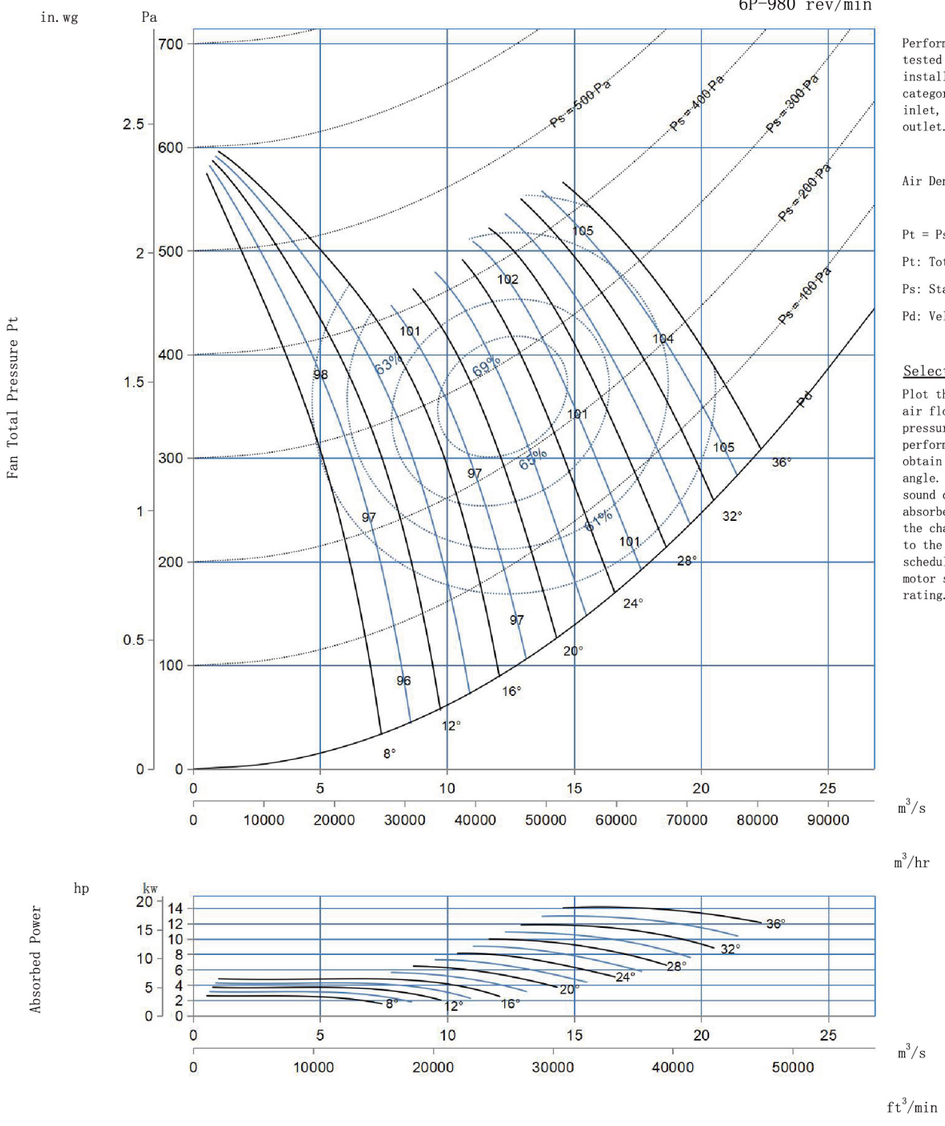
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№11.2-400/9

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	99	98	98	98	97	98	99	99	100	101	102	103	104	105	106
Inlet A-weighted Sound Pressure Level															
dBA@1m	89	88	88	88	88	88	89	90	90	91	92	93	94	95	96
dBA@2m	83	82	82	82	82	82	83	84	84	85	86	87	88	89	90
dBA@3m	79	78	78	78	78	78	79	80	80	81	82	83	84	85	86
Outlet A-weighted Sound Pressure Level															
dBA@1m	89	89	88	88	88	88	89	90	90	91	92	93	94	95	96
dBA@2m	83	83	82	82	82	82	83	84	84	85	86	87	88	89	90
dBA@3m	79	79	78	78	78	78	79	80	80	81	82	83	84	85	86

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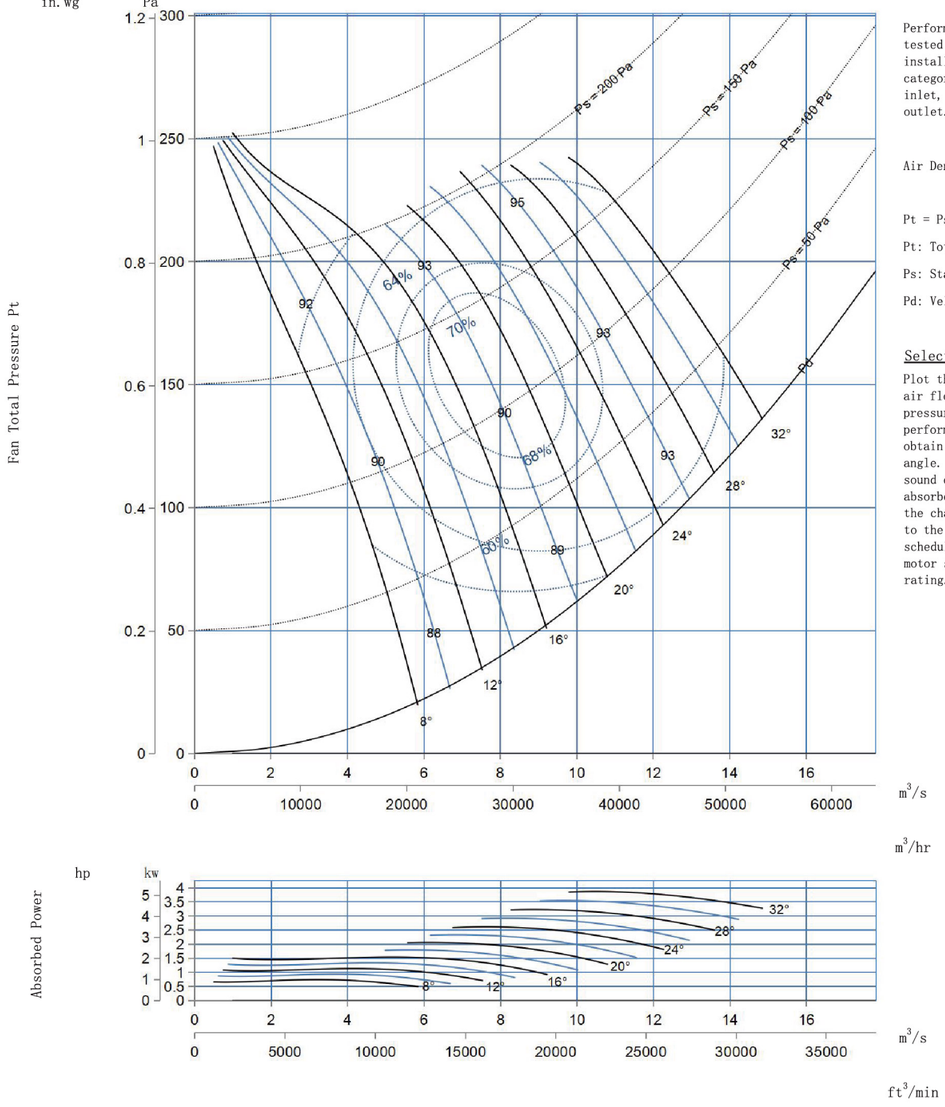
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№11.2-400/6

Performance Chart

8P-735 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	92	91	91	91	91	91	92	93	93	94	94	95	96	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	74	73	73	73	73	73	74	74	75	76	76	77	78	/	/
dBA@2m	68	67	67	67	67	67	68	68	69	70	70	71	72	/	/
dBA@3m	64	63	63	63	63	63	64	64	65	66	66	67	68	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	80	80	80	80	79	80	81	81	82	82	83	84	85	/	/
dBA@2m	74	74	74	74	73	74	75	75	76	76	77	78	79	/	/
dBA@3m	70	70	70	70	69	70	71	71	72	72	73	74	75	/	/

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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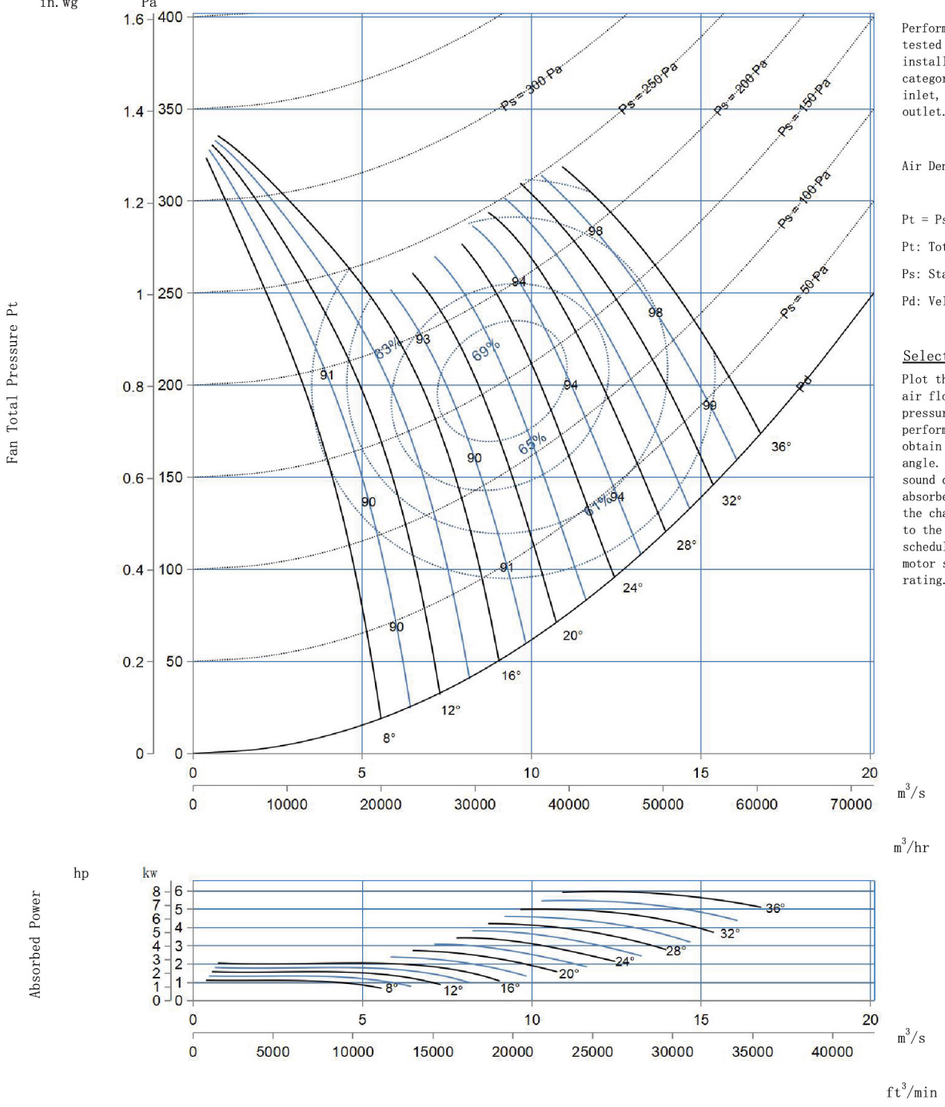
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№11.2-400/9

Performance Chart

8P-735 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	92	92	92	91	91	92	92	93	93	94	95	96	97	98	99
Inlet A-weighted Sound Pressure Level															
dBA@1m	83	82	82	82	81	82	82	83	83	84	85	86	87	88	89
dBA@2m	77	76	76	76	75	76	76	77	77	78	79	80	81	82	83
dBA@3m	73	72	72	72	71	72	72	73	73	74	75	76	77	78	79
Outlet A-weighted Sound Pressure Level															
dBA@1m	77	77	77	76	76	77	77	78	78	79	80	81	82	83	84
dBA@2m	71	71	71	70	70	71	71	72	72	73	74	75	76	77	78
dBA@3m	67	67	67	66	66	67	67	68	68	69	70	71	72	73	74

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1120 mm 50Hz

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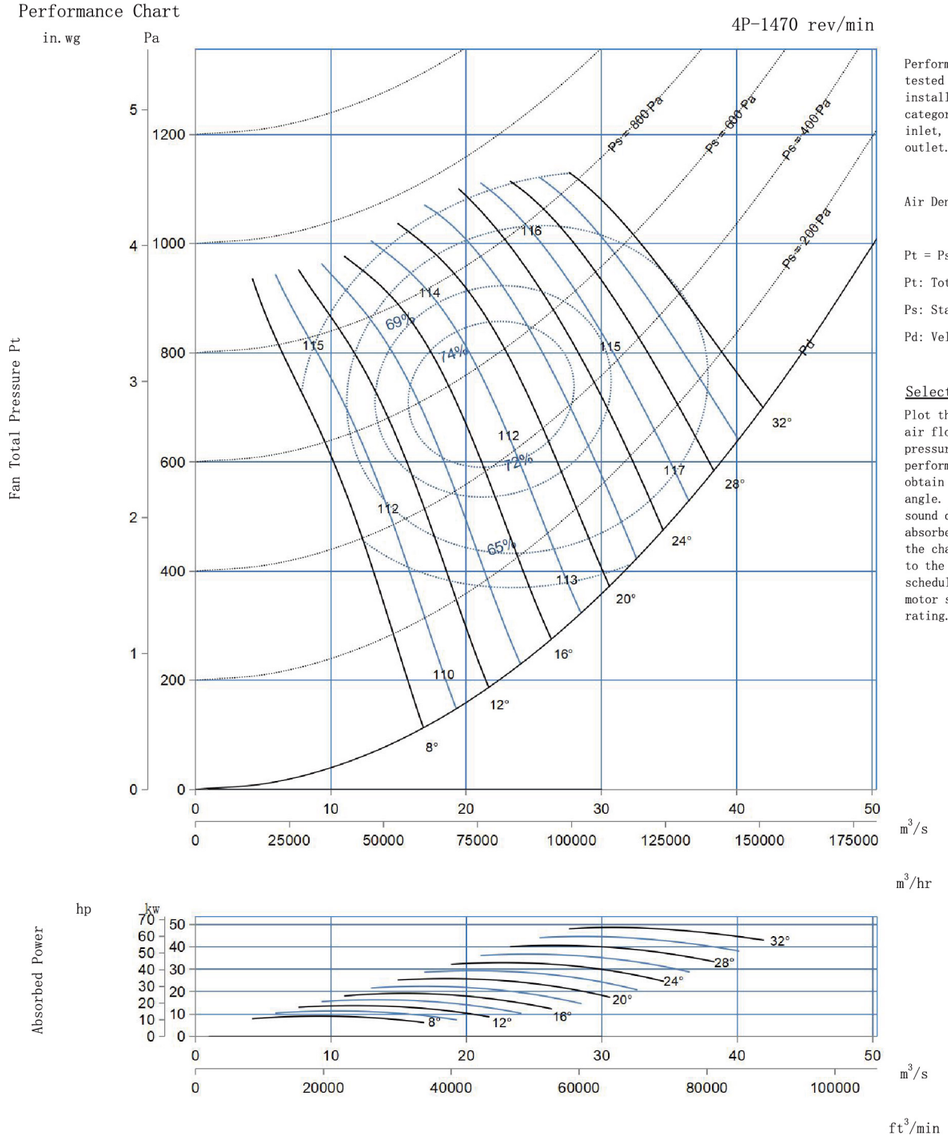
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№12.5-400/6

Performance Chart

4P-1470 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	113	113	113	113	113	114	114	115	116	116	116	117	117	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	103	103	103	103	103	104	105	105	106	106	107	107	107	/	/
dBA@2m	97	97	97	97	97	98	99	99	100	100	101	101	101	/	/
dBA@3m	93	93	93	93	93	94	95	95	96	96	97	97	97	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	103	103	103	103	103	104	105	105	106	106	107	107	107	/	/
dBA@2m	97	97	97	97	97	98	99	99	100	100	101	101	101	/	/
dBA@3m	93	93	93	93	93	94	95	95	96	96	97	97	97	/	/

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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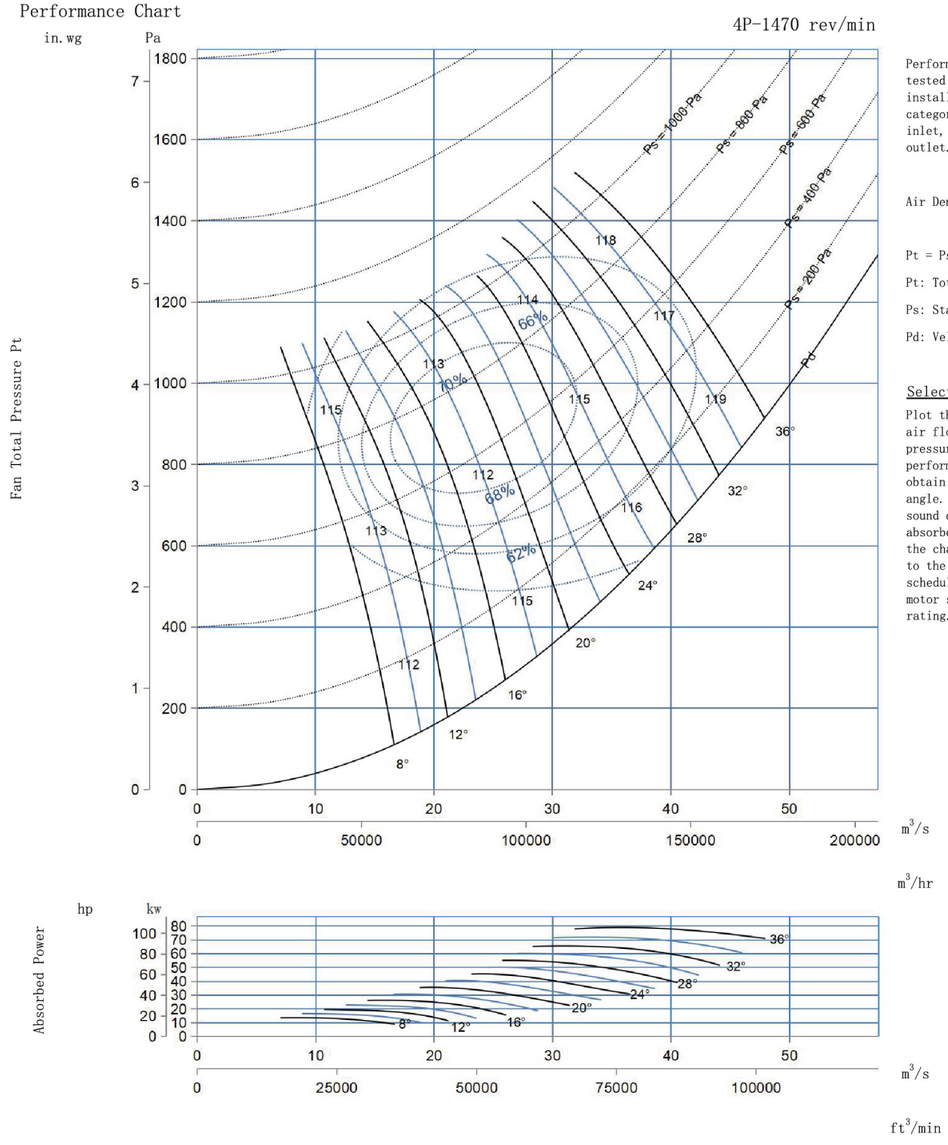
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№12.5-400/9

Performance Chart

4P-1470 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	114	114	114	114	113	114	114	114	114	115	116	116	117	118	119
Inlet A-weighted Sound Pressure Level															
dBA@1m	102	101	101	101	101	101	101	101	102	102	103	104	105	106	106
dBA@2m	96	95	95	95	95	95	95	95	96	96	97	98	99	100	100
dBA@3m	92	91	91	91	91	91	91	91	92	92	93	94	95	96	96
Outlet A-weighted Sound Pressure Level															
dBA@1m	105	105	105	104	104	104	105	105	105	106	107	107	108	109	110
dBA@2m	99	99	99	98	98	98	99	99	99	100	101	101	102	103	104
dBA@3m	95	95	95	94	94	94	95	95	95	96	97	97	98	99	100

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

The "A"-weighting is an attempt to reflect the natural attention of sound and varies according to the distance of source to the listener and its environment.

Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1250 mm 50Hz
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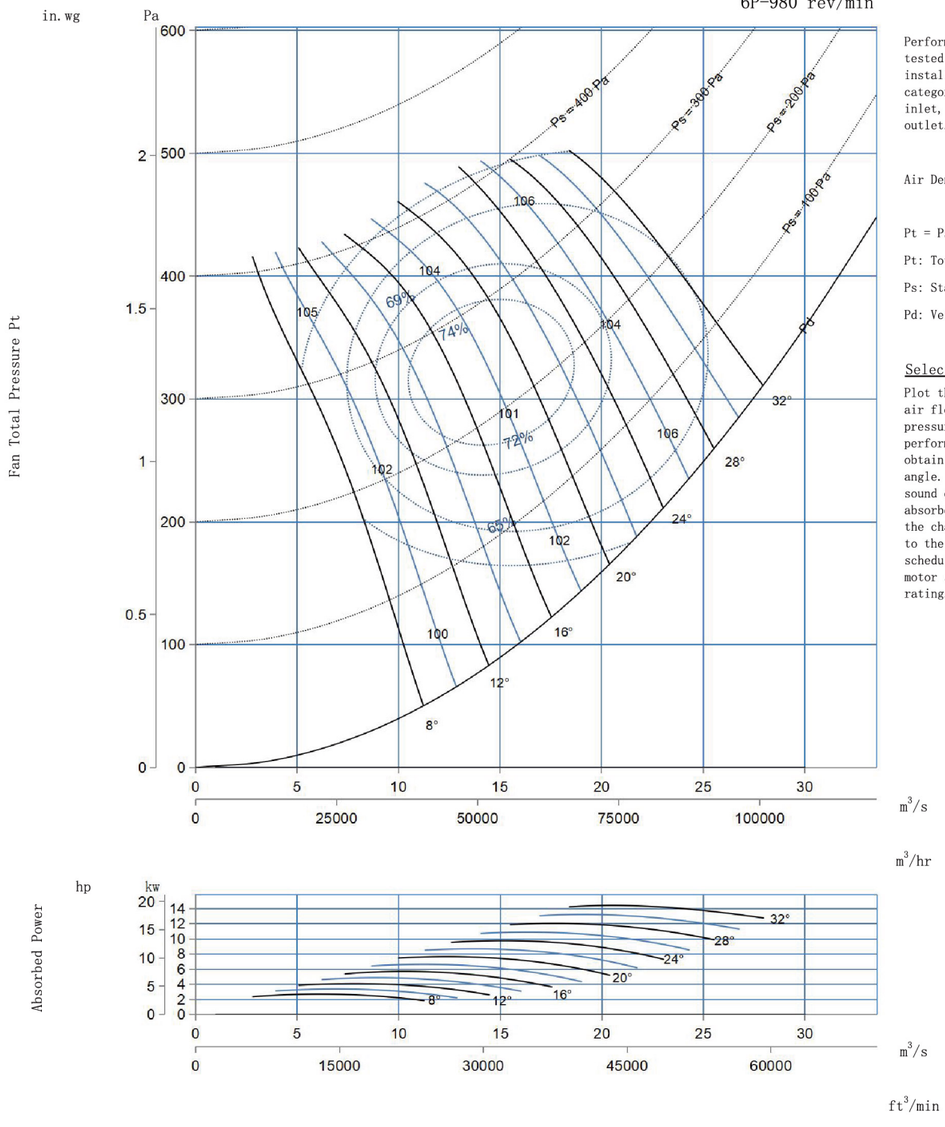
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№12.5-400/6

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	103	103	103	103	102	103	104	104	105	105	106	106	107	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	92	92	92	91	91	92	92	93	94	94	95	95	95	/	/
dBA@2m	86	86	86	85	85	86	86	87	88	88	89	89	89	/	/
dBA@3m	82	82	82	81	81	82	82	83	84	84	85	85	85	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	87	86	86	86	86	86	87	88	88	89	89	90	90	/	/
dBA@2m	81	80	80	80	80	80	81	82	82	83	83	84	84	/	/
dBA@3m	77	76	76	76	76	76	77	78	78	79	79	80	80	/	/

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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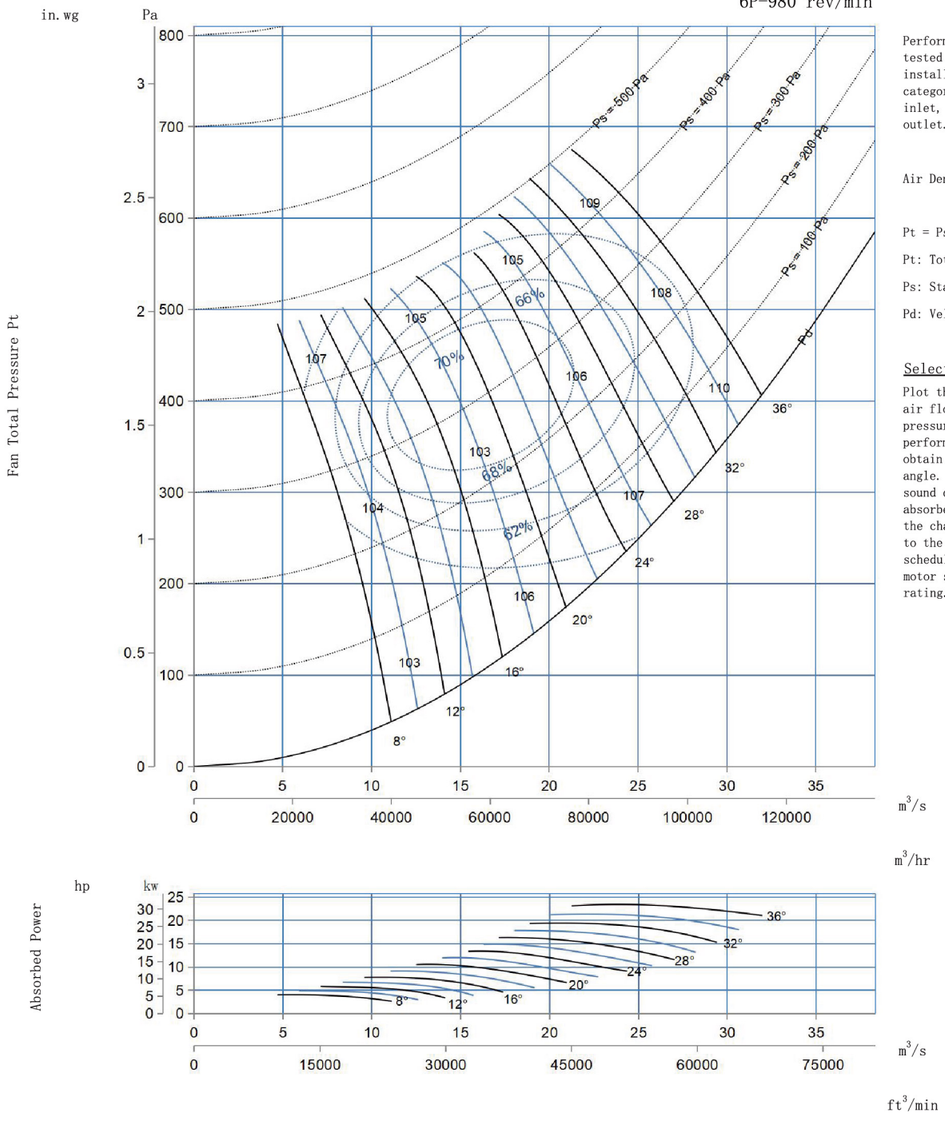
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№12.5-400/9

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	105	105	105	105	104	104	105	105	105	106	106	107	108	109	109
Inlet A-weighted Sound Pressure Level															
dBA@1m	95	95	95	95	95	95	95	95	95	96	97	98	98	99	100
dBA@2m	89	89	89	89	89	89	89	89	89	90	91	92	92	93	94
dBA@3m	85	85	85	85	85	85	85	85	85	86	87	88	88	89	90
Outlet A-weighted Sound Pressure Level															
dBA@1m	95	95	95	95	95	95	95	95	95	96	97	98	98	99	100
dBA@2m	89	89	89	89	89	89	89	89	89	90	91	92	92	93	94
dBA@3m	85	85	85	85	85	85	85	85	85	86	87	88	88	89	90

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Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1250 mm 50Hz
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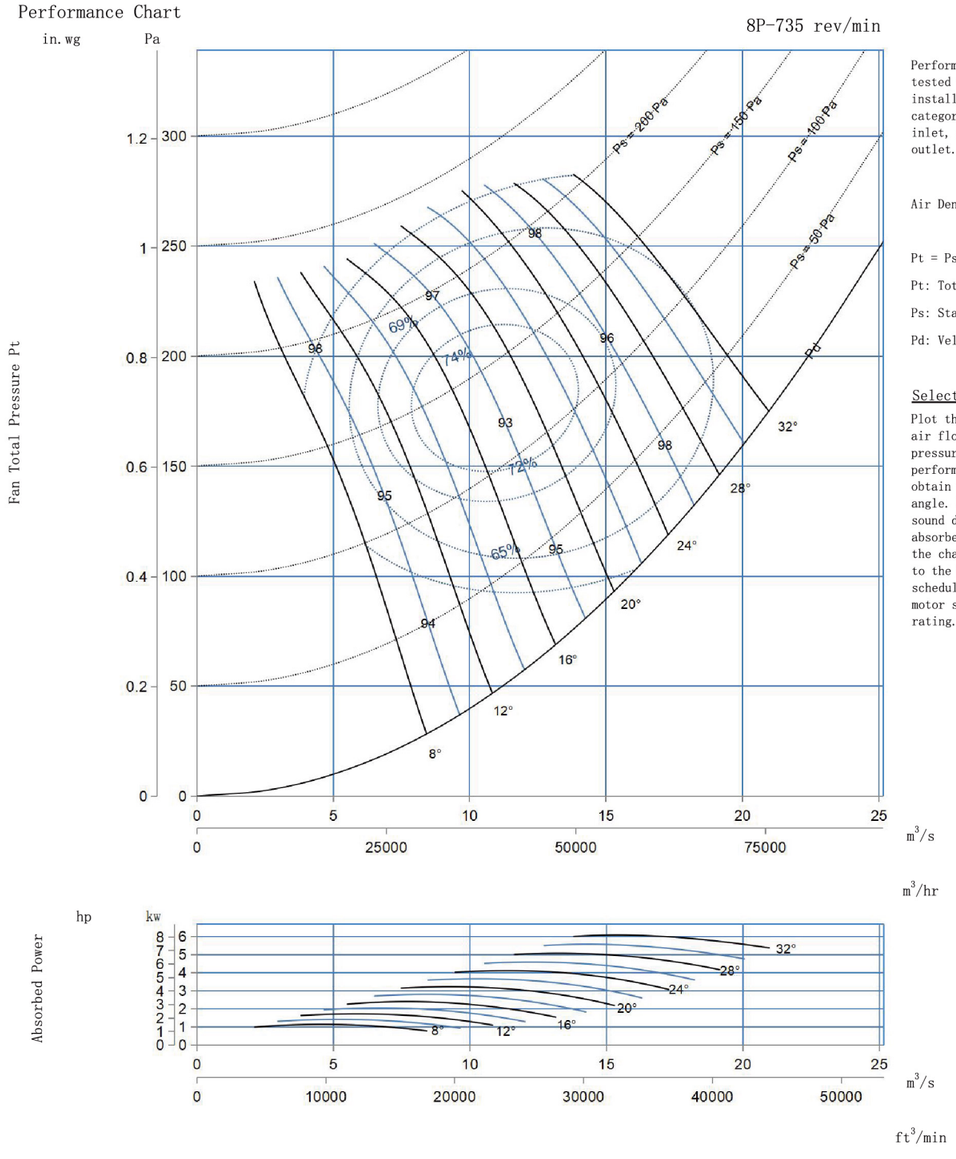
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№12.5-400/6

Performance Chart

8P-735 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	96	96	96	95	95	95	96	96	97	97	98	99	99	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	80	80	80	79	79	79	80	80	80	81	82	82	83	/	/
dBA@2m	74	74	74	73	73	73	74	74	74	75	76	76	77	/	/
dBA@3m	70	70	70	69	69	69	70	70	70	71	72	72	73	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	80	80	80	79	79	79	80	80	80	81	82	82	83	/	/
dBA@2m	74	74	74	73	73	73	74	74	74	75	76	76	77	/	/
dBA@3m	70	70	70	69	69	69	70	70	70	71	72	72	73	/	/

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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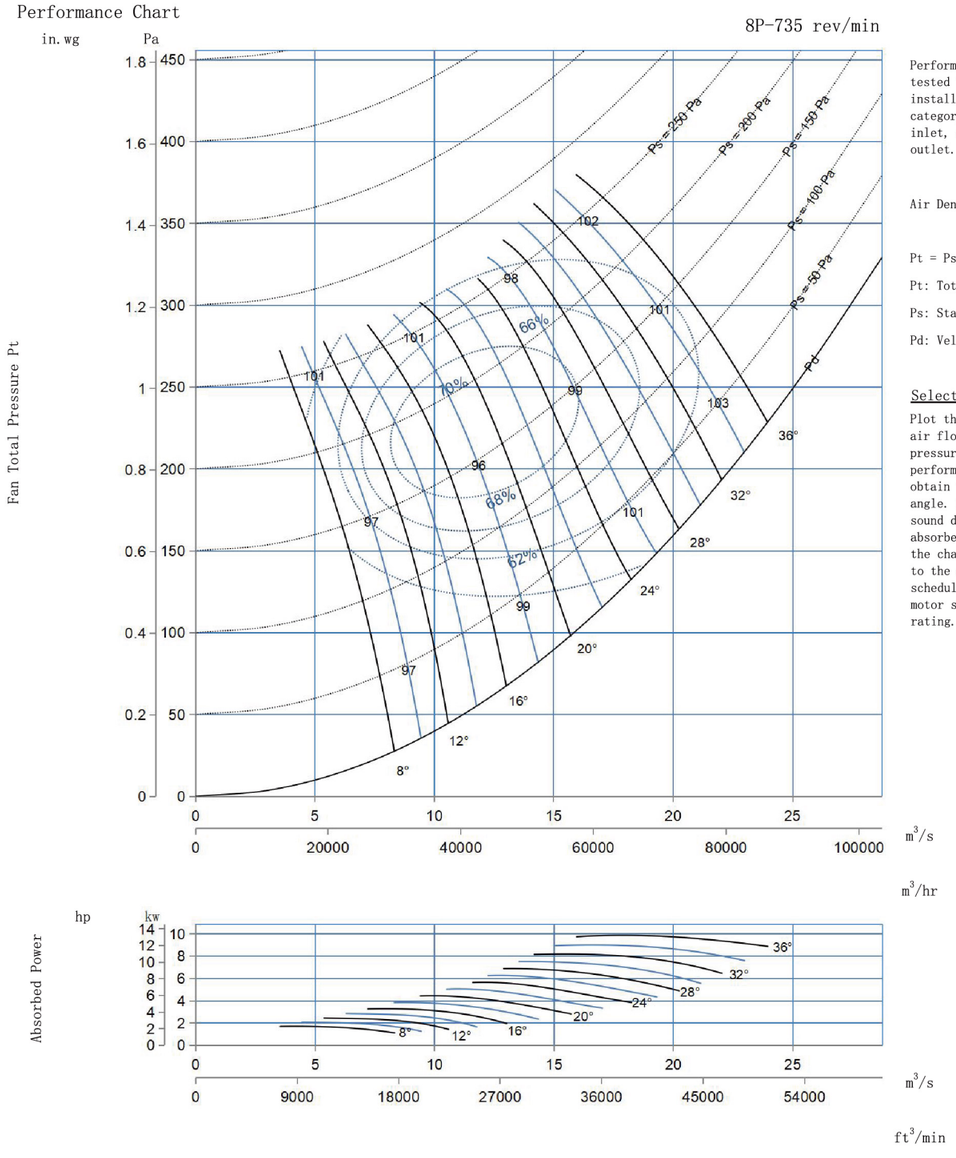
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№12.5-400/9

Performance Chart

8P-735 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	98	98	98	98	98	98	98	98	98	99	99	100	101	102	103
Inlet A-weighted Sound Pressure Level															
dBA@1m	84	84	84	84	84	84	84	84	84	85	85	86	87	88	88
dBA@2m	78	78	78	78	78	78	78	78	78	79	79	80	81	82	82
dBA@3m	74	74	74	74	74	74	74	74	74	75	75	76	77	78	78
Outlet A-weighted Sound Pressure Level															
dBA@1m	84	84	84	84	83	83	84	84	84	84	85	86	87	87	88
dBA@2m	78	78	78	78	77	77	78	78	78	78	79	80	81	81	82
dBA@3m	74	74	74	74	73	73	74	74	74	74	75	76	77	77	78

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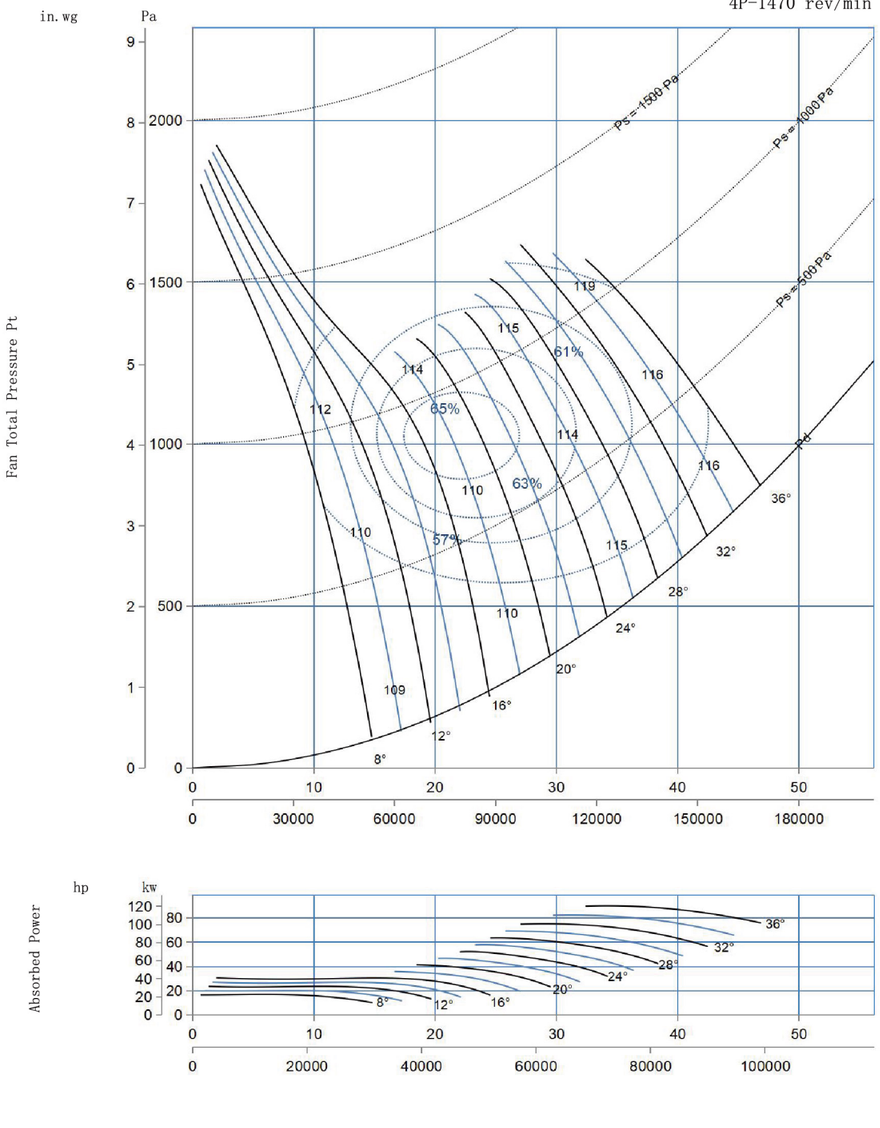
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№12.5-500/12

Performance Chart

4P-1470 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m^3

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	114	114	113	112	111	112	113	113	114	114	115	115	116	116	117
Inlet A-weighted Sound Pressure Level															
dBA@1m	105	104	103	102	101	102	103	103	104	105	105	106	106	107	107
dBA@2m	99	98	97	96	95	96	97	97	98	99	99	100	100	101	101
dBA@3m	95	94	93	92	91	92	93	93	94	95	95	96	96	97	97
Outlet A-weighted Sound Pressure Level															
dBA@1m	101	100	99	99	98	99	99	100	101	101	102	102	103	103	104
dBA@2m	95	94	93	93	92	93	93	94	95	95	96	96	97	97	98
dBA@3m	91	90	89	89	88	89	89	90	91	91	92	92	93	93	94

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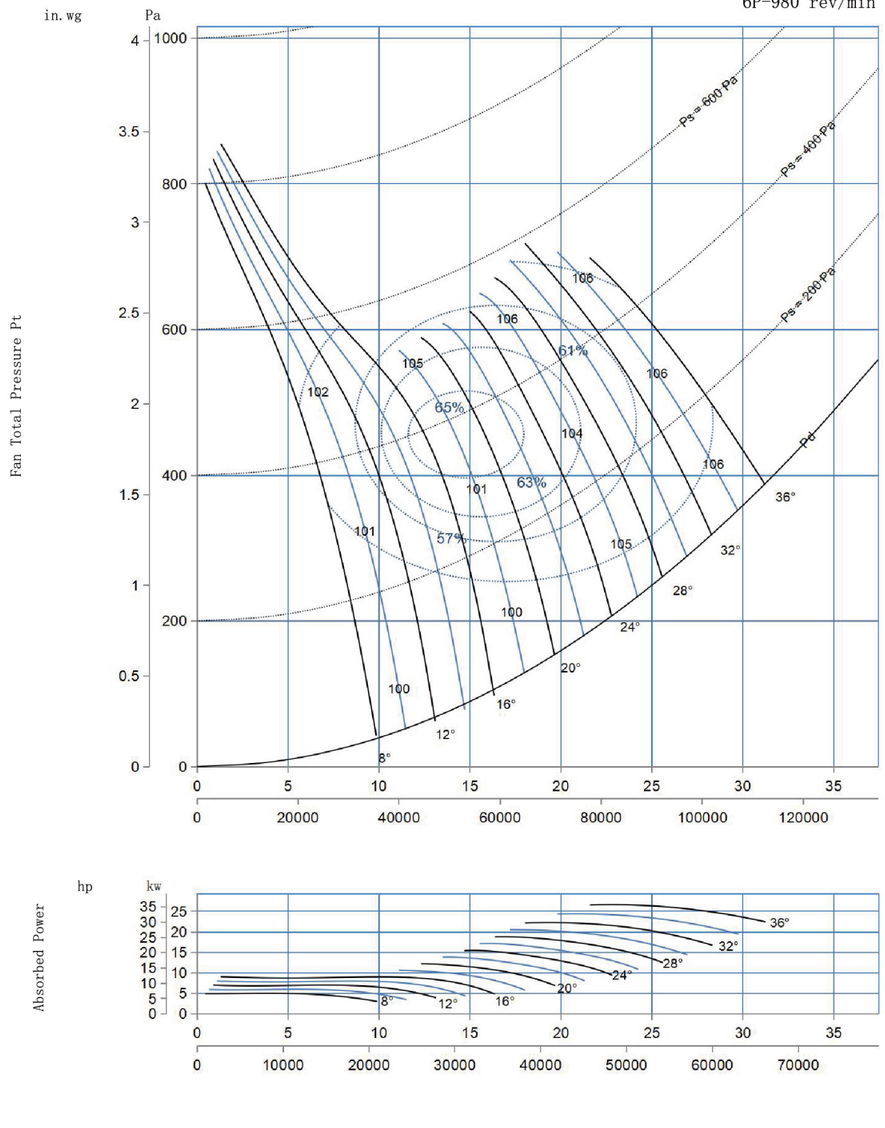
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№12.5-500/12

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m^3

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	105	104	103	103	102	102	103	103	104	104	105	106	106	107	107
Inlet A-weighted Sound Pressure Level															
dBA@1m	90	89	88	87	86	87	87	88	88	89	89	90	91	91	92
dBA@2m	84	83	82	81	80	81	81	82	82	83	83	84	85	85	86
dBA@3m	80	79	78	77	76	77	77	78	78	79	79	80	81	81	82
Outlet A-weighted Sound Pressure Level															
dBA@1m	95	95	94	93	92	93	93	94	94	95	95	96	97	97	98
dBA@2m	89	89	88	87	86	87	87	88	88	89	89	90	91	91	92
dBA@3m	85	85	84	83	82	83	83	84	84	85	85	86	87	87	88

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1250 mm 50Hz

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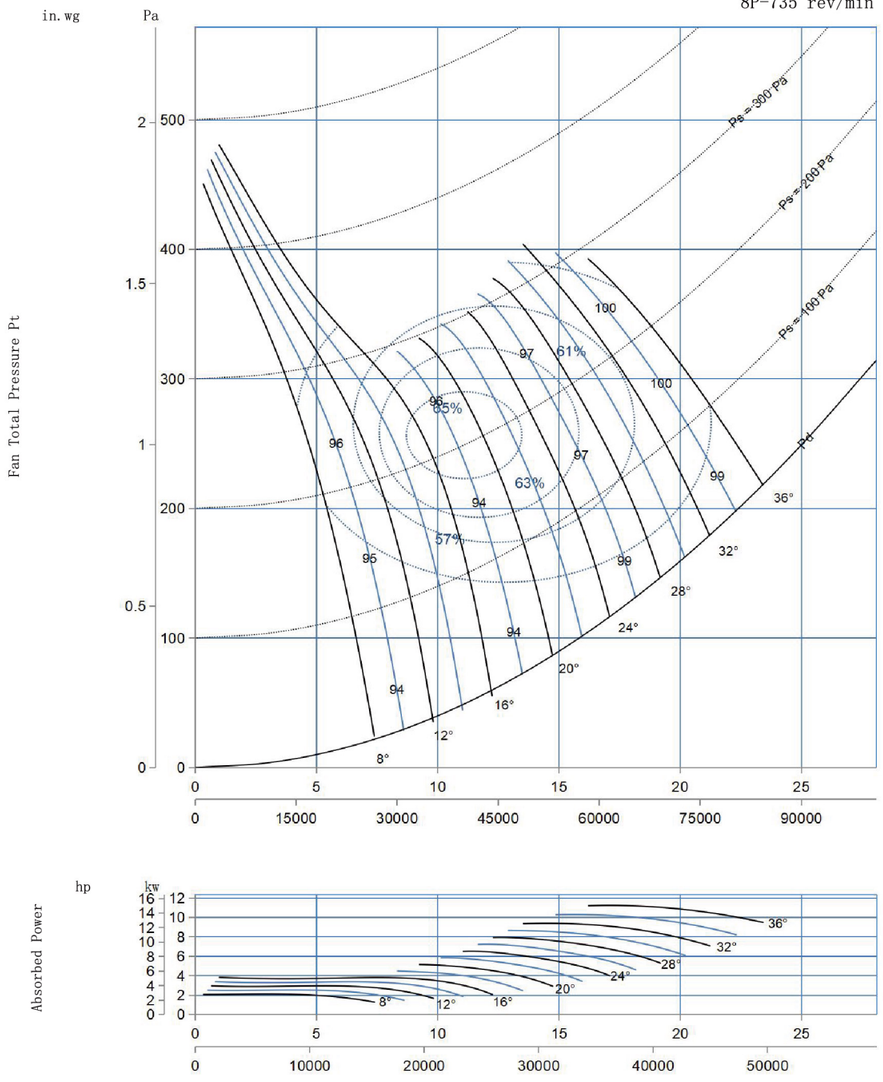
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№12.5-500/12

Performance Chart

8P-735 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	99	98	97	96	95	96	97	97	98	98	99	99	100	100	101
Inlet A-weighted Sound Pressure Level															
dBA@1m	83	82	82	81	80	80	81	81	82	83	83	83	84	84	85
dBA@2m	77	76	76	75	74	74	75	75	76	77	77	77	78	78	79
dBA@3m	73	72	72	71	70	70	71	71	72	73	73	73	74	74	75
Outlet A-weighted Sound Pressure Level															
dBA@1m	89	88	88	87	86	86	87	87	88	88	89	89	90	90	91
dBA@2m	83	82	82	81	80	80	81	81	82	82	83	83	84	84	85
dBA@3m	79	78	78	77	76	76	77	77	78	78	79	79	80	80	81

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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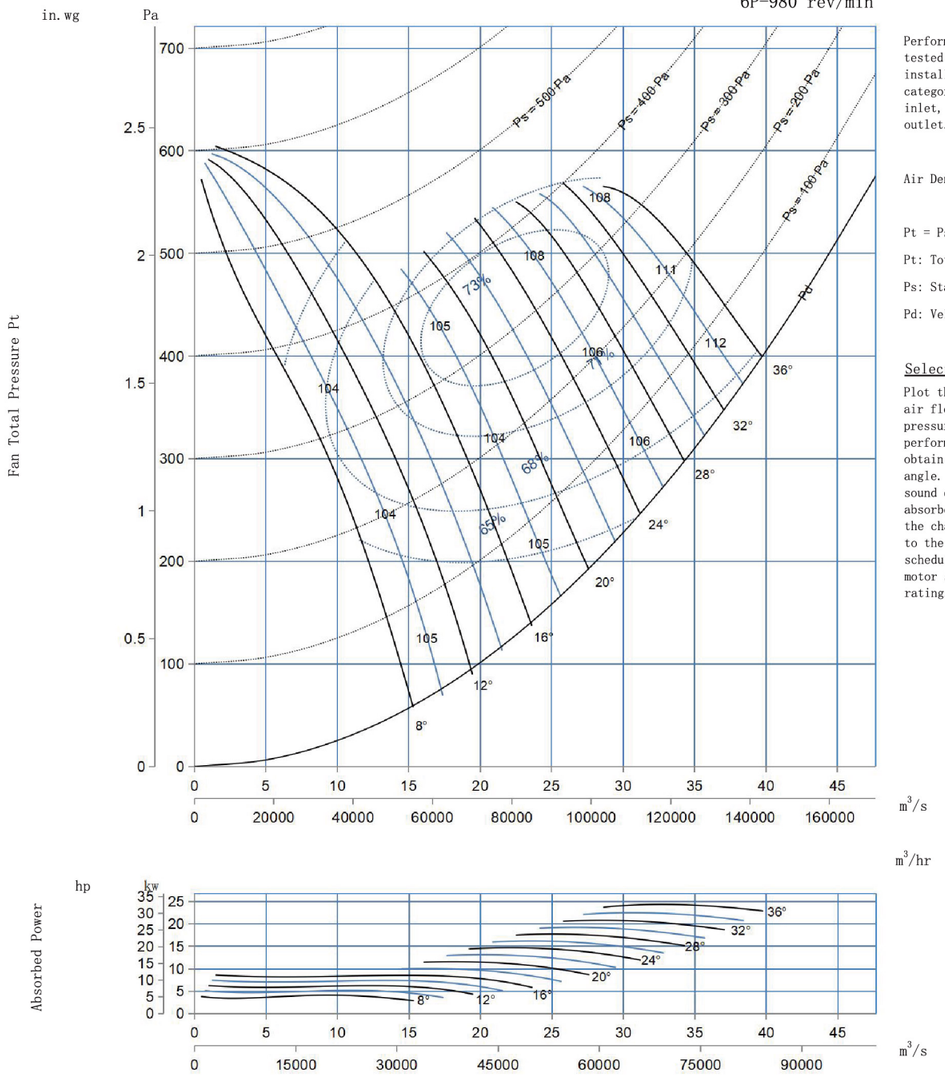
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№14-500/6

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	106	106	105	105	104	105	105	106	106	107	108	109	110	111	112
Inlet A-weighted Sound Pressure Level															
dBA@1m	91	91	90	90	89	90	90	91	91	92	93	94	95	96	97
dBA@2m	85	85	84	84	83	84	84	85	85	86	87	88	89	90	91
dBA@3m	81	81	80	80	79	80	80	81	81	82	83	84	85	86	87
Outlet A-weighted Sound Pressure Level															
dBA@1m	92	91	91	90	90	90	91	91	91	92	93	94	95	96	97
dBA@2m	86	85	85	84	84	84	85	85	85	86	87	88	89	90	91
dBA@3m	82	81	81	80	80	80	81	81	81	82	83	84	85	86	87

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1400 mm 50Hz

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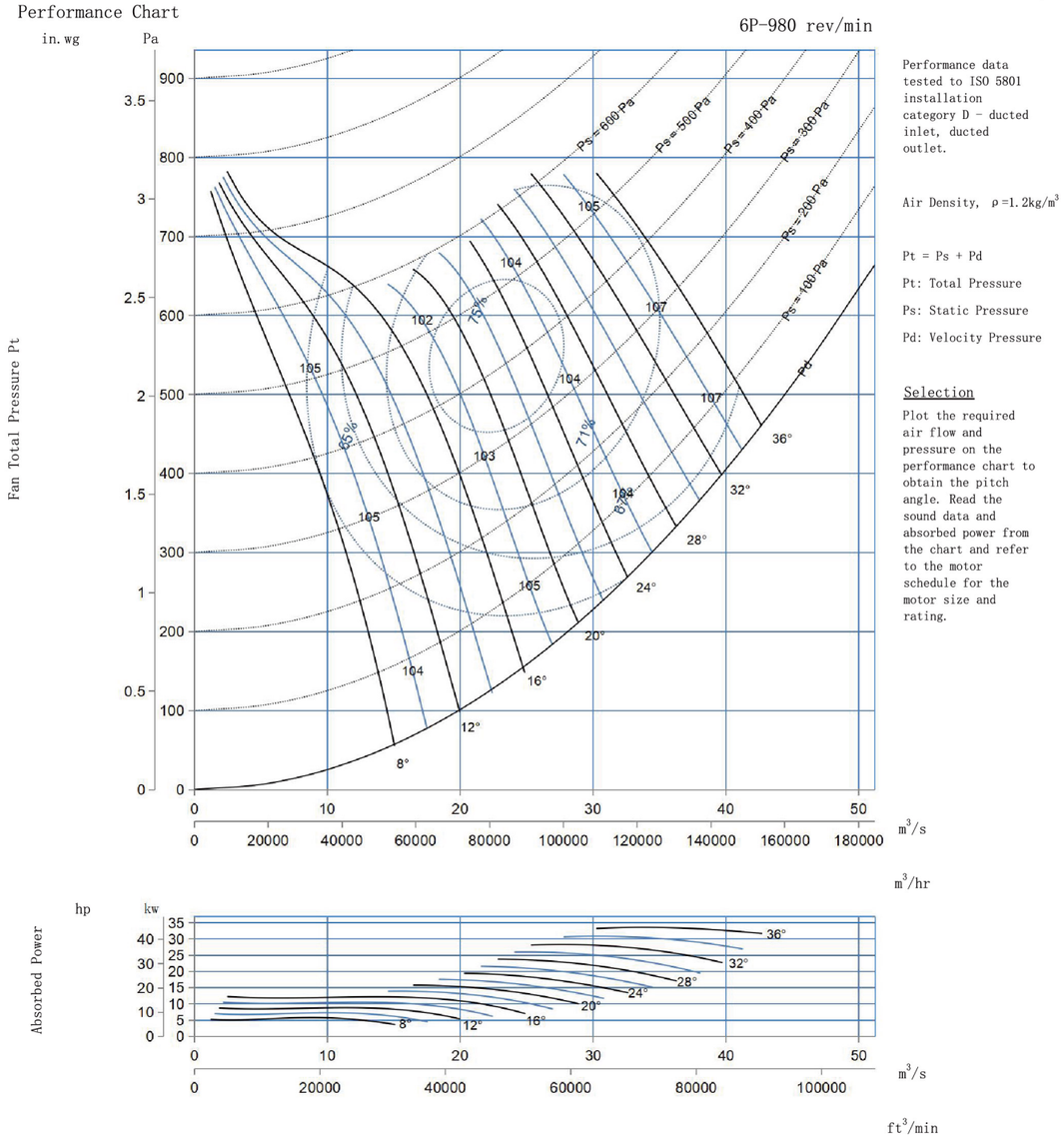
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№14-500/9

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	106	105	104	104	103	103	103	103	103	104	104	105	105	106	107
Inlet A-weighted Sound Pressure Level															
dBA@1m	94	93	93	92	91	91	91	91	91	92	93	93	94	94	95
dBA@2m	88	87	87	86	85	85	85	85	85	86	87	87	88	88	89
dBA@3m	84	83	83	82	81	81	81	81	81	82	83	83	84	84	85
Outlet A-weighted Sound Pressure Level															
dBA@1m	94	94	93	92	91	91	92	92	92	92	93	93	94	95	95
dBA@2m	88	88	87	86	85	85	86	86	86	86	87	87	88	89	89
dBA@3m	84	84	83	82	81	81	82	82	82	82	83	83	84	85	85

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

The "A"-weighting is an attempt to reflect the natural attention of sound and varies according to the distance of source to the listener and its environment.

Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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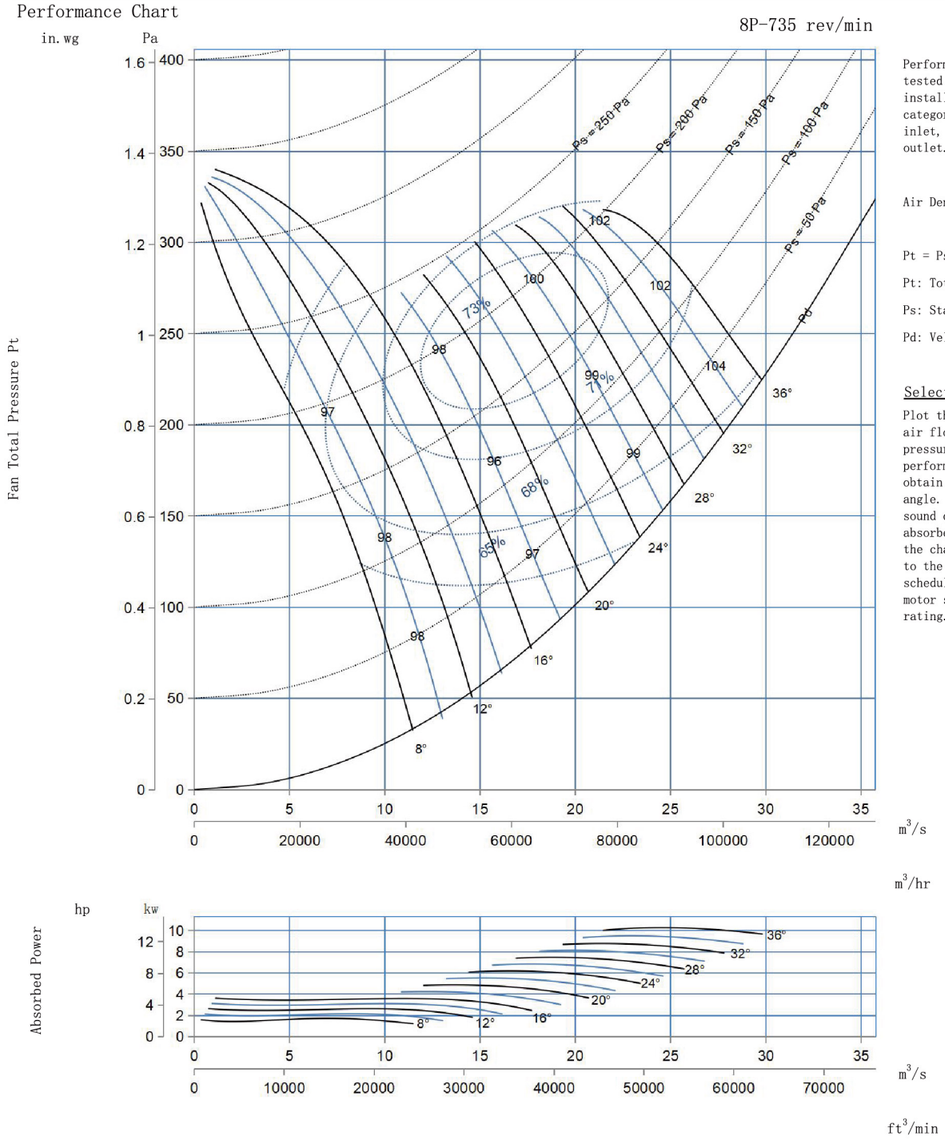
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№14-500/6

Performance Chart

8P-735 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	100	99	98	98	97	97	98	98	99	100	100	101	102	103	104
Inlet A-weighted Sound Pressure Level															
dBA@1m	86	85	84	83	82	83	83	84	84	85	86	87	88	89	90
dBA@2m	80	79	78	77	76	77	77	78	78	79	80	81	82	83	84
dBA@3m	76	75	74	73	72	73	73	74	74	75	76	77	78	79	80
Outlet A-weighted Sound Pressure Level															
dBA@1m	86	85	85	84	83	84	84	84	85	86	87	88	88	89	90
dBA@2m	80	79	79	78	77	78	78	78	79	80	81	82	82	83	84
dBA@3m	76	75	75	74	73	74	74	74	75	76	77	78	78	79	80

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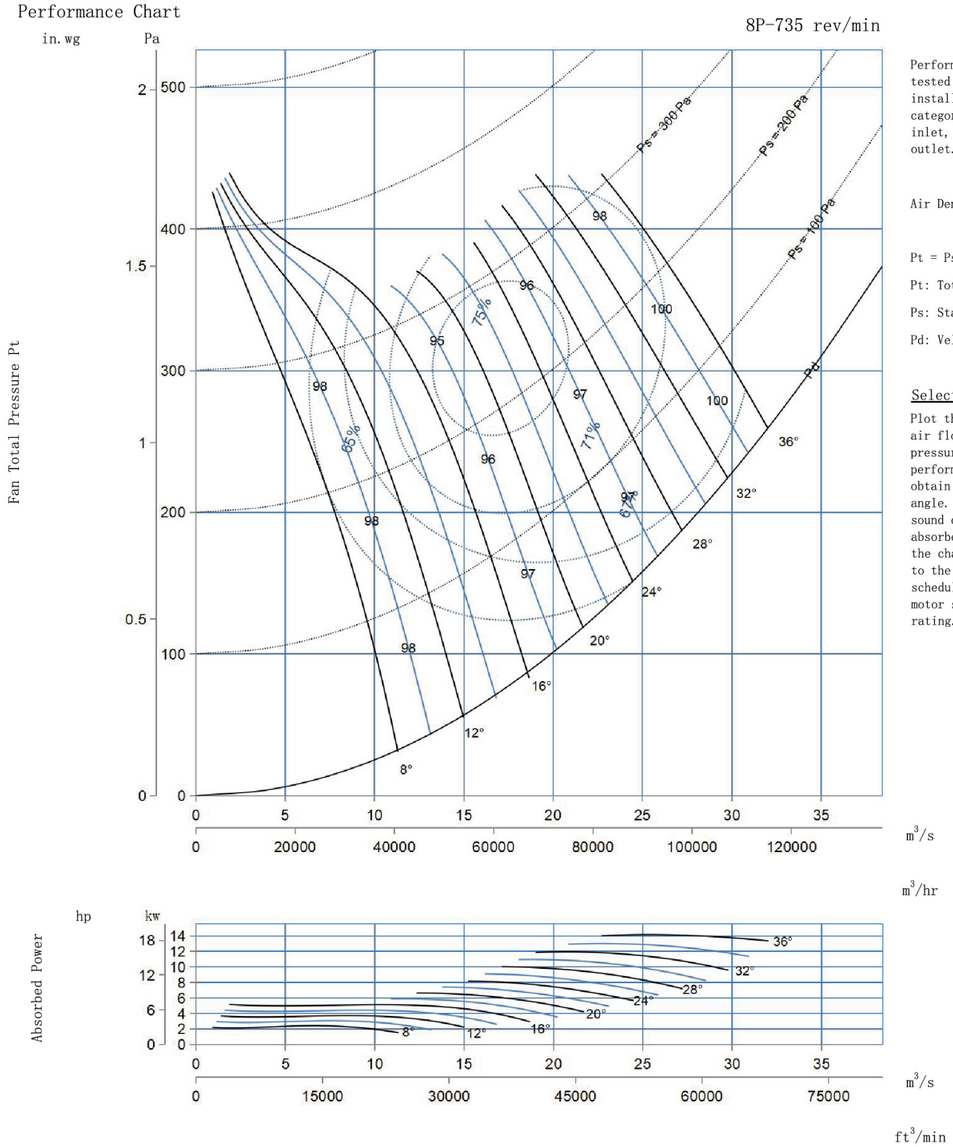
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№14-500/9

Performance Chart

8P-735 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	99	99	98	97	96	96	96	96	96	97	97	98	99	99	100
Inlet A-weighted Sound Pressure Level															
dBA@1m	87	86	85	85	84	84	84	84	84	84	85	86	86	87	87
dBA@2m	81	80	79	79	78	78	78	78	78	78	79	80	80	81	81
dBA@3m	77	76	75	75	74	74	74	74	74	74	75	76	76	77	77
Outlet A-weighted Sound Pressure Level															
dBA@1m	88	87	86	86	85	85	85	85	85	85	86	86	87	88	88
dBA@2m	82	81	80	80	79	79	79	79	79	79	80	80	81	82	82
dBA@3m	78	77	76	76	75	75	75	75	75	75	76	76	77	78	78

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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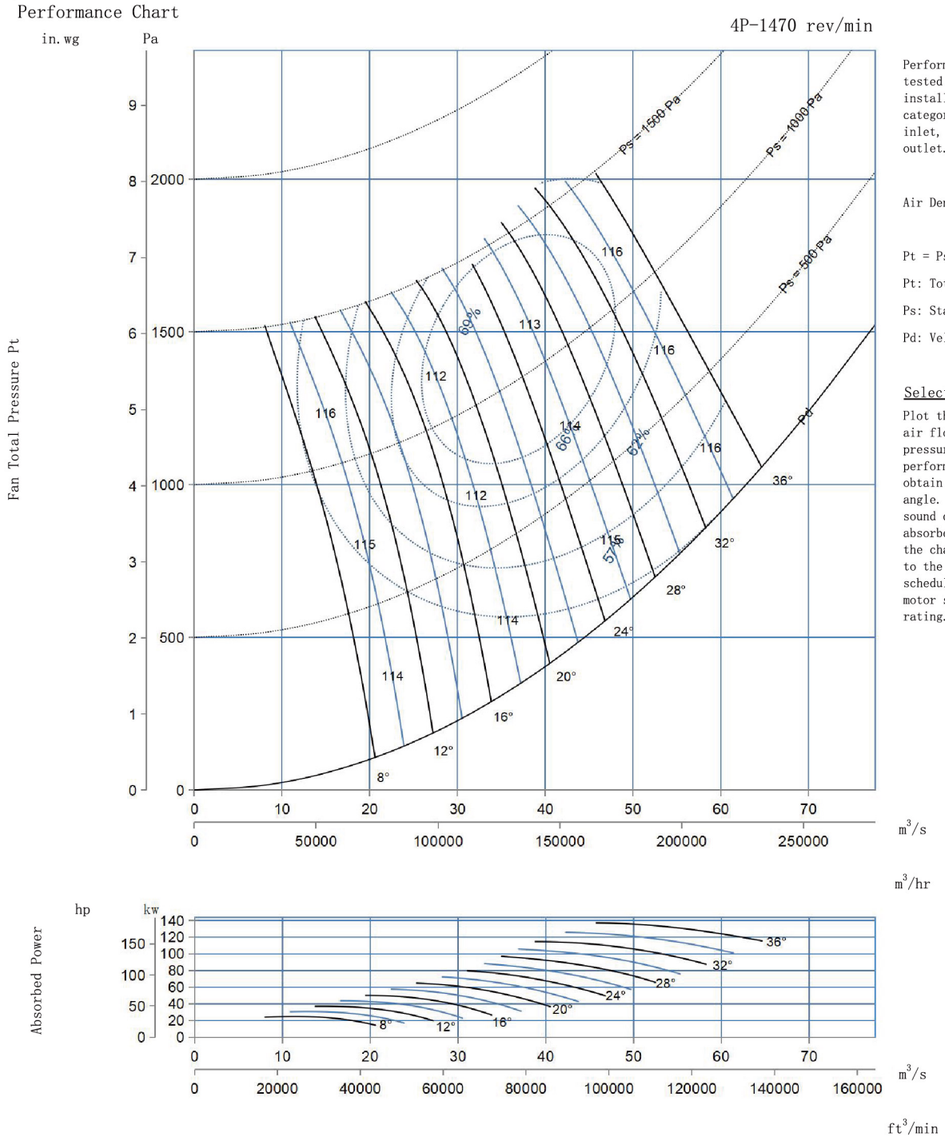
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№14-500/12

Performance Chart

4P-1470 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	116	115	115	114	113	113	113	113	113	114	114	115	115	116	116
Inlet A-weighted Sound Pressure Level															
dBA@1m	106	105	104	103	102	102	103	103	103	103	104	104	105	105	106
dBA@2m	100	99	98	97	96	96	97	97	97	97	98	98	99	99	100
dBA@3m	96	95	94	93	92	92	93	93	93	93	94	94	95	95	96
Outlet A-weighted Sound Pressure Level															
dBA@1m	107	107	106	105	104	104	104	104	105	105	106	106	107	107	107
dBA@2m	101	101	100	99	98	98	98	98	99	99	100	100	101	101	101
dBA@3m	97	97	96	95	94	94	94	94	95	95	96	96	97	97	97

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1400 mm 50Hz

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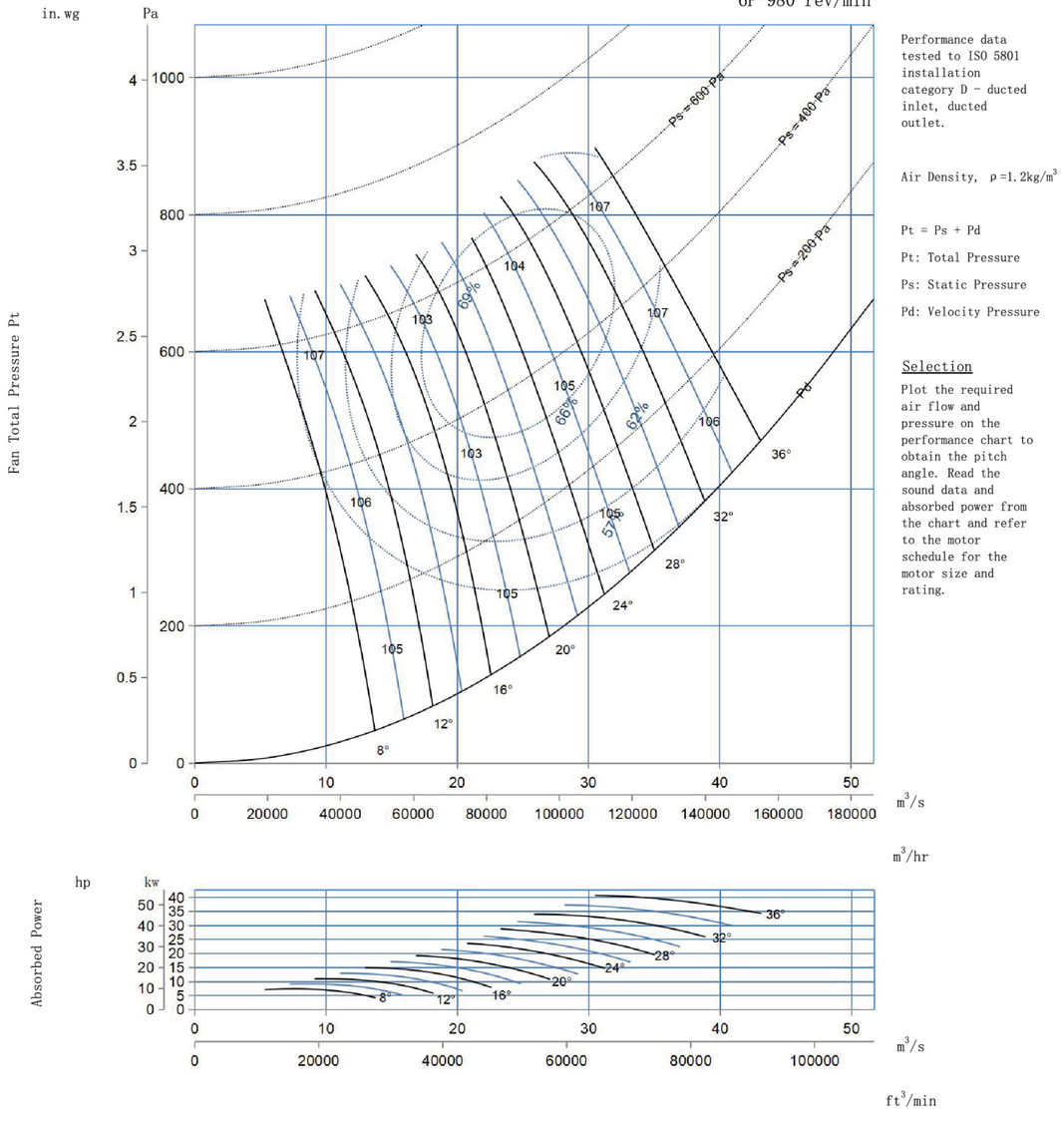
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№14-500/12

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	107	106	105	104	104	104	104	104	104	104	105	105	106	106	107
Inlet A-weighted Sound Pressure Level															
dBA@1m	94	93	92	91	91	91	91	91	91	91	92	92	93	93	94
dBA@2m	88	87	86	85	85	85	85	85	85	85	86	86	87	87	88
dBA@3m	84	83	82	81	81	81	81	81	81	81	82	82	83	83	84
Outlet A-weighted Sound Pressure Level															
dBA@1m	96	95	94	93	92	92	92	92	93	93	93	94	94	95	95
dBA@2m	90	89	88	87	86	86	86	86	87	87	87	88	88	89	89
dBA@3m	86	85	84	83	82	82	82	82	83	83	83	84	84	85	85

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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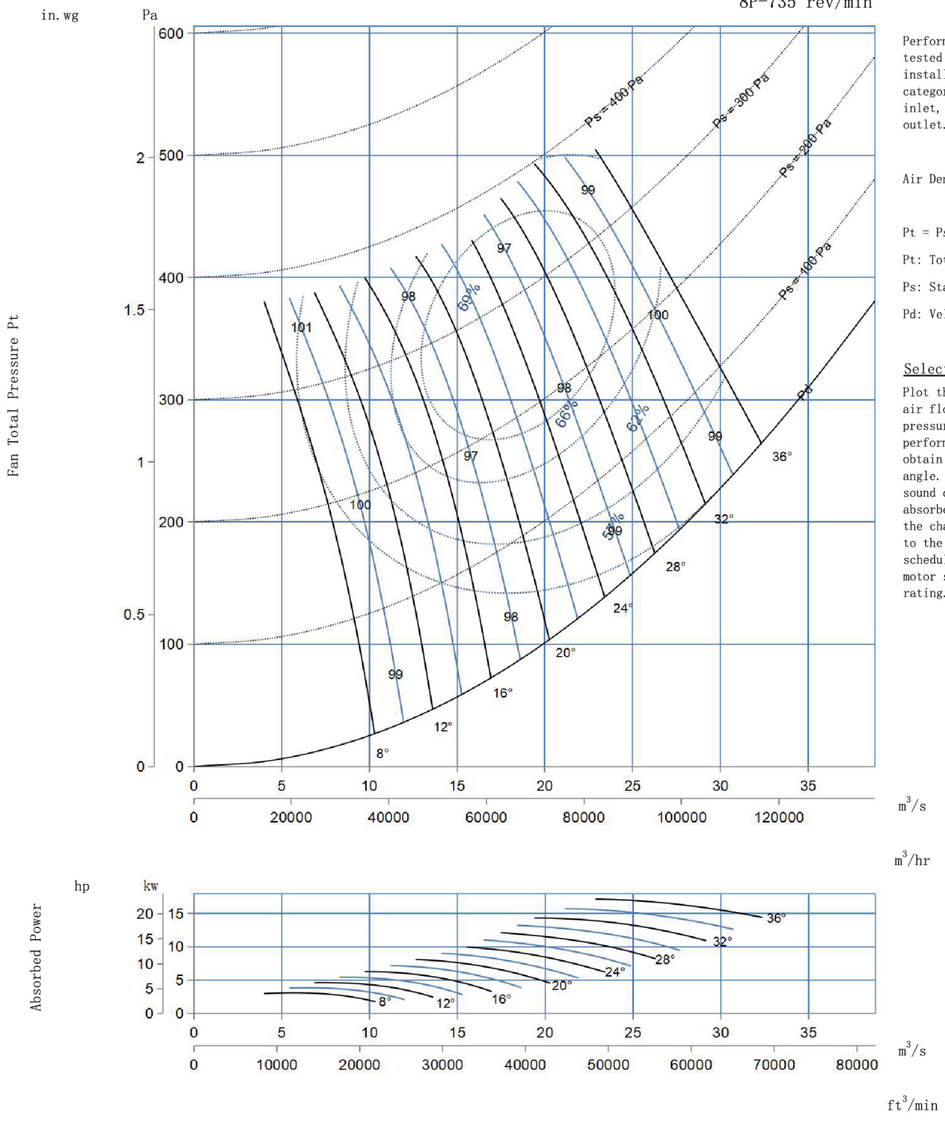
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№14-500/12

Performance Chart

8P-735 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	101	100	99	98	97	97	97	97	97	98	98	99	99	100	100
Inlet A-weighted Sound Pressure Level															
dBA@1m	88	87	86	85	84	85	85	85	85	85	85	86	86	87	87
dBA@2m	82	81	80	79	78	79	79	79	79	79	79	80	80	81	81
dBA@3m	78	77	76	75	74	75	75	75	75	75	75	76	76	77	77
Outlet A-weighted Sound Pressure Level															
dBA@1m	92	91	90	89	88	88	88	88	88	89	89	90	90	91	91
dBA@2m	86	85	84	83	82	82	82	82	82	83	83	84	84	85	85
dBA@3m	82	81	80	79	78	78	78	78	78	79	79	80	80	81	81

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1400 mm 50Hz

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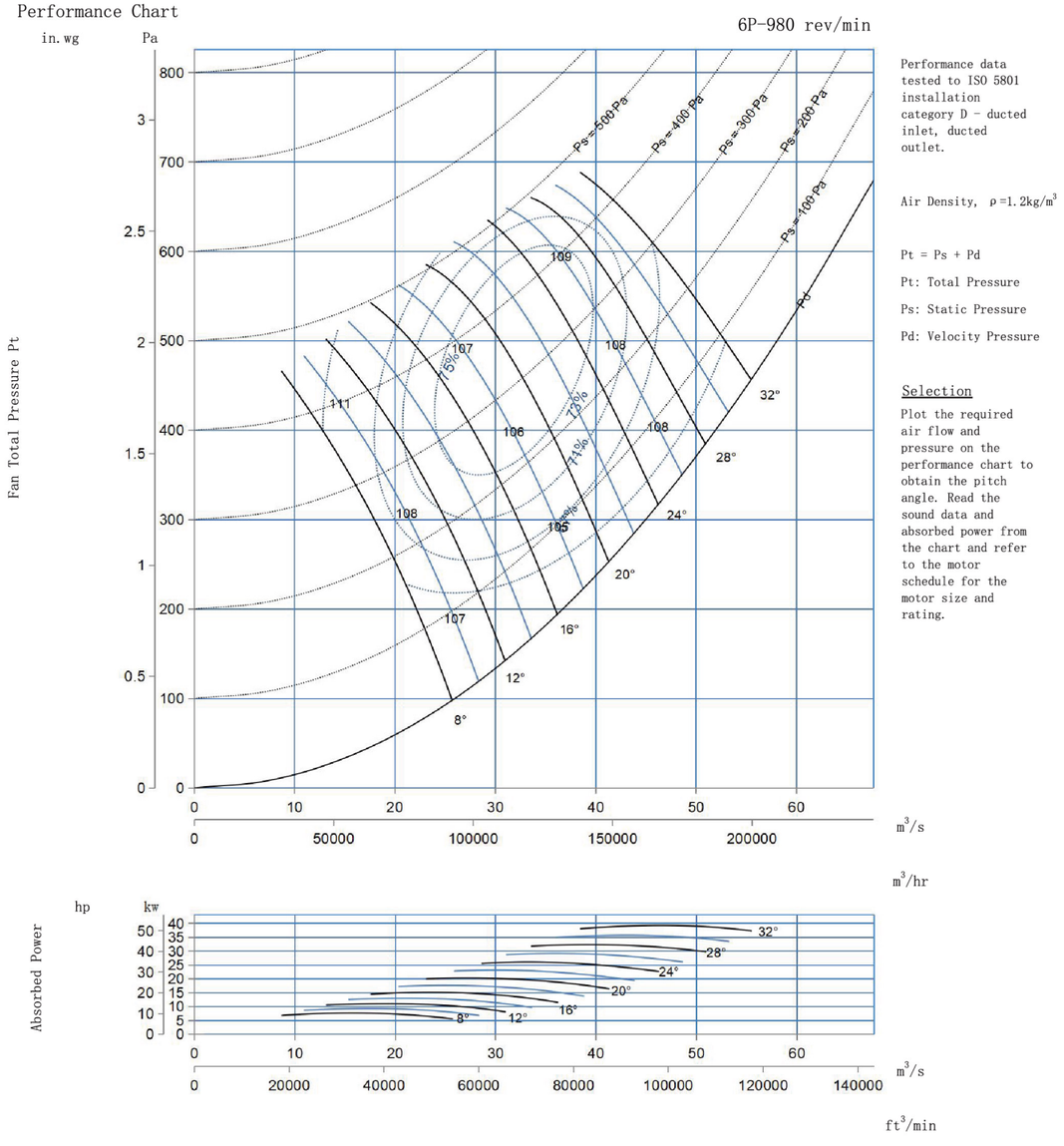
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№16-500/6

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	110	109	109	108	107	108	108	108	108	109	109	110	110	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	97	96	96	95	95	95	95	95	95	96	96	97	97	/	/
dBA@2m	91	90	90	89	89	89	89	89	89	90	90	91	91	/	/
dBA@3m	87	86	86	85	85	85	85	85	85	86	86	87	87	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	97	97	96	96	95	95	95	96	96	96	97	97	98	/	/
dBA@2m	91	91	90	90	89	89	89	90	90	90	91	91	92	/	/
dBA@3m	87	87	86	86	85	85	85	86	86	86	87	87	88	/	/

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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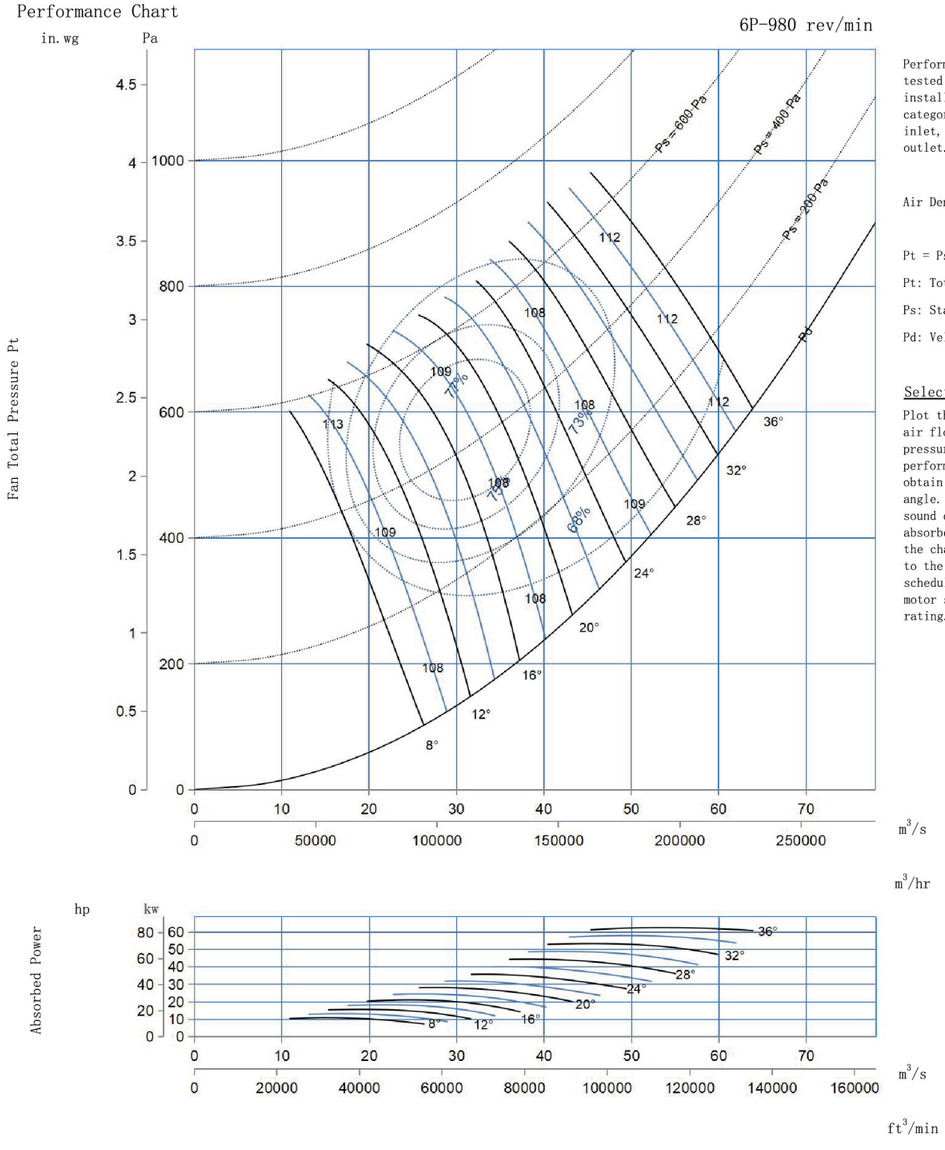
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№16-500/9

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	111	110	110	109	109	109	108	108	108	108	109	110	111	112	112
Inlet A-weighted Sound Pressure Level															
dBA@1m	100	100	99	99	99	98	98	97	97	98	99	99	100	101	102
dBA@2m	94	94	93	93	93	92	92	91	91	92	93	93	94	95	96
dBA@3m	90	90	89	89	89	88	88	87	87	88	89	89	90	91	92
Outlet A-weighted Sound Pressure Level															
dBA@1m	98	98	97	97	97	96	96	96	95	96	97	98	98	99	100
dBA@2m	92	92	91	91	91	90	90	90	89	90	91	92	92	93	94
dBA@3m	88	88	87	87	87	86	86	86	85	86	87	88	88	89	90

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1600 mm 50Hz

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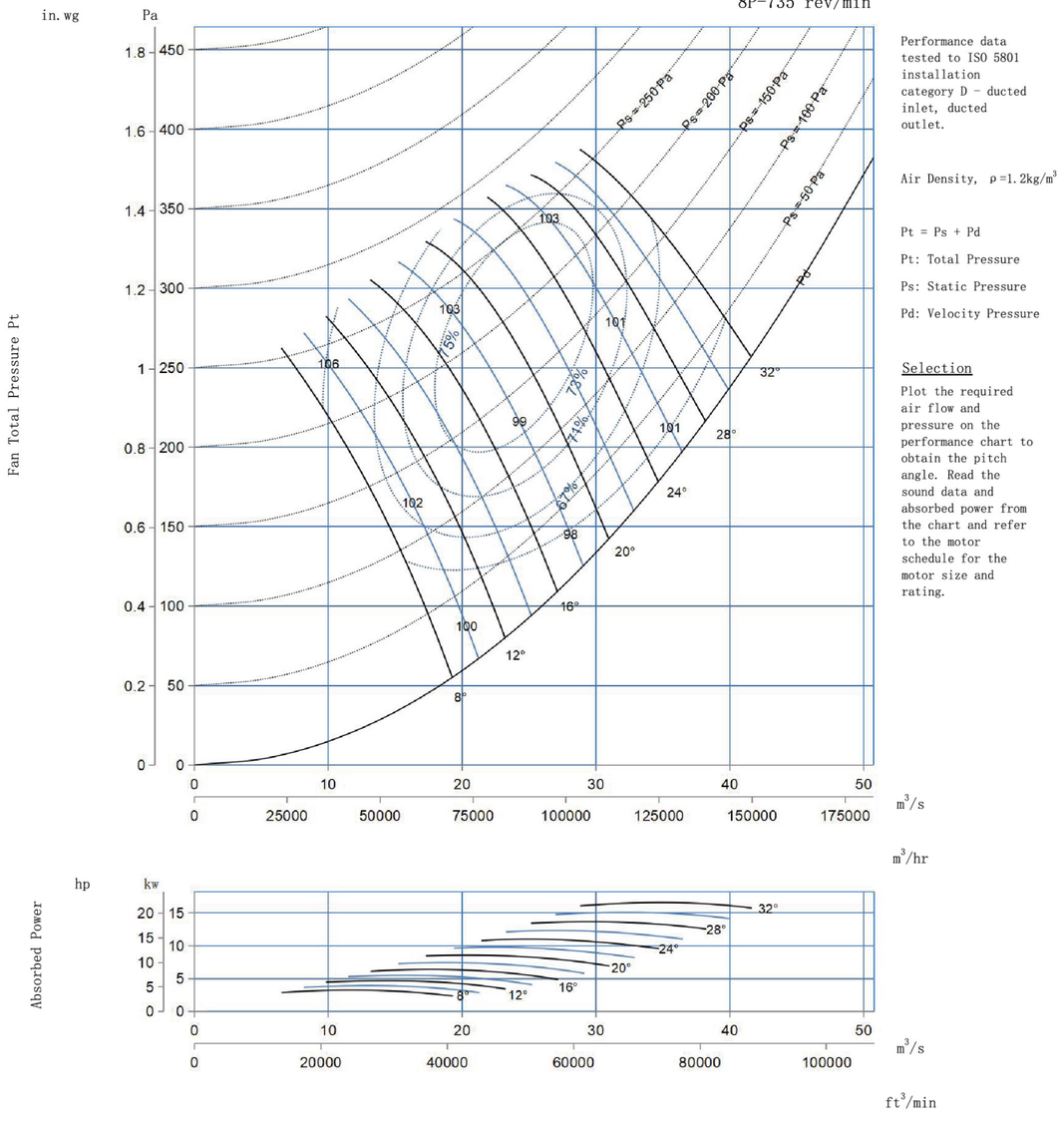
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№16-500/6

Performance Chart

8P-735 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	103	103	102	102	101	101	101	101	102	102	103	103	104	/	/
Inlet A-weighted Sound Pressure Level															
dBA@1m	90	90	89	89	88	88	88	88	89	89	90	90	91	/	/
dBA@2m	84	84	83	83	82	82	82	82	83	83	84	84	85	/	/
dBA@3m	80	80	79	79	78	78	78	78	79	79	80	80	81	/	/
Outlet A-weighted Sound Pressure Level															
dBA@1m	91	90	90	89	89	89	89	89	89	90	90	91	91	/	/
dBA@2m	85	84	84	83	83	83	83	83	83	84	84	85	85	/	/
dBA@3m	81	80	80	79	79	79	79	79	79	80	80	81	81	/	/

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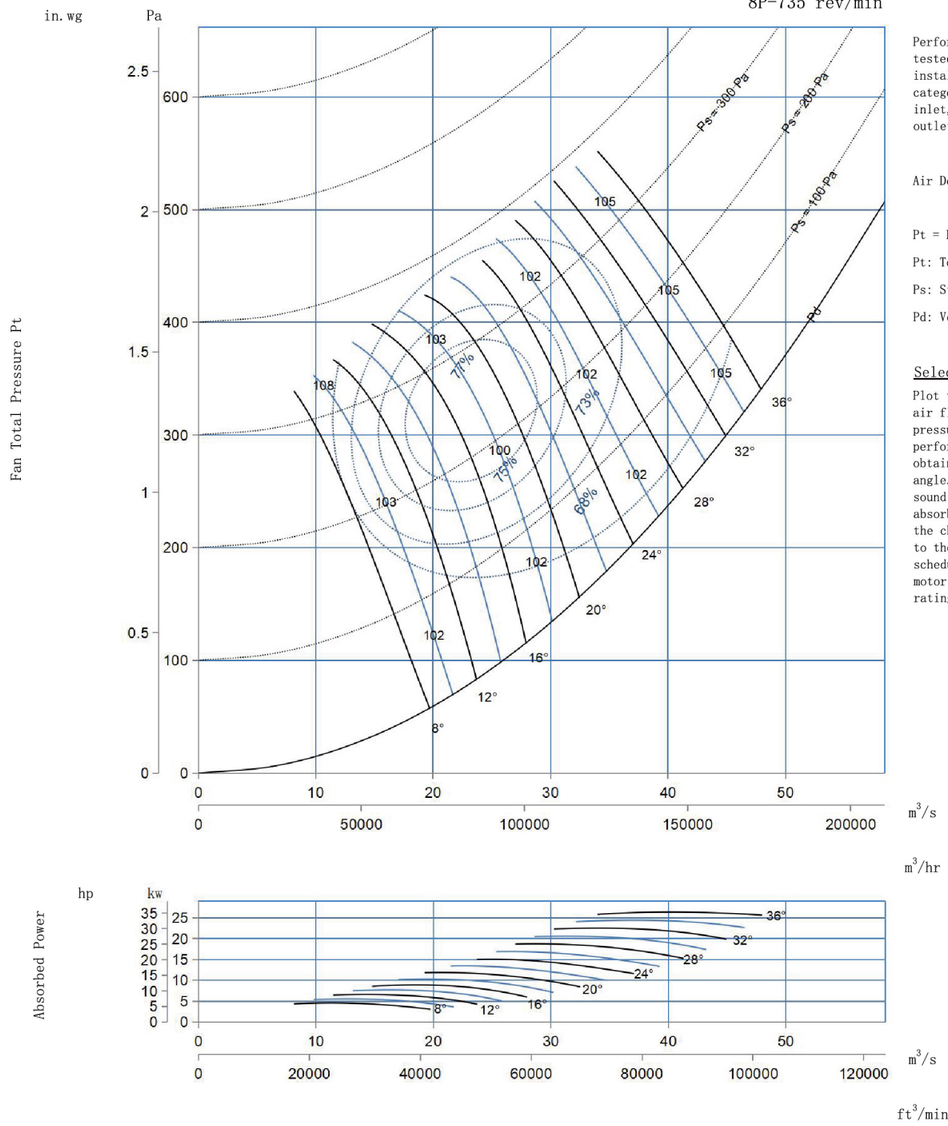
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№16-500/9

Performance Chart

8P-735 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	104	104	103	103	102	102	102	101	101	102	102	103	104	105	106
Inlet A-weighted Sound Pressure Level															
dBA@1m	92	91	91	90	90	89	89	89	88	89	90	91	91	92	93
dBA@2m	86	85	85	84	84	83	83	83	82	83	84	85	85	86	87
dBA@3m	82	81	81	80	80	79	79	79	78	79	80	81	81	82	83
Outlet A-weighted Sound Pressure Level															
dBA@1m	93	92	92	91	91	90	90	89	89	90	91	91	92	93	94
dBA@2m	87	86	86	85	85	84	84	83	83	84	85	85	86	87	88
dBA@3m	83	82	82	81	81	80	80	79	79	80	81	81	82	83	84

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1600 mm 50Hz

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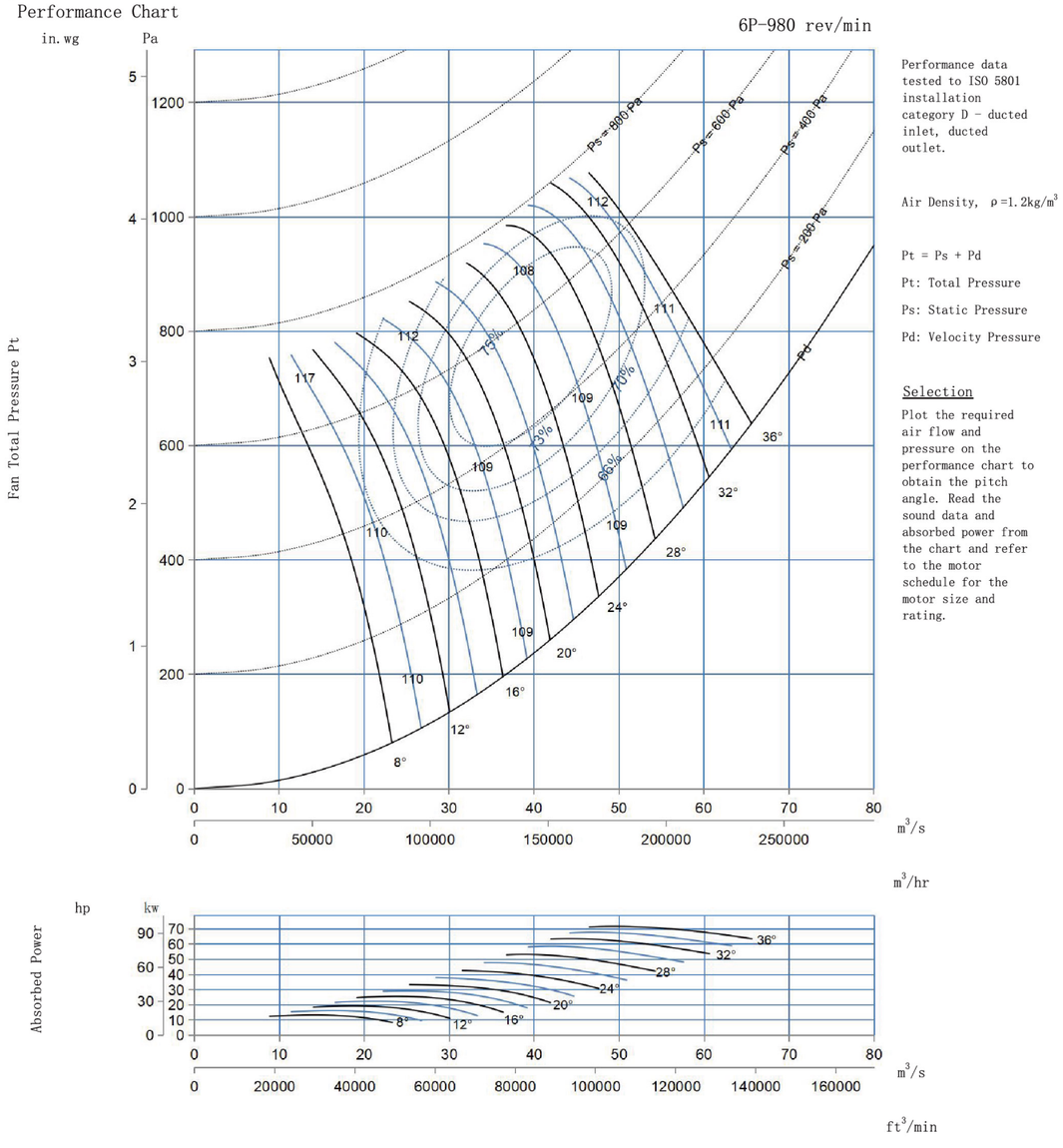
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№16-500/12

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	113	112	112	111	111	110	110	109	108	109	109	110	110	111	112
Inlet A-weighted Sound Pressure Level															
dBA@1m	101	101	100	100	99	98	98	97	97	97	98	98	99	99	100
dBA@2m	95	95	94	94	93	92	92	91	91	91	92	92	93	93	94
dBA@3m	91	91	90	90	89	88	88	87	87	87	88	88	89	89	90
Outlet A-weighted Sound Pressure Level															
dBA@1m	103	102	102	101	101	100	100	99	98	99	99	100	100	101	102
dBA@2m	97	96	96	95	95	94	94	93	92	93	93	94	94	95	96
dBA@3m	93	92	92	91	91	90	90	89	88	89	89	90	90	91	92

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

The "A"-weighting is an attempt to reflect the natural attention of sound and varies according to the distance of source to the listener and its environment.

Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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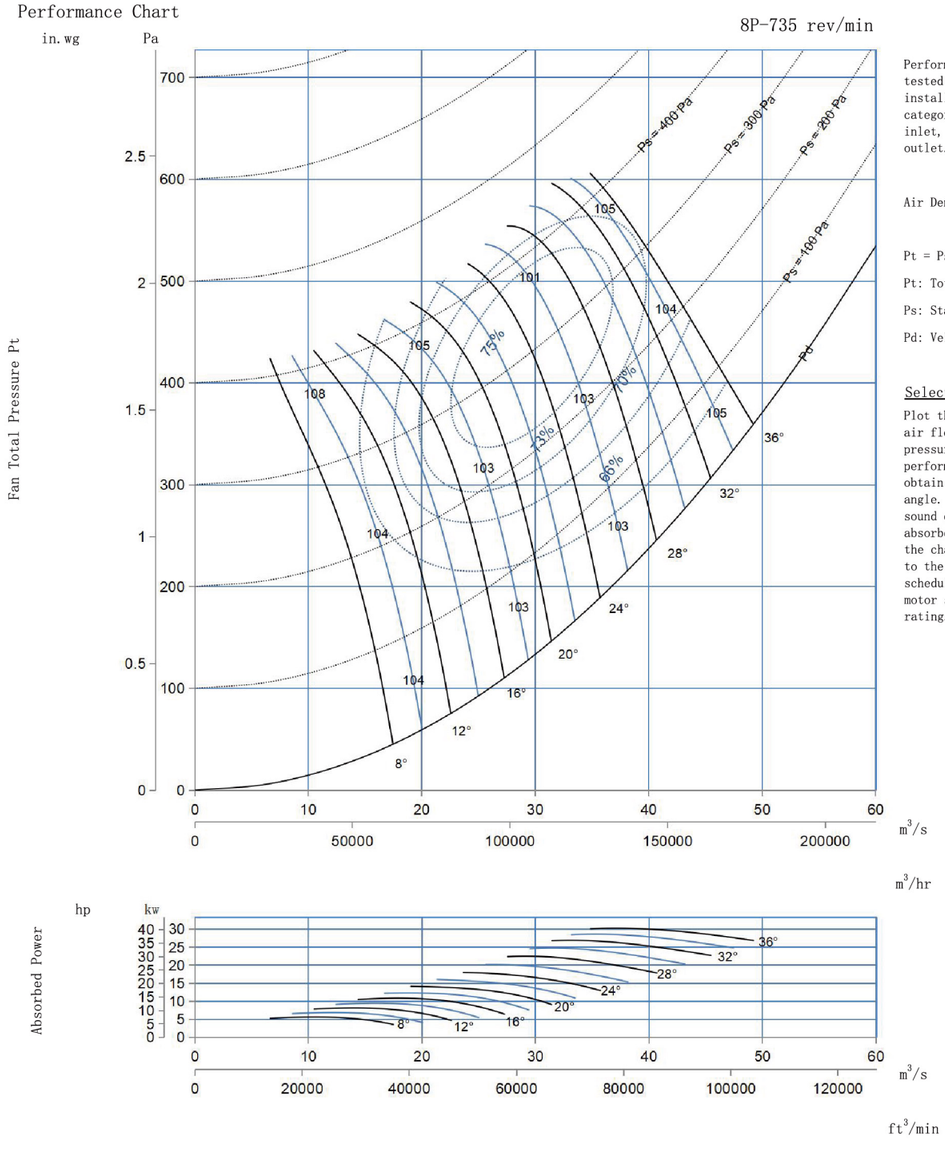
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№16-500/12

Performance Chart

8P-735 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	106	106	105	105	104	104	103	102	102	102	103	103	104	104	105
Inlet A-weighted Sound Pressure Level															
dBA@1m	95	94	94	93	93	92	91	91	90	90	91	91	92	93	93
dBA@2m	89	88	88	87	87	86	85	85	84	84	85	85	86	87	87
dBA@3m	85	84	84	83	83	82	81	81	80	80	81	81	82	83	83
Outlet A-weighted Sound Pressure Level															
dBA@1m	96	96	96	95	95	94	93	93	92	92	93	93	94	95	95
dBA@2m	90	90	90	89	89	88	87	87	86	86	87	87	88	89	89
dBA@3m	86	86	86	85	85	84	83	83	82	82	83	83	84	85	85

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1600 mm 50Hz
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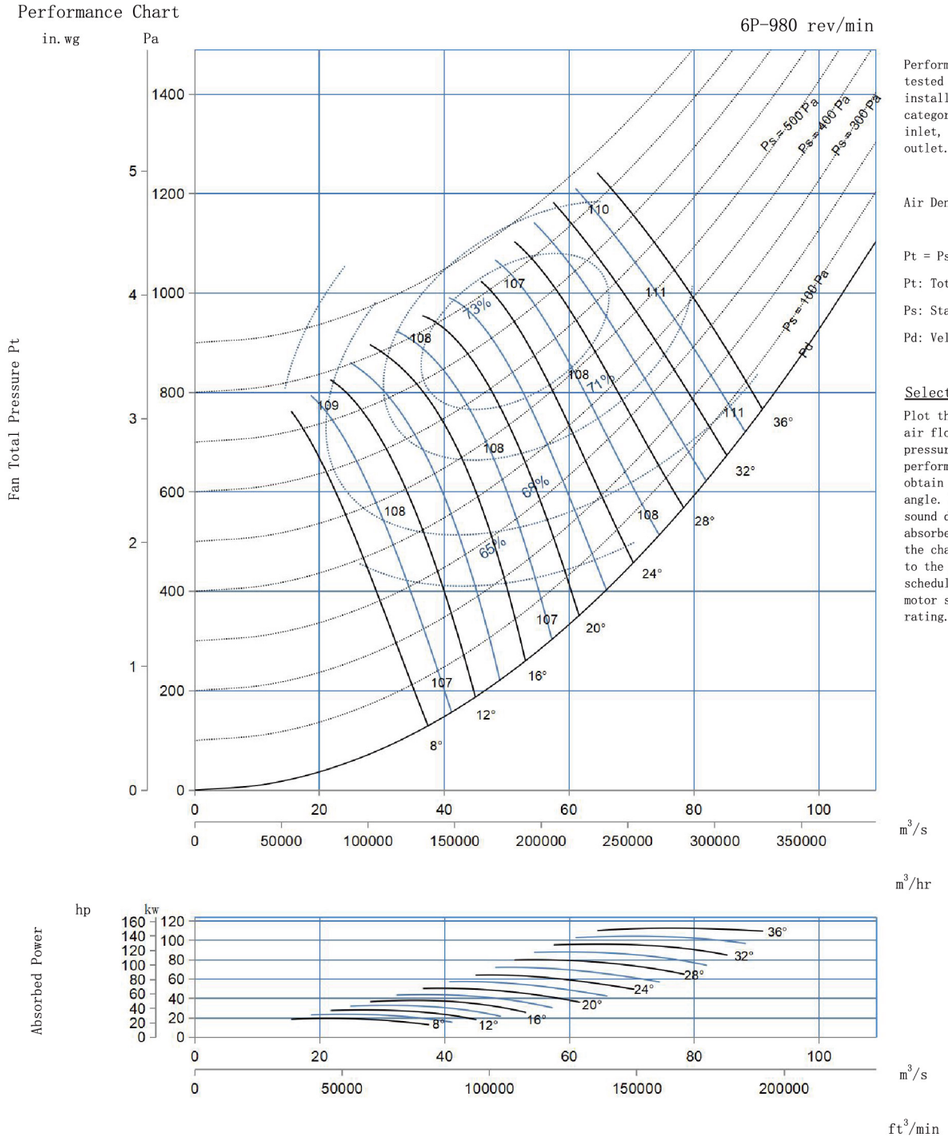
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№18-630/9

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	111	111	110	110	109	109	108	108	107	108	109	110	110	111	112
Inlet A-weighted Sound Pressure Level															
dBA@1m	96	96	95	95	94	94	93	93	92	93	94	94	95	96	97
dBA@2m	90	90	89	89	88	88	87	87	86	87	88	88	89	90	91
dBA@3m	86	86	85	85	84	84	83	83	82	83	84	84	85	86	87
Outlet A-weighted Sound Pressure Level															
dBA@1m	97	96	96	95	95	94	94	93	93	93	94	95	96	96	97
dBA@2m	91	90	90	89	89	88	88	87	87	87	88	89	90	90	91
dBA@3m	87	86	86	85	85	84	84	83	83	83	84	85	86	86	87

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

The "A"-weighting is an attempt to reflect the natural attention of sound and varies according to the distance of source to the listener and its environment.

Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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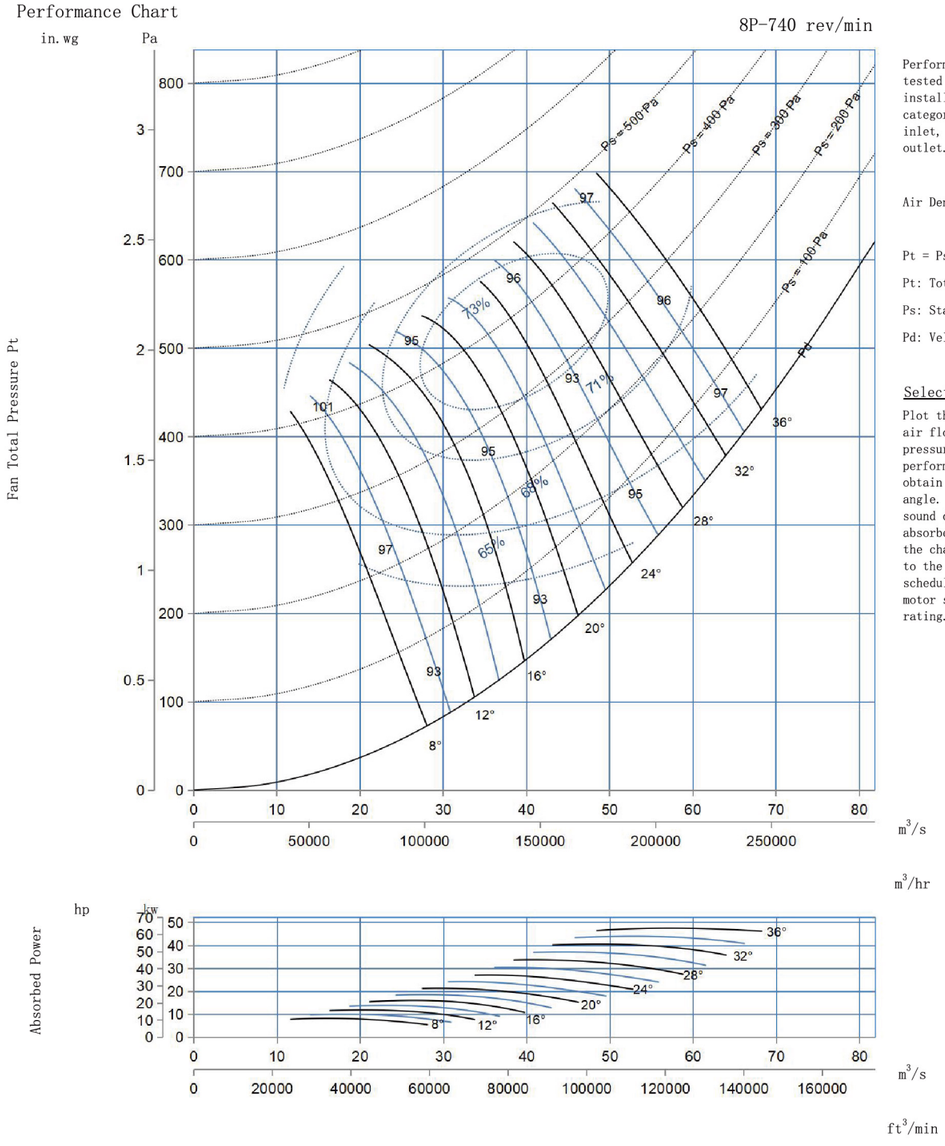
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№18-630/9

Performance Chart

8P-740 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	99	98	98	97	97	96	95	94	94	94	95	96	96	97	98
Inlet A-weighted Sound Pressure Level															
dBA@1m	84	83	83	82	82	81	80	79	79	79	80	81	81	82	83
dBA@2m	78	77	77	76	76	75	74	73	73	73	74	75	75	76	77
dBA@3m	74	73	73	72	72	71	70	69	69	69	70	71	71	72	73
Outlet A-weighted Sound Pressure Level															
dBA@1m	84	84	83	83	82	81	80	80	79	80	80	81	82	82	83
dBA@2m	78	78	77	77	76	75	74	74	73	74	74	75	76	76	77
dBA@3m	74	74	73	73	72	71	70	70	69	70	70	71	72	72	73

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1800 mm 50Hz

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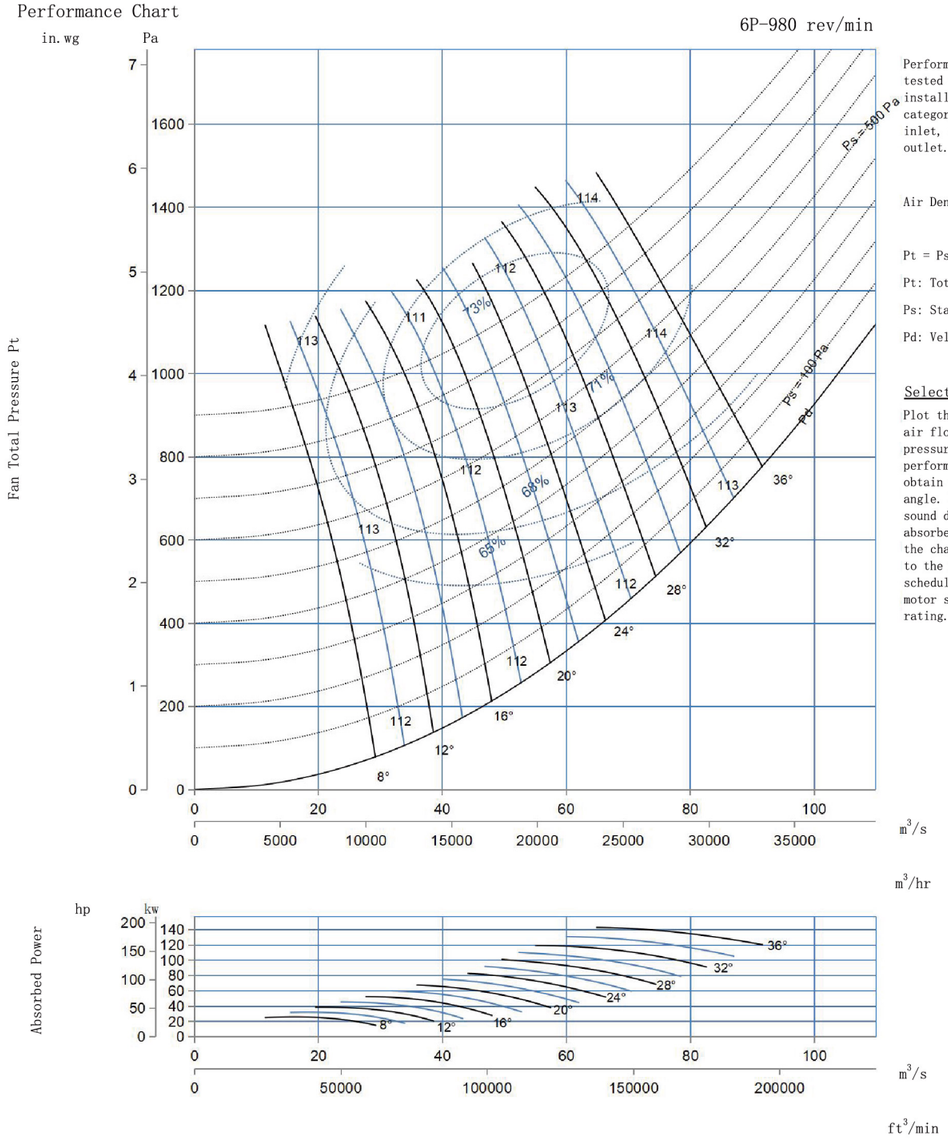
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№18-630/12

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	115	114	113	112	111	111	111	111	112	112	112	113	113	114	114
Inlet A-weighted Sound Pressure Level															
dBA@1m	100	99	98	97	96	96	96	96	96	97	97	98	98	99	99
dBA@2m	94	93	92	91	90	90	90	90	90	91	91	92	92	93	93
dBA@3m	90	89	88	87	86	86	86	86	86	87	87	88	88	89	89
Outlet A-weighted Sound Pressure Level															
dBA@1m	100	99	98	97	97	97	97	97	97	97	98	98	99	99	100
dBA@2m	94	93	92	91	91	91	91	91	91	91	92	92	93	93	94
dBA@3m	90	89	88	87	87	87	87	87	87	87	88	88	89	89	90

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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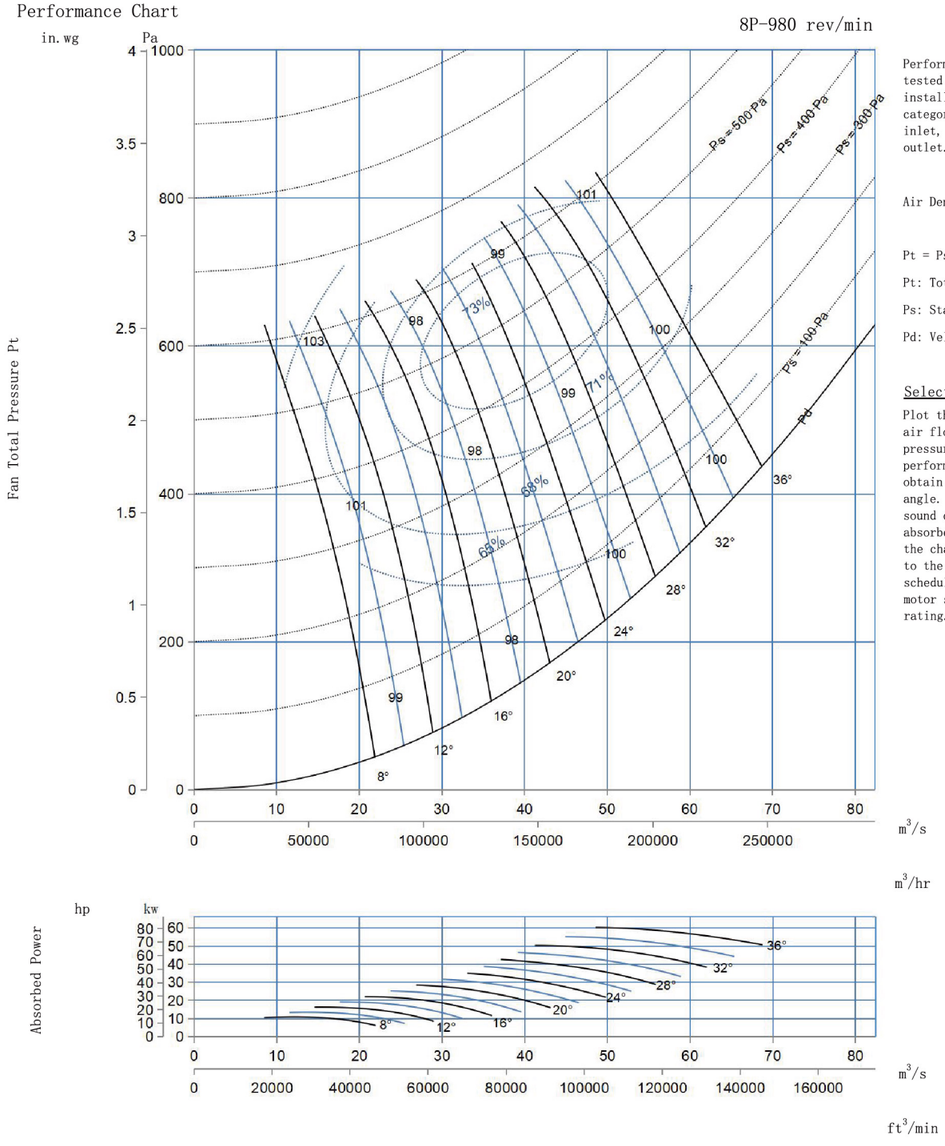
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№18-630/12

Performance Chart

8P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	104	103	102	100	99	99	99	98	98	99	99	99	100	100	100
Inlet A-weighted Sound Pressure Level															
dBA@1m	89	88	87	85	84	84	84	83	83	84	84	84	85	85	85
dBA@2m	83	82	81	79	78	78	78	77	77	78	78	78	79	79	79
dBA@3m	79	78	77	75	74	74	74	73	73	74	74	74	75	75	75
Outlet A-weighted Sound Pressure Level															
dBA@1m	90	88	87	86	85	84	84	84	84	84	84	85	85	85	86
dBA@2m	84	82	81	80	79	78	78	78	78	78	78	79	79	79	80
dBA@3m	80	78	77	76	75	74	74	74	74	74	74	75	75	75	76

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 1800 mm 50Hz

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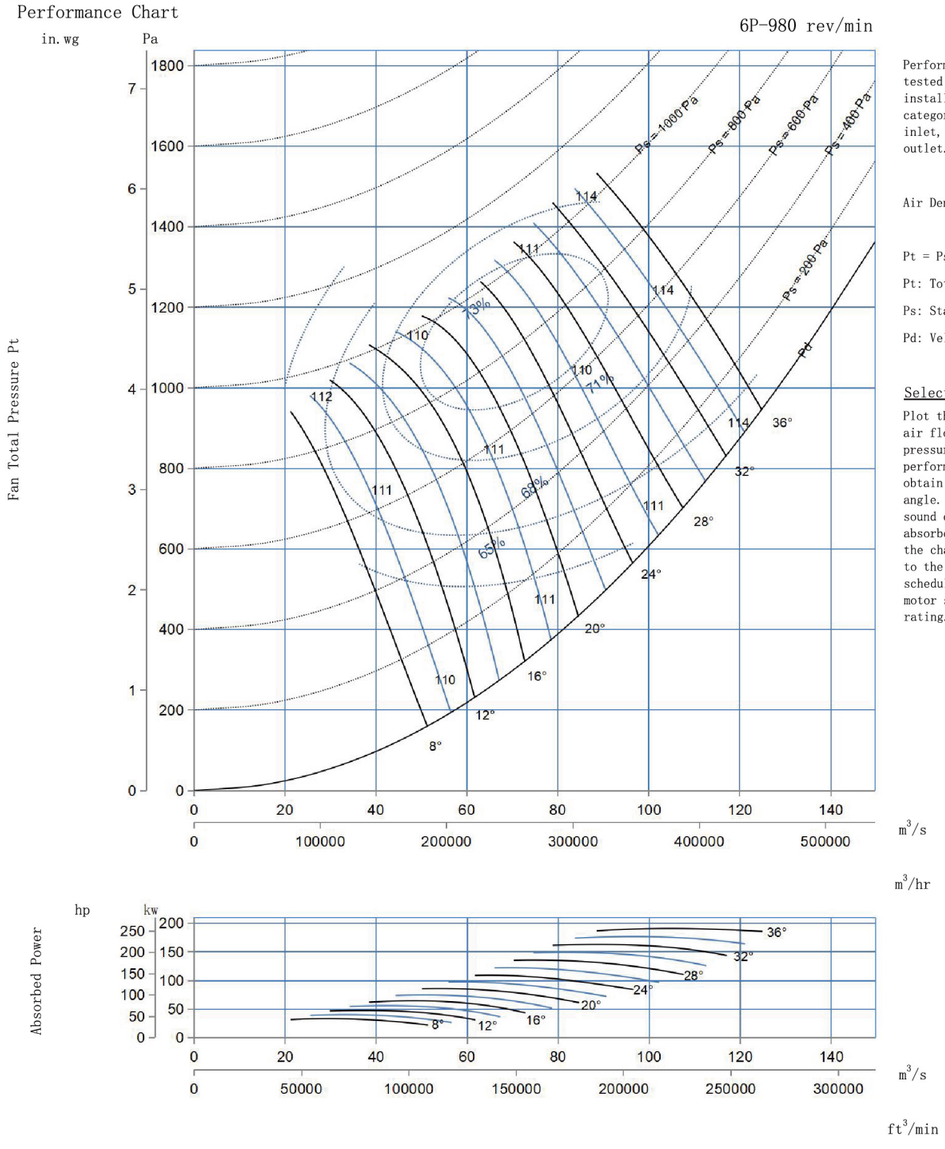
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№20-630/9

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	114	114	114	113	113	112	112	111	111	111	112	113	114	114	115
Inlet A-weighted Sound Pressure Level															
dBA@1m	99	99	98	98	98	97	96	96	96	96	97	98	98	99	100
dBA@2m	93	93	92	92	92	91	90	90	90	90	91	92	92	93	94
dBA@3m	89	89	88	88	88	87	86	86	86	86	87	88	88	89	90
Outlet A-weighted Sound Pressure Level															
dBA@1m	100	99	99	98	98	97	97	96	96	97	97	98	99	100	100
dBA@2m	94	93	93	92	92	91	91	90	90	91	91	92	93	94	94
dBA@3m	90	89	89	88	88	87	87	86	86	87	87	88	89	90	90

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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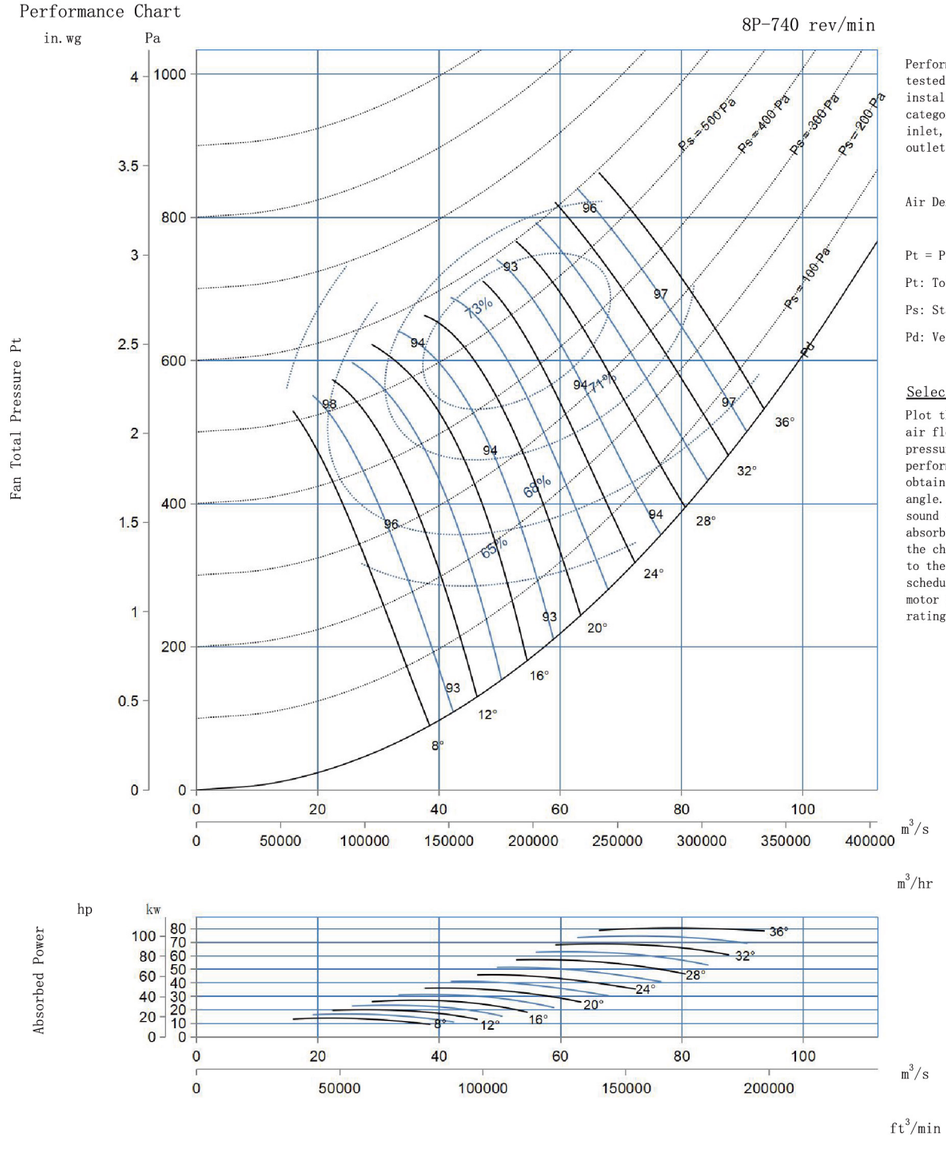
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№20-630/9

Performance Chart

8P-740 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	99	98	98	97	97	96	95	94	93	94	95	95	96	97	97
Inlet A-weighted Sound Pressure Level															
dBA@1m	84	83	83	82	82	81	80	79	78	79	80	80	81	82	82
dBA@2m	78	77	77	76	76	75	74	73	72	73	74	74	75	76	76
dBA@3m	74	73	73	72	72	71	70	69	68	69	70	70	71	72	72
Outlet A-weighted Sound Pressure Level															
dBA@1m	84	84	83	83	82	81	80	79	79	79	80	81	81	82	83
dBA@2m	78	78	77	77	76	75	74	73	73	73	74	75	75	76	77
dBA@3m	74	74	73	73	72	71	70	69	69	69	70	71	71	72	73

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

Cast Aluminium Impeller Aerofoil Section Blades NXT-17 2000 mm 50Hz

Nanfeng Corporation

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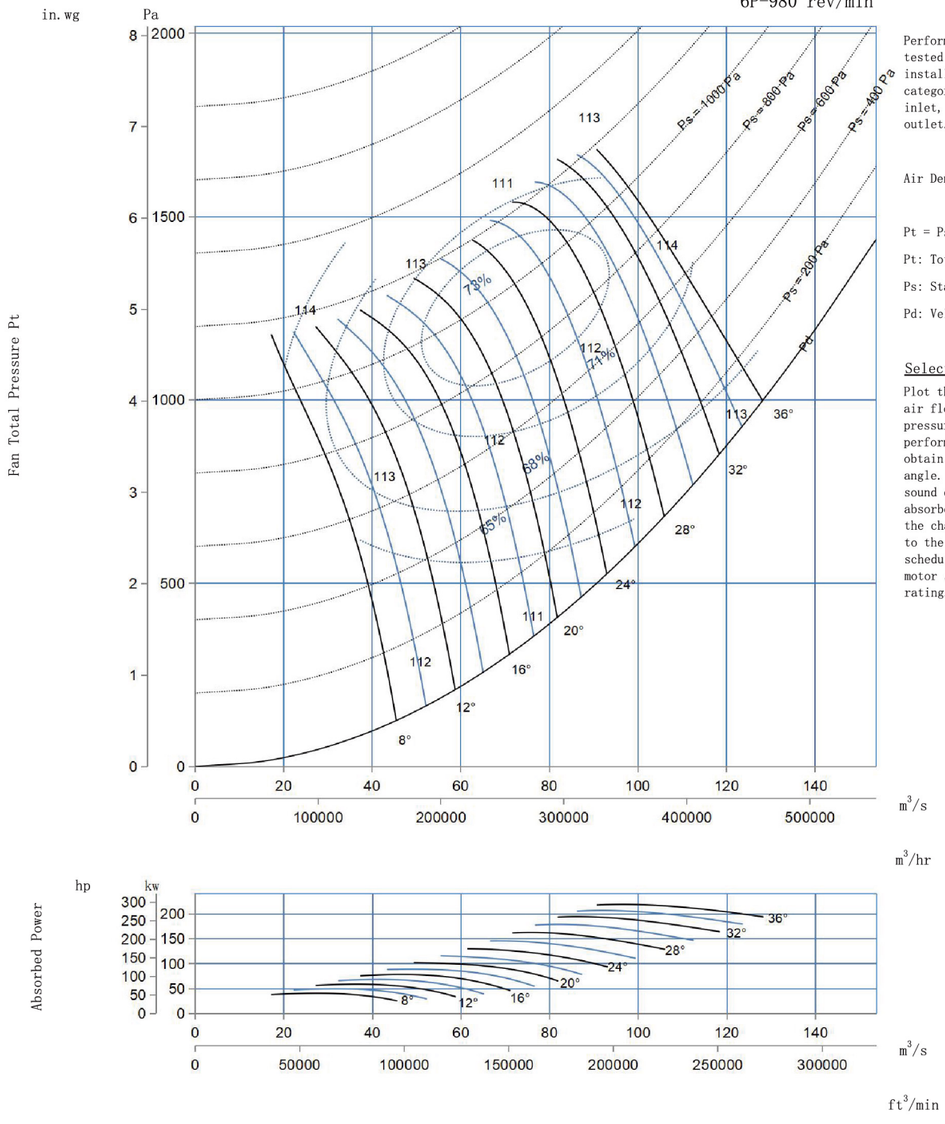
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№20-630/12

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	117	117	116	115	115	114	113	112	112	112	113	113	113	114	114
Inlet A-weighted Sound Pressure Level															
dBA@1m	102	102	101	100	100	99	98	97	97	97	97	98	98	99	99
dBA@2m	96	96	95	94	94	93	92	91	91	91	91	92	92	93	93
dBA@3m	92	92	91	90	90	89	88	87	87	87	87	88	88	89	89
Outlet A-weighted Sound Pressure Level															
dBA@1m	103	102	101	101	100	99	98	98	97	97	98	98	99	99	100
dBA@2m	97	96	95	95	94	93	92	92	91	91	92	92	93	93	94
dBA@3m	93	92	91	91	90	89	88	88	87	87	88	88	89	89	90

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

The "A"-weighting is an attempt to reflect the natural attention of sound and varies according to the distance of source to the listener and its environment.

Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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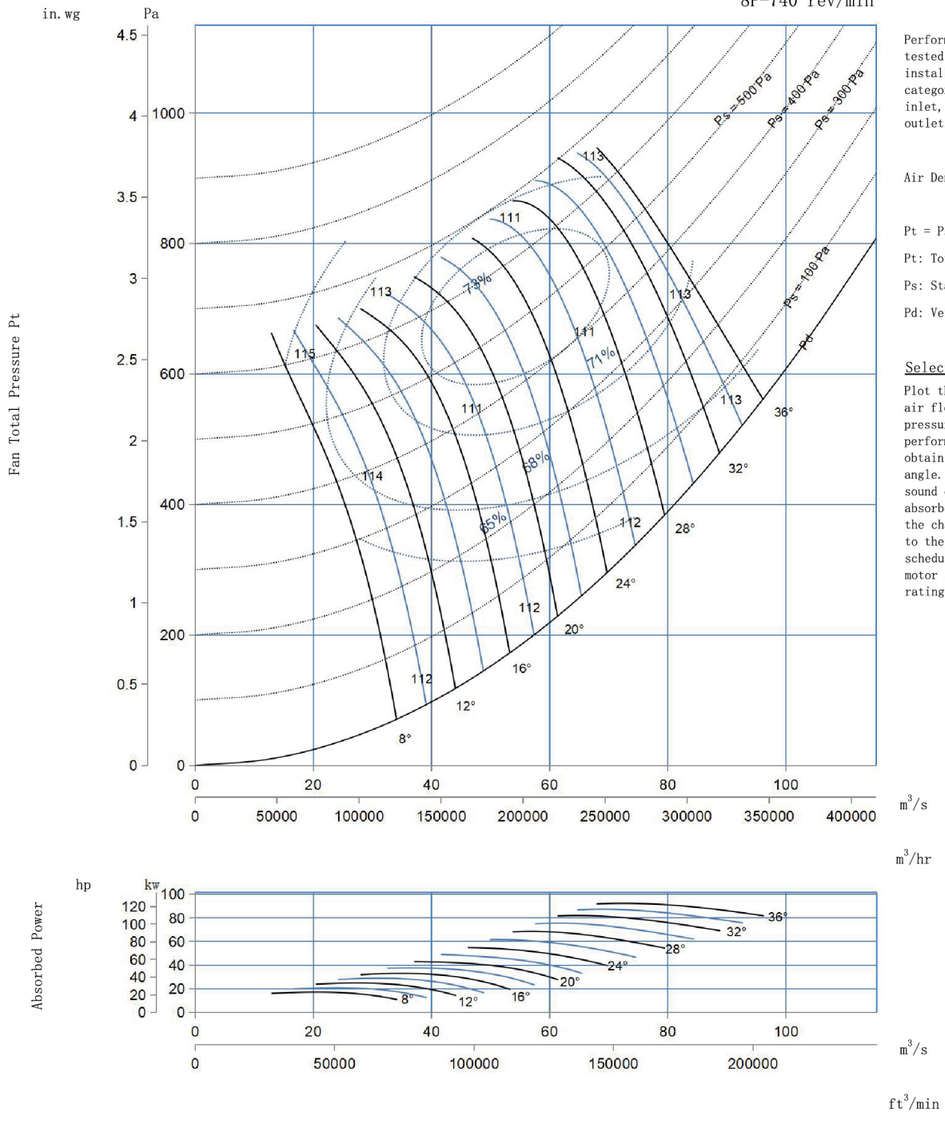
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№20-630/12

Performance Chart

8P-740 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	117	117	116	115	115	114	113	112	112	112	113	113	113	114	114
Inlet A-weighted Sound Pressure Level															
dBA@1m	102	102	101	100	100	99	98	97	97	97	97	98	98	99	99
dBA@2m	96	96	95	94	94	93	92	91	91	91	91	92	92	93	93
dBA@3m	92	92	91	90	90	89	88	87	87	87	87	88	88	89	89
Outlet A-weighted Sound Pressure Level															
dBA@1m	103	102	101	101	100	99	98	98	97	97	98	98	99	99	100
dBA@2m	97	96	95	95	94	93	92	92	91	91	92	92	93	93	94
dBA@3m	93	92	91	91	90	89	88	88	87	87	88	88	89	89	90

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

Cast Aluminium Impeller Aerofoil Section Blades NXT-17 2000 mm 50Hz

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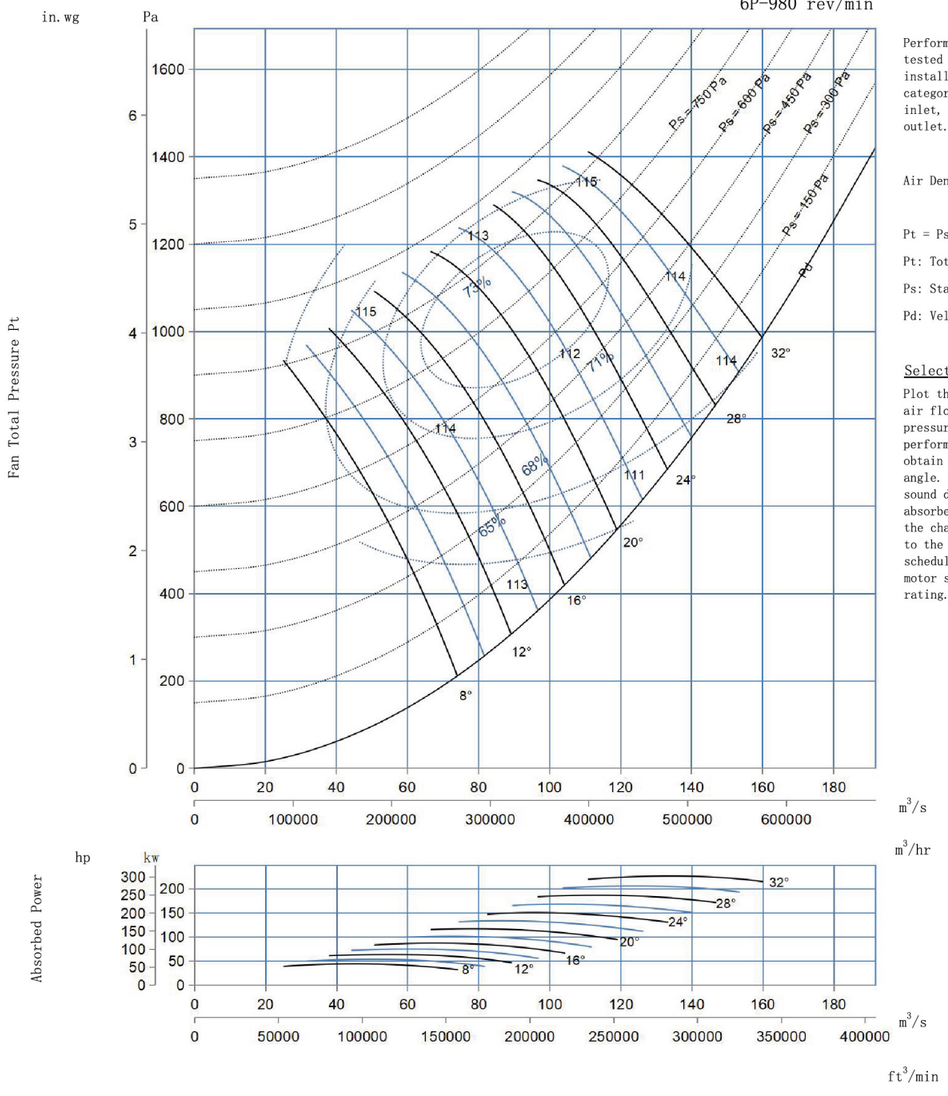
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№22.4-710/7

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	118	117	116	116	115	115	115	115	115	116	116	117	117	2	2
Inlet A-weighted Sound Pressure Level															
dBA@1m	103	102	101	101	100	100	100	100	100	101	101	102	102	-13	-13
dBA@2m	97	96	95	95	94	94	94	94	94	95	95	96	96	-19	-19
dBA@3m	93	92	91	91	90	90	90	90	90	91	91	92	92	-23	-23
Outlet A-weighted Sound Pressure Level															
dBA@1m	103	102	102	101	100	100	100	101	101	101	102	102	102	-13	-13
dBA@2m	97	96	96	95	94	94	94	95	95	95	96	96	96	-19	-19
dBA@3m	93	92	92	91	90	90	90	91	91	91	92	92	92	-23	-23

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

The "A"-weighting is an attempt to reflect the natural attention of sound and varies according to the distance of source to the listener and its environment.

Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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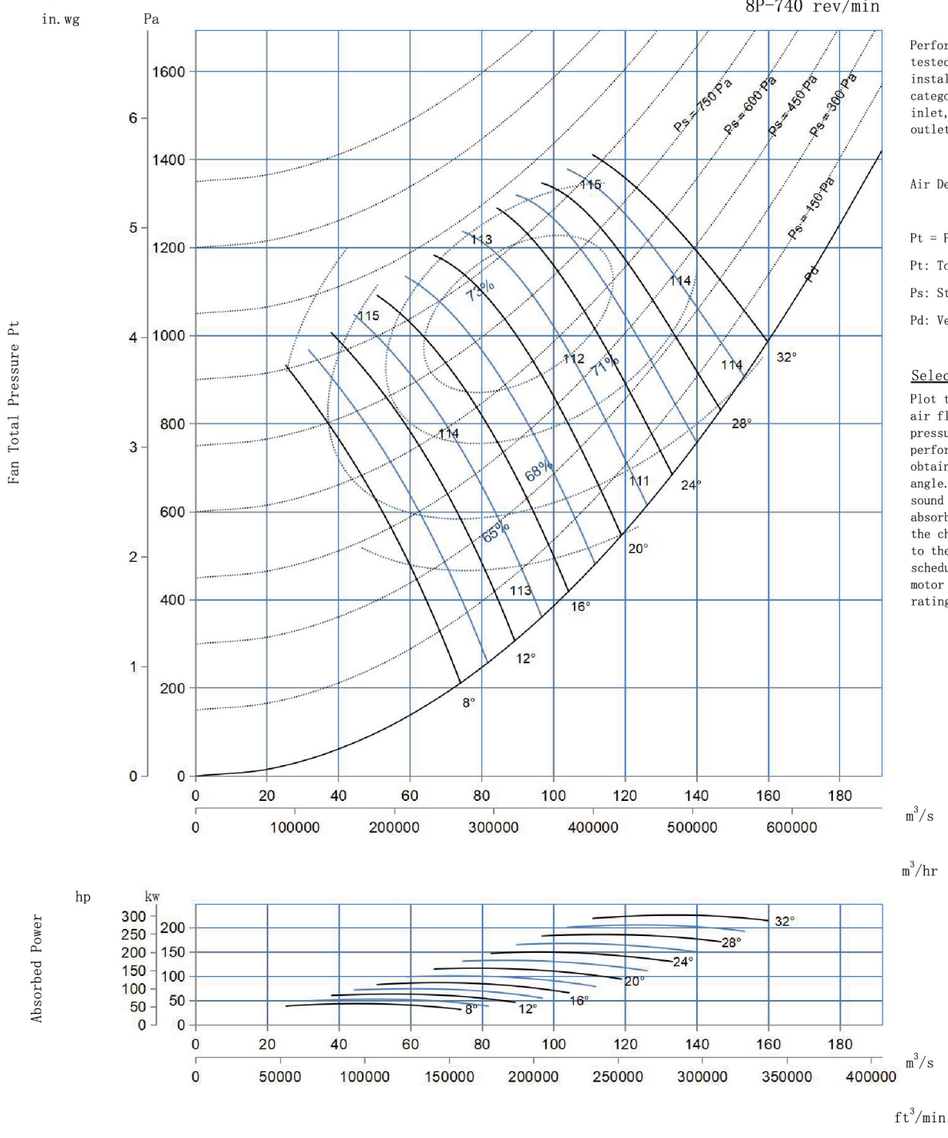
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№22.4-710/7

Performance Chart

8P-740 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	118	117	116	116	115	115	115	115	115	116	116	117	117	2	2
Inlet A-weighted Sound Pressure Level															
dBA@1m	103	102	101	101	100	100	100	100	100	101	101	102	102	-13	-13
dBA@2m	97	96	95	95	94	94	94	94	94	95	95	96	96	-19	-19
dBA@3m	93	92	91	91	90	90	90	90	90	91	91	92	92	-23	-23
Outlet A-weighted Sound Pressure Level															
dBA@1m	103	102	102	101	100	100	100	101	101	101	102	102	102	-13	-13
dBA@2m	97	96	96	95	94	94	94	95	95	95	96	96	96	-19	-19
dBA@3m	93	92	92	91	90	90	90	91	91	91	92	92	92	-23	-23

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 2240 mm 50Hz

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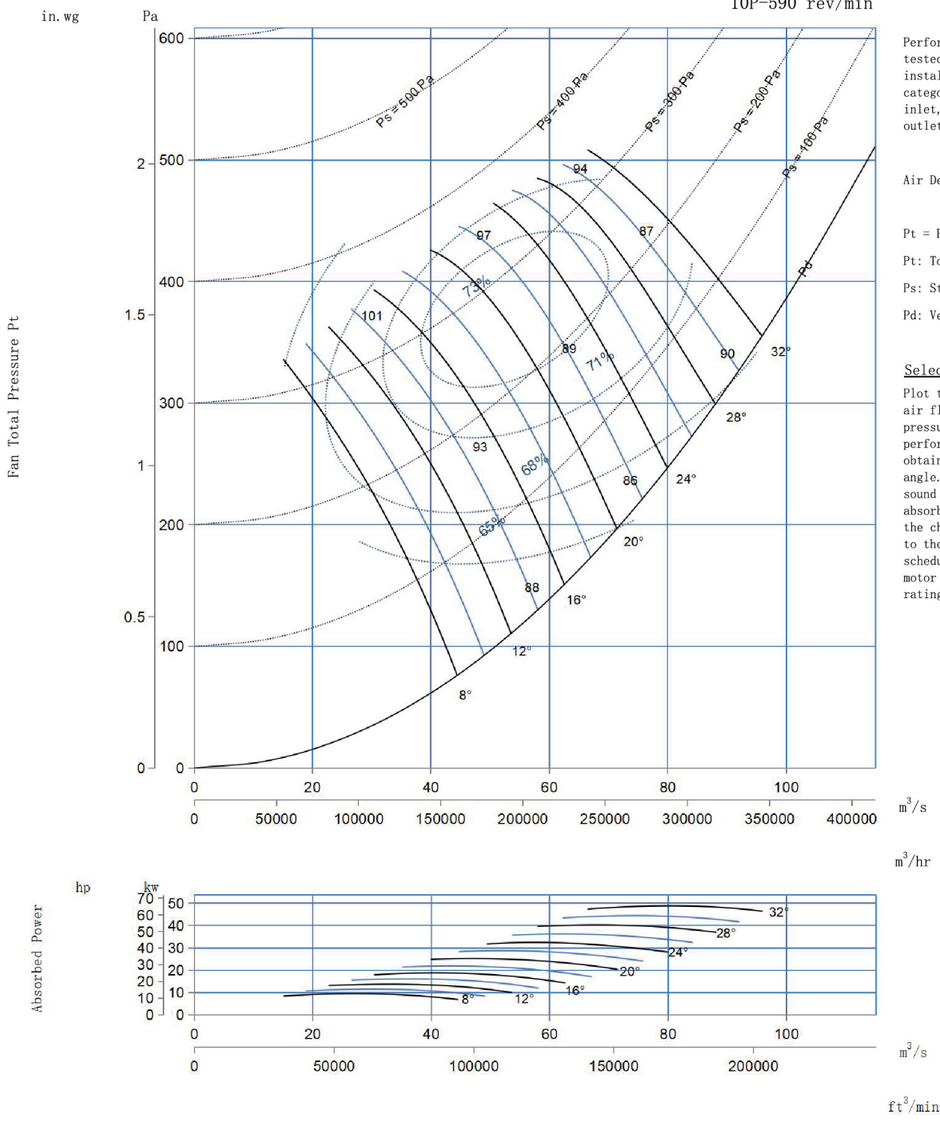
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№22.4-710/7

Performance Chart

10P-590 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	94	93	92	91	90	90	90	90	90	90	90	91	91	2	2
Inlet A-weighted Sound Pressure Level															
dBA@1m	79	78	77	76	75	75	75	75	74	75	75	75	76	-13	-13
dBA@2m	73	72	71	70	69	69	69	69	68	69	69	69	70	-19	-19
dBA@3m	69	68	67	66	65	65	65	65	64	65	65	65	66	-23	-23
Outlet A-weighted Sound Pressure Level															
dBA@1m	79	78	77	76	75	75	75	75	75	75	75	76	76	-12	-12
dBA@2m	73	72	71	70	69	69	69	69	69	69	69	70	70	-18	-18
dBA@3m	69	68	67	66	65	65	65	65	65	65	65	66	66	-22	-22

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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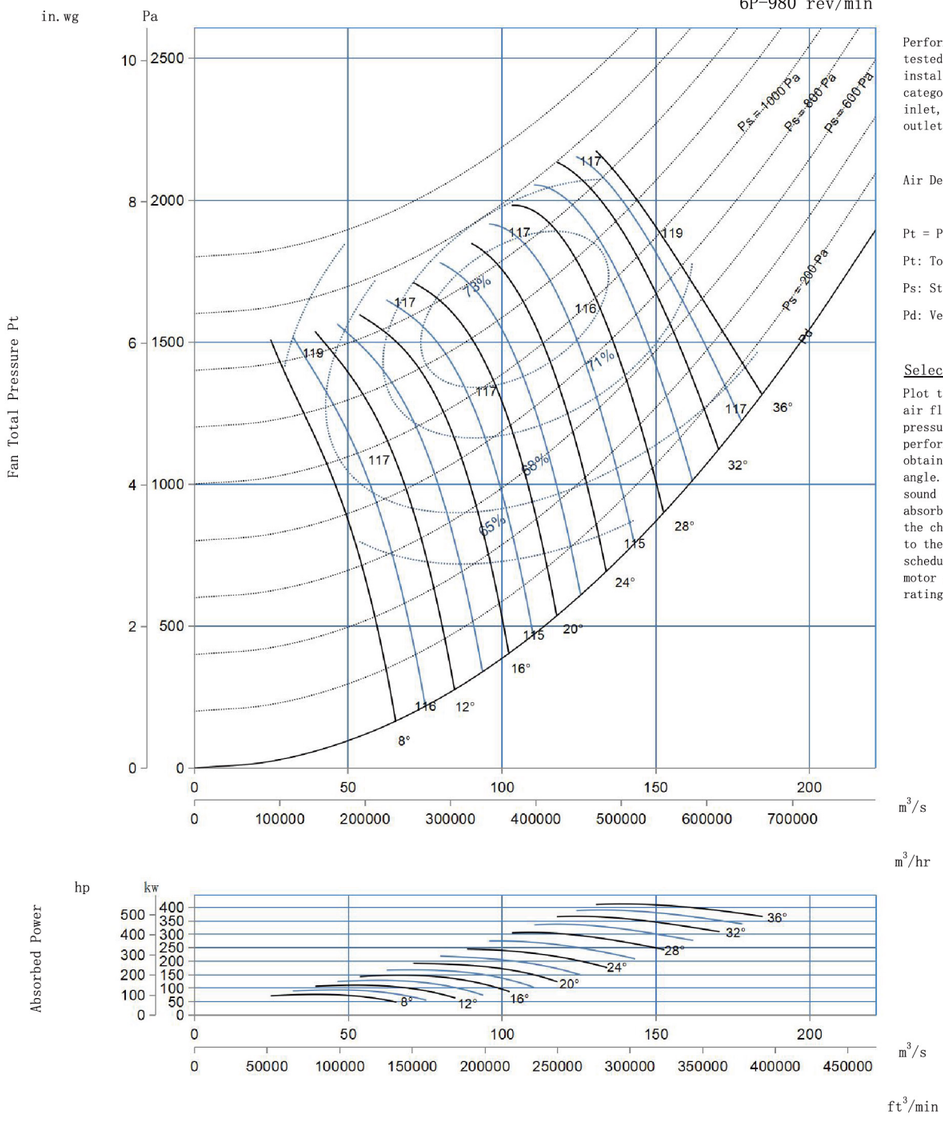
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№22.4-710/14

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	123	122	121	120	120	119	118	117	116	117	117	118	118	118	119
Inlet A-weighted Sound Pressure Level															
dBA@1m	108	107	106	105	105	104	103	102	101	102	102	102	103	103	104
dBA@2m	102	101	100	99	99	98	97	96	95	96	96	96	97	97	98
dBA@3m	98	97	96	95	95	94	93	92	91	92	92	92	93	93	94
Outlet A-weighted Sound Pressure Level															
dBA@1m	108	107	107	106	105	104	103	103	102	102	103	103	103	104	104
dBA@2m	102	101	101	100	99	98	97	97	96	96	97	97	97	98	98
dBA@3m	98	97	97	96	95	94	93	93	92	92	93	93	93	94	94

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

Cast Aluminium Impeller Aerofoil Section Blades NXT-17 2240 mm 50Hz

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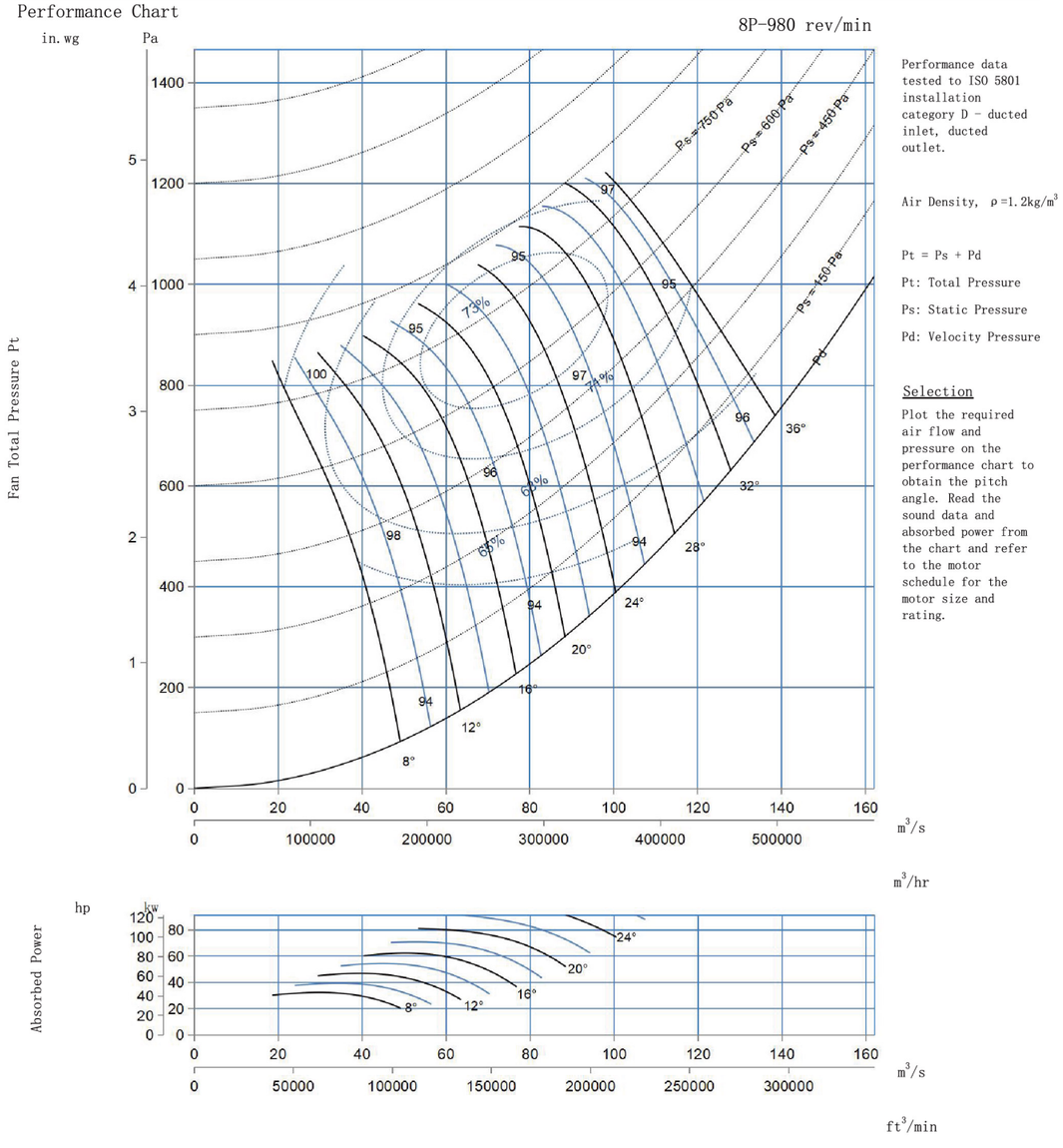
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№22.4-710/14

Performance Chart

8P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	105	103	102	101	100	99	98	97	96	96	96	96	97	97	97
Inlet A-weighted Sound Pressure Level															
dBA@1m	90	88	87	86	85	84	83	82	81	81	81	81	82	82	82
dBA@2m	84	82	81	80	79	78	77	76	75	75	75	75	76	76	76
dBA@3m	80	78	77	76	75	74	73	72	71	71	71	71	72	72	72
Outlet A-weighted Sound Pressure Level															
dBA@1m	90	89	87	86	85	84	83	82	81	81	81	82	82	82	82
dBA@2m	84	83	81	80	79	78	77	76	75	75	75	76	76	76	76
dBA@3m	80	79	77	76	75	74	73	72	71	71	71	72	72	72	72

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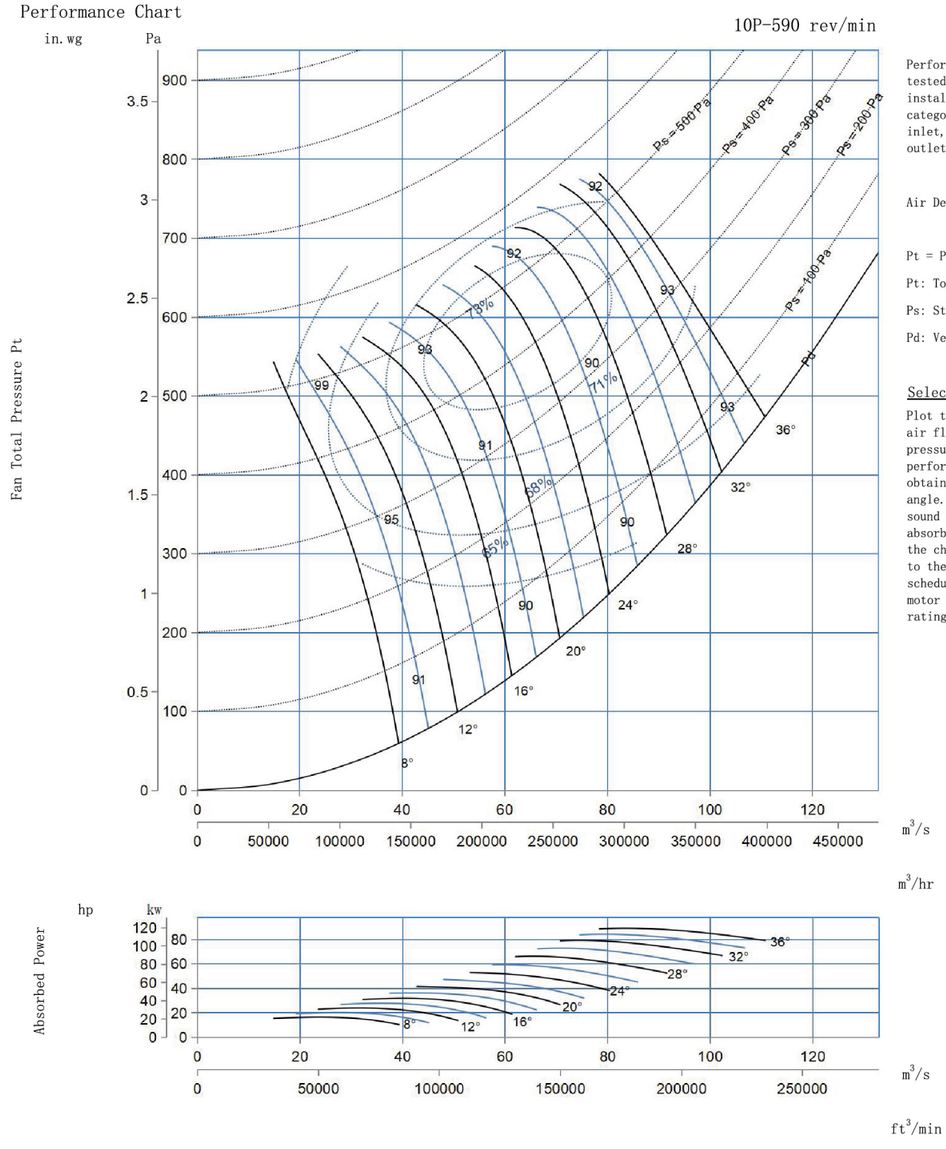
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№22.4-710/14

Performance Chart

10P-590 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data

Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	101	100	99	97	96	95	94	93	92	92	92	92	92	92	93
Inlet A-weighted Sound Pressure Level															
dBA@1m	86	85	84	82	81	80	79	78	77	77	77	77	77	77	78
dBA@2m	80	79	78	76	75	74	73	72	71	71	71	71	71	71	72
dBA@3m	76	75	74	72	71	70	69	68	67	67	67	67	67	67	68
Outlet A-weighted Sound Pressure Level															
dBA@1m	87	85	84	83	82	80	79	78	77	77	77	78	78	78	78
dBA@2m	81	79	78	77	76	74	73	72	71	71	71	72	72	72	72
dBA@3m	77	75	74	73	72	70	69	68	67	67	67	68	68	68	68

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

Cast Aluminium Impeller Aerofoil Section Blades NXT-17 2240 mm 50Hz
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Quality System Certified
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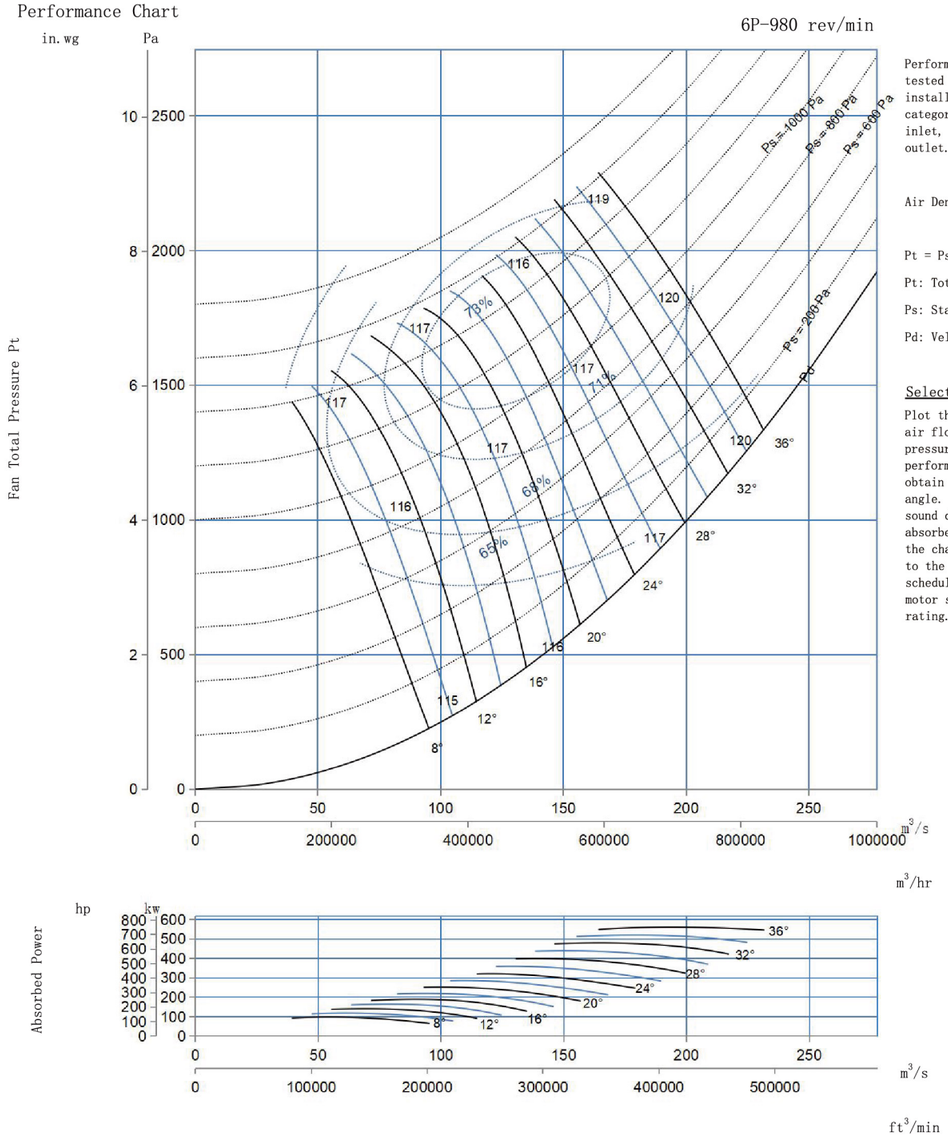
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№25-800/8

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	120	120	119	119	119	118	117	117	116	117	118	119	119	120	121
Inlet A-weighted Sound Pressure Level															
dBA@1m	105	105	104	104	104	103	102	102	101	102	103	104	104	105	106
dBA@2m	99	99	98	98	98	97	96	96	95	96	97	98	98	99	100
dBA@3m	95	95	94	94	94	93	92	92	91	92	93	94	94	95	96
Outlet A-weighted Sound Pressure Level															
dBA@1m	106	105	105	104	104	103	103	102	102	102	103	104	105	105	106
dBA@2m	100	99	99	98	98	97	97	96	96	96	97	98	99	99	100
dBA@3m	96	95	95	94	94	93	93	92	92	92	93	94	95	95	96

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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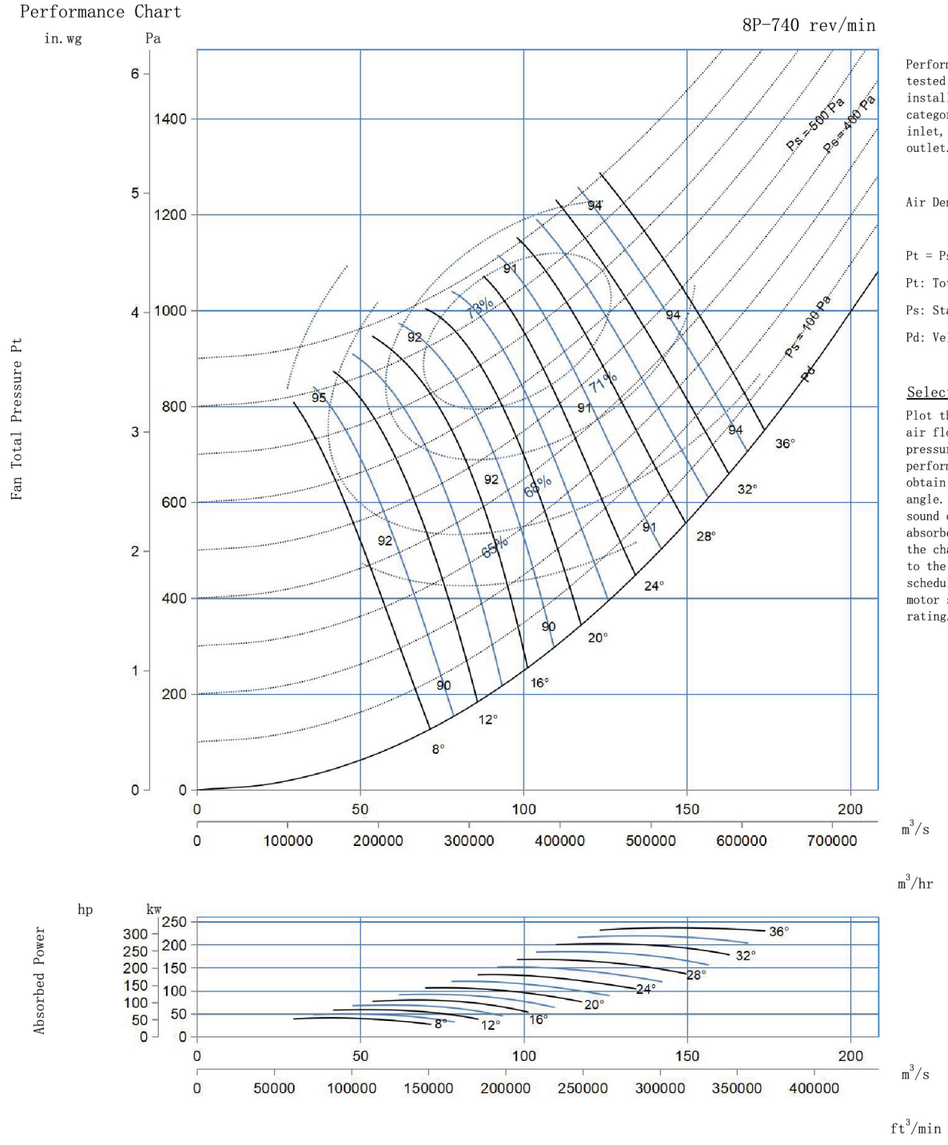
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№25-800/8

Performance Chart

8P-740 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	98	98	97	97	96	95	94	93	92	93	93	94	95	95	96
Inlet A-weighted Sound Pressure Level															
dBA@1m	83	83	82	82	81	80	79	78	77	77	78	79	79	80	81
dBA@2m	77	77	76	76	75	74	73	72	71	71	72	73	73	74	75
dBA@3m	73	73	72	72	71	70	69	68	67	67	68	69	69	70	71
Outlet A-weighted Sound Pressure Level															
dBA@1m	83	83	83	82	81	80	79	78	77	78	78	79	80	81	81
dBA@2m	77	77	77	76	75	74	73	72	71	72	72	73	74	75	75
dBA@3m	73	73	73	72	71	70	69	68	67	68	68	69	70	71	71

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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Cast Aluminium Impeller Aerofoil Section Blades NXT-17 2500 mm 50Hz

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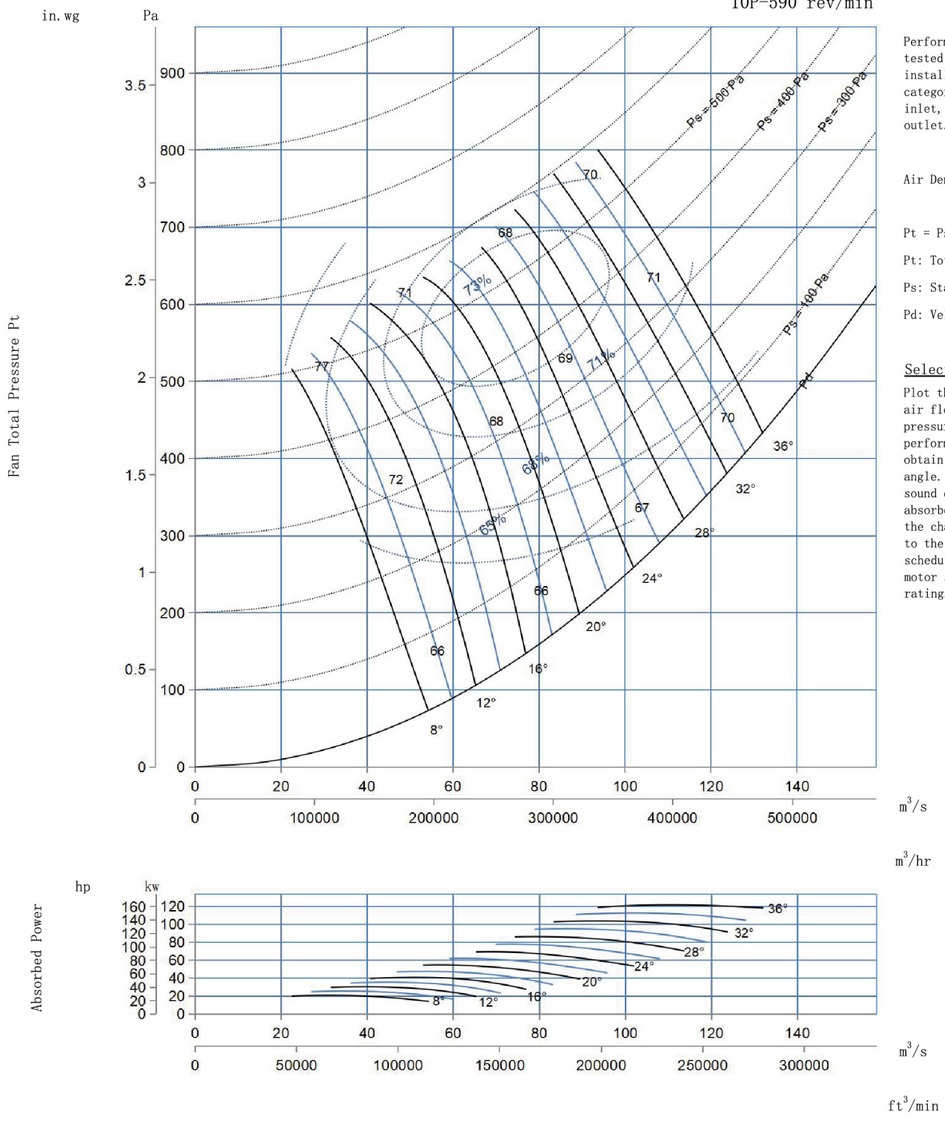
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№25-800/8

Performance Chart

10P-590 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	77	76	76	75	74	72	71	69	68	68	69	70	70	71	71
Inlet A-weighted Sound Pressure Level															
dBA@1m	62	61	61	60	59	57	56	54	53	53	54	54	55	56	56
dBA@2m	56	55	55	54	53	51	50	48	47	47	48	48	49	50	50
dBA@3m	52	51	51	50	49	47	46	44	43	43	44	44	45	46	46
Outlet A-weighted Sound Pressure Level															
dBA@1m	62	61	61	60	59	58	56	55	53	54	54	55	55	56	57
dBA@2m	56	55	55	54	53	52	50	49	47	48	48	49	49	50	51
dBA@3m	52	51	51	50	49	48	46	45	43	44	44	45	45	46	47

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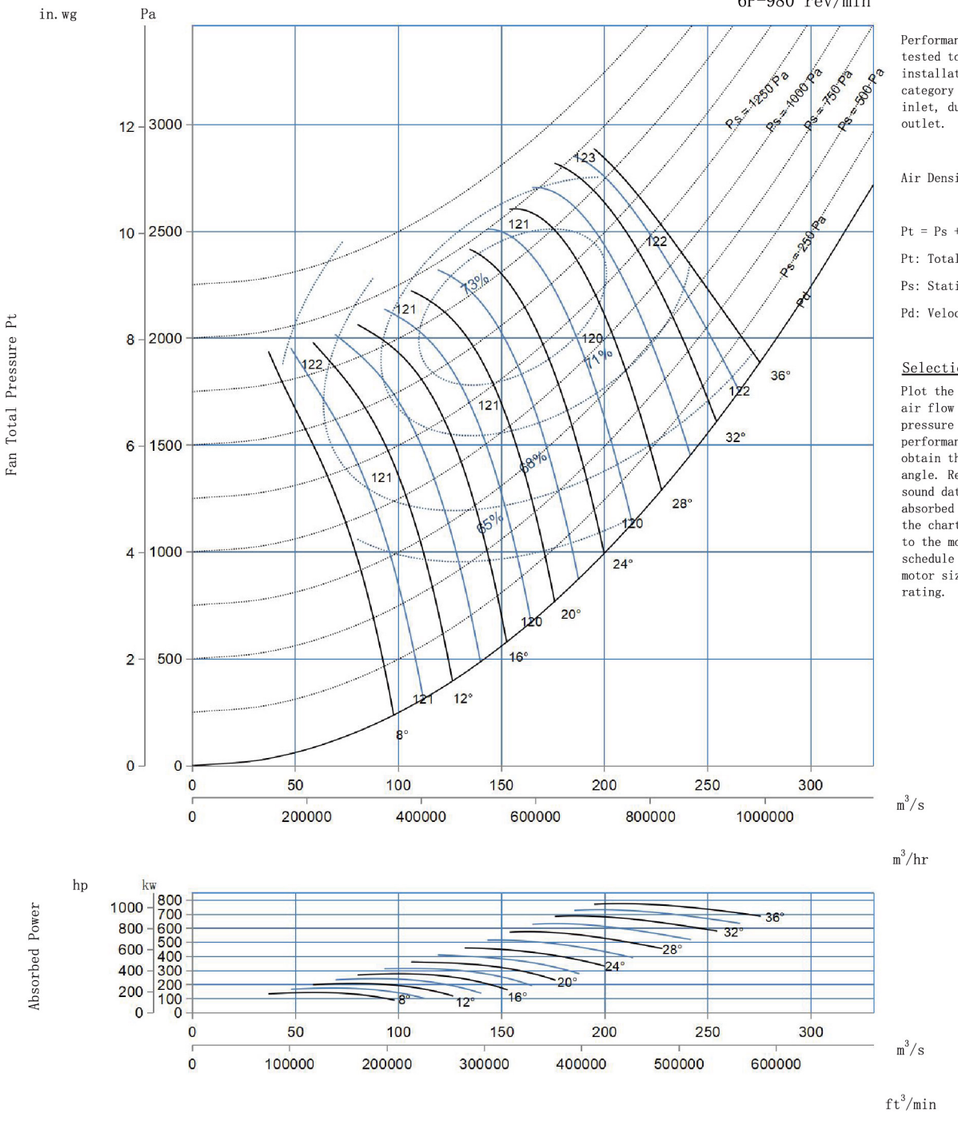
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№25-800/16

Performance Chart

6P-980 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	126	125	124	124	123	122	122	121	120	121	121	122	122	122	123
Inlet A-weighted Sound Pressure Level															
dBA@1m	111	110	109	109	108	107	106	106	105	106	106	106	107	107	108
dBA@2m	105	104	103	103	102	101	100	100	99	100	100	100	101	101	102
dBA@3m	101	100	99	99	98	97	96	96	95	96	96	96	97	97	98
Outlet A-weighted Sound Pressure Level															
dBA@1m	111	110	110	109	108	108	107	106	105	106	106	107	107	108	108
dBA@2m	105	104	104	103	102	102	101	100	99	100	100	101	101	102	102
dBA@3m	101	100	100	99	98	98	97	96	95	96	96	97	97	98	98

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

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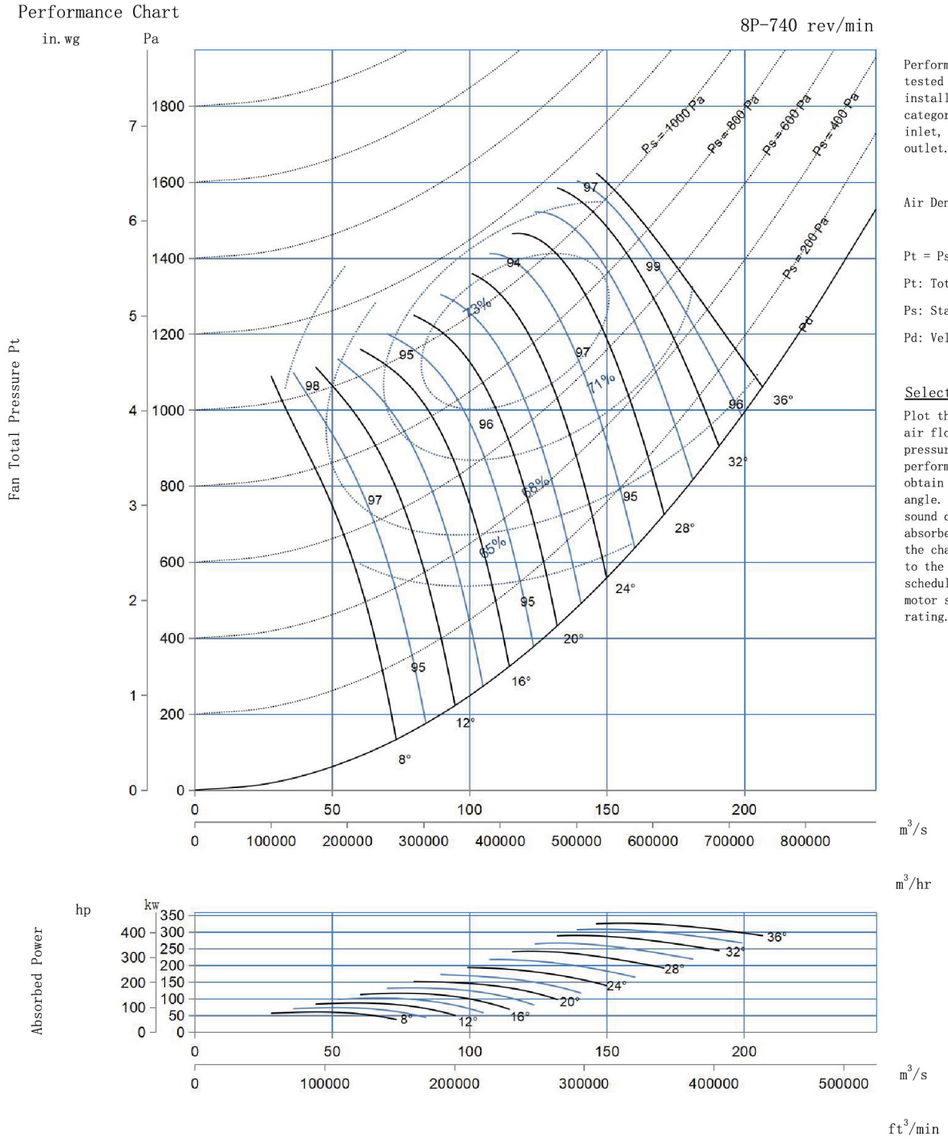
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№25-800/16

Performance Chart

8P-740 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	105	104	103	102	101	100	98	97	96	97	97	97	97	98	98
Inlet A-weighted Sound Pressure Level															
dBA@1m	90	89	88	87	86	85	83	82	81	82	82	82	82	83	83
dBA@2m	84	83	82	81	80	79	77	76	75	76	76	76	76	77	77
dBA@3m	80	79	78	77	76	75	73	72	71	72	72	72	72	73	73
Outlet A-weighted Sound Pressure Level															
dBA@1m	91	89	88	87	86	85	84	83	82	82	82	83	83	83	83
dBA@2m	85	83	82	81	80	79	78	77	76	76	76	77	77	77	77
dBA@3m	81	79	78	77	76	75	74	73	72	72	72	73	73	73	73

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

The "A"-weighting is an attempt to reflect the natural attention of sound and varies according to the distance of source to the listener and its environment.

Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

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Quality System Certified
ISO9001 GB/T19001
Design, Manufacture & Service of Ventilator

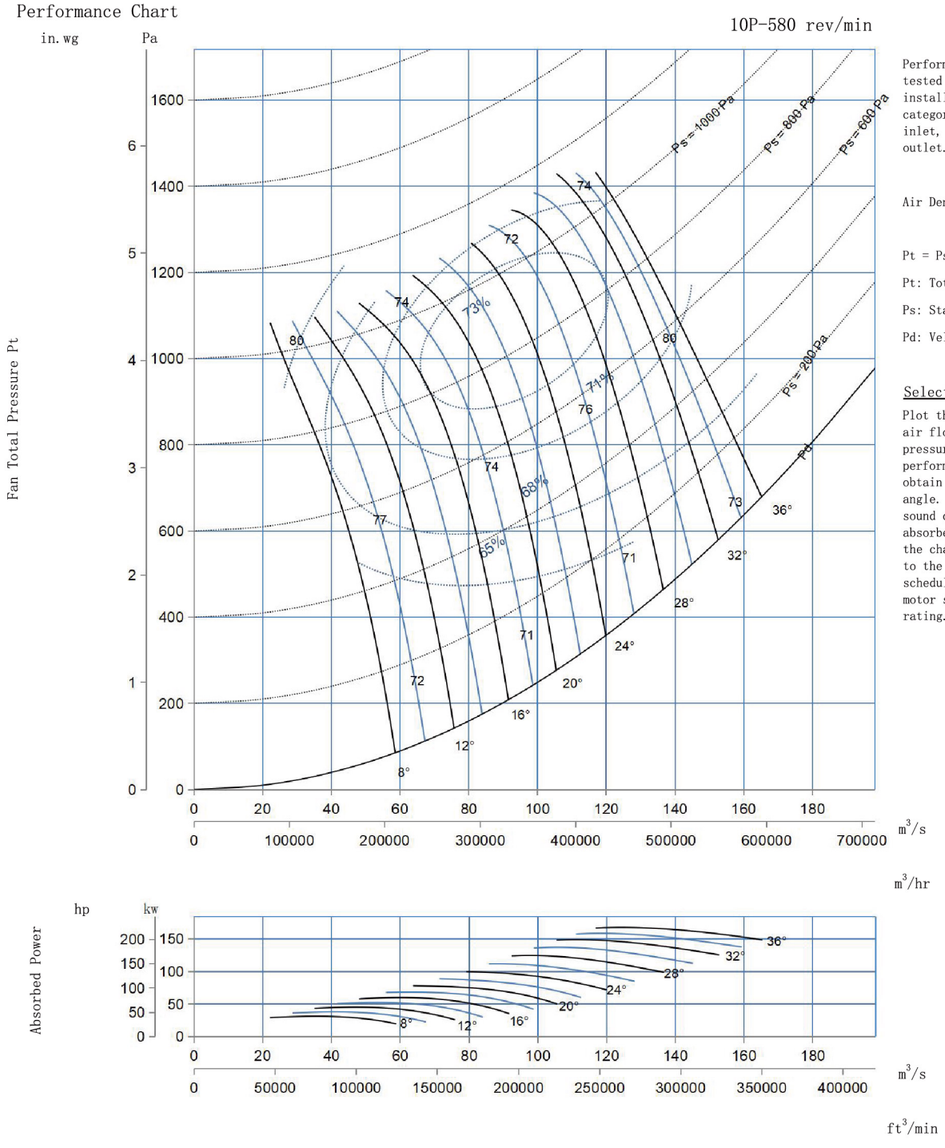
AEROFOIL AXIAL

Adjustable Pitch

Product Code: NXT-17№25-800/16

Performance Chart

10P-580 rev/min



Performance data tested to ISO 5801 installation category D - ducted inlet, ducted outlet.

Air Density, ρ=1.2kg/m³

Pt = Ps + Pd

Pt: Total Pressure

Ps: Static Pressure

Pd: Velocity Pressure

Selection

Plot the required air flow and pressure on the performance chart to obtain the pitch angle. Read the sound data and absorbed power from the chart and refer to the motor schedule for the motor size and rating.

Sound Data															
Pitch	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°
Sound Power Level															
dB	92	90	88	86	84	82	81	79	77	77	77	77	77	76	76
Inlet A-weighted Sound Pressure Level															
dBA@1m	77	75	73	71	69	67	66	64	62	62	62	62	61	61	61
dBA@2m	71	69	67	65	63	61	60	58	56	56	56	56	55	55	55
dBA@3m	67	65	63	61	59	57	56	54	52	52	52	52	51	51	51
Outlet A-weighted Sound Pressure Level															
dBA@1m	78	75	73	71	69	68	66	64	63	63	62	62	62	62	62
dBA@2m	72	69	67	65	63	62	60	58	57	57	56	56	56	56	56
dBA@3m	68	65	63	61	59	58	56	54	53	53	52	52	52	52	52

Sound power levels are expressed in decibels with a reference level of 1 picoWatt. The sound power level of a source remains the same regardless the environment and the distance to the listener.

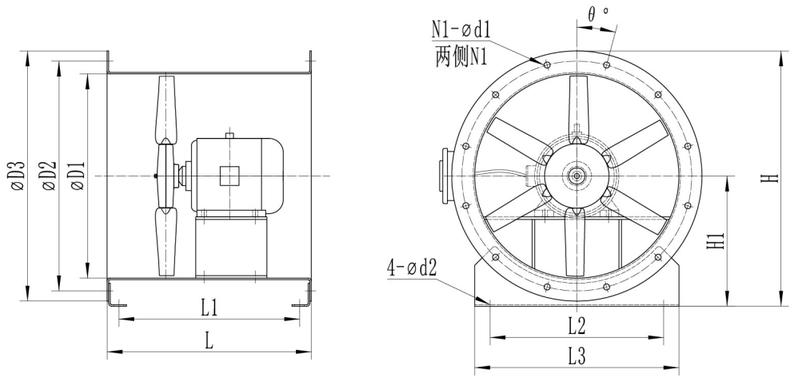
The "A"-weighting is an attempt to reflect the natural attention of sound and varies according to the distance of source to the listener and its environment.

Sound power levels are average overall dB at inlet under ducted conditions and Sound pressure levels are average dBA over a sphere under free field conditions for quick comparative purposes only.

Sound power levels in octave bands can be estimated by applying the relevant correction factors to the overall sound power level.

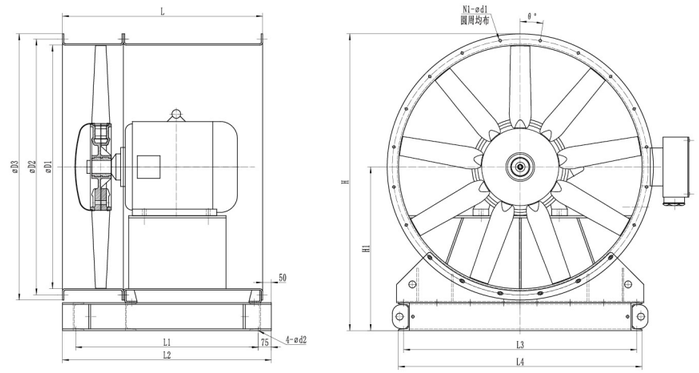
Cast Aluminium Impeller Aerofoil Section Blades NXT-17 2500 mm 50Hz
Nanfeng Corporation

NXT-17系列3.15~12.5机号轴流风机外形尺寸



机号 Fan model	电机型号 Motor frame no.	外形安装尺寸 (Dimension Reference) mm											
		ø D1	ø D2	ø D3	L	L1	L2	L3	H	H1	N1-ø d1	ø d2	θ °
3.15	Y56～80	315	355	390	350	275	255	315	400	205	8-φ10	φ12	0
3.55	Y63～90	355	395	430	400	325	295	355	440	225	8-φ10	φ12	0
4	Y63～100	400	450	490	400	324	340	400	500	255	8-φ12	φ12	0
4.5	Y63～112	450	500	540	450	364	390	450	550	280	8-φ12	φ15	0
5	Y71～90	500	560	610	400	314	440	500	620	315	12-φ12	φ15	15
	Y100～132				550	464							
5.6	Y71～112	560	620	670	450	362	500	560	680	345	12-φ12	φ19	15
	Y132～160				700	612							
6.3	Y80～132	630	690	740	550	452	530	630	750	380	12-φ12	φ19	15
	Y160～180				750	652							
7.1	Y80～132	710	770	820	550	452	610	710	830	420	16-φ12	φ19	0
	Y160～180				750	652							
8	Y80～132	800	860	910	550	452	700	800	920	465	16-φ12	φ19	0
	Y160				700	602							
9	Y90～132	900	970	1020	550	442	800	900	1030	520	16-φ15	φ19	0
	Y160～180				750	642							
10	Y90～132	1000	1070	1125	550	440	900	1000	1138	575	16-φ15	φ19	0
	Y160～180M				750	640							
	Y180L～225				900	790							
11.2	Y112～132	1120	1190	1245	550	430	1020	1120	1253	630	20-φ15	φ24	9
	Y160～180				800	680							
	Y200～250				1000	880							
12.5	Y112～132	1250	1320	1375	550	430	1150	1250	1383	695	20-φ15	φ24	9
	Y160～180				800	680							
	Y200～280				1000	880							

NXT-17系列14~28机号轴流风机外形尺寸



机号 Fan model	电机型号 Motor frame no.	外形安装尺寸 (Dimension Reference) mm											
		ø D1	ø D2	ø D3	L	L1	L2	L3	L4	H	H1	N1-ø d1	ø d2	θ °
14	Y160	1400	1470	1530	900	750	950	1360	1420	1705	940	20-φ15	16	9
	Y180				900	750	950							
	Y200				1050	900	1100							
	Y225				1050	900	1100							
	Y250				1150	1000	1200							
	Y280				1150	1000	1200							
16	Y180	1600	1680	1760	900	750	950	1550	1620	1980	1100	24-φ19	16	0
	Y200				1050	900	1100							
	Y225				1050	900	1100							
	Y250				1150	1000	1200							
	Y280				1150	1000	1200							
	Y315				1350	1200	1400							
18	Y225	1800	1880	1960	1100	950	1150	1750	1820	2180	1200	24-φ19	16	0
	Y250				1200	1050	1250							
	Y280				1200	1050	1250							
	Y315				1400	1250	1450							
20	Y250	2000	2080	2160	1200	1050	1250	1950	2020	2380	1300	24-φ19	16	0
	Y280				1200	1050	1250							
	Y315				1400	1250	1450							
22.4	Y315	2240	2320	2400	1500	1350	1550	2190	2260	2650	1450	24-φ19	16	7.5
	Y355				1700	1550	1750							
	Y400				2000	1850	2050							
25	Y315	2500	2580	2660	1500	1350	1550	2450	2520	2930	1600	24-φ19	16	7.5
	Y355				1700	1550	1750							
	Y400				2000	1850	2050							
28	Y315	2800	2910	2980	1500	1350	1550	2500	2560	3250	1760	36-φ19	16	5
	Y355				1700	1550	1750							
	Y400				2100	1950	2150							
	Y450				2100	1950	2150							

NXT-17系列轴流风机净重与运输参数

NXT-17 Series axial fan net weight and transpporation parameters

机号 Fan model	电机型号 Motor frame no.	风机净重 Fan net weight（kg）
3.15	Y56～80	37
3.55	Y63～90	51
4	Y63～100	78
4.5	Y63～112	90
5	Y71～90	69
	Y100～132	129
5.6	Y71～112	110
	Y132～160	217
6.3	Y80～132	152
	Y160～180	286
7.1	Y80～132	161
	Y160～180	300
8	Y80～132	195
	Y160	273
9	Y90～132	210
	Y160～180	322
10	Y90～132	258
	Y160～180M	378
	Y180L～225	601
11.2	Y112～132	274
	Y160～180	442
	Y200～250	838
12.5	Y112～132	348
	Y160～180	522
	Y200～280	1162

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NXT-17系列轴流风机净重与运输参数

NXT-17 Series axial fan net weight and transporation parameters

机号 Fan model	电机型号 Motor frame no.	风机净重 Fan net weight（kg）
14	Y160	740
	Y180	800
	Y200	915
	Y225	1060
	Y250	1260
	Y280	1470
16	Y180	945
	Y200	1070
	Y225	1210
	Y250	1425
	Y280	1625
	Y315	2210
18	Y225	1495
	Y250	1725
	Y280	1950
	Y315	2520
20	Y250	1880
	Y280	2115
	Y315	2745
22.4	Y315	3310
	Y355	4750
	Y400	6380
25	Y315	3710
	Y355	5010
	Y400	6334
28	Y315	4390
	Y355	5730
	Y400	7150
	Y450	8150

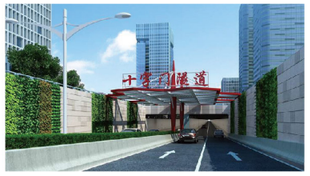
轴流风机的案例业绩

Case Reference of Axial Fan

公路隧道 | Highway Tunnels

哥伦比亚MAR2公路	Colombia MAR2 Highway
澳大利亚亚莱恩湾隧道线	Lane Cove Tunnel, Australia
马来西亚SMART隧道线	SMART Tunnel, Malaysia
香港南湾隧道线	Nam Wan Tunnel, Hong Kong
香港毕架山隧道线	Beacon Hill Tunnel, Hong Kong
香港三号干线工程	Hong Kong Route 3
台湾雪山隧道	Hsuehshan Tunnel, Chinese Taiwan
广州黄旗山隧道	Huangqishan Tunnel, Guangzhou
广东茂名奥体大道	Aoti Avenue, Maoming
广州海珠湾隧道	Haizhu Bay Tunnel, Guangzhou
集通铁路电气化改造工程	JT Railway Electrification Renovation
北京东六环改造工程	Beijing East Sixth Ring Road Renovation
国道109新线高速公路	New Expressway of the National Highway G109
重庆曾家岩隧道项目	Chongqing Zengjiayan Tunnel
广州机二高速南段SG14标	Guangzhou Baiyun Airport 2nd Expressway (SG14)
广东省吴川高铁站	Wuchuan High-Speed Railway Station, Guangdong
贵州省雷山至榕江高速公路	Guizhou Leishan-Rongjiang Expressway
珠海十字门隧道项目	Zhuhai Shizimen Tunnel
厦门马銮湾新城中心岛隧道	Malan Bay New Town Central Island Tunnel, Xiamen
云南楚大高速公路改扩容机电工程	Chudai Expressway Expansion & M&E Upgrade, Yunnan
广佛环线北滘基地	Guangfo Ring Line Beijiao Base
广连高速一期	Guangzhou-Lianzhou Expressway Phase I Project
广州连州高速公路机电JD04标	Lianzhou Expressway M&E (JD04), Guangzhou
杭绍台铁路东茗隧道和白罗山隧道	Dongming Tunnel & Bailuoshan Tunnel, HSTu Railway
襄阳市东西轴线鱼梁洲机电安装工程	M&E Installation for Xiangyang East-West Axis
海南海口越江隧道	Haikou River-crossing Tunnel, Hainan
四川攀枝花至大理高速JD4项目	Pandai Expressway(JD4), Sichuan
北京广渠路东延道路工程机电	M&E for Guangqu Road East Extension, Beijing
莆炎高速公路机电YED2、YED5、YED7段	M&E for Putian-Yanling Expressway(YED2、5、7)
四川318线	Section of National Highway G318, Sichuan
济南市济泺路穿黄隧道工程EPC项目	EPC Project for Jiluo Road Yellow River Tunnel, Jinan
上海北横通道工程	Beiheng Passageway, Shanghai
G98海南环岛高速青岭隧道项目	Qingling Tunnel of Isle Ring Expressway (G98), Hainan
南京长江第五大桥A3标机电工程	M&E for Section A3 of 5th River Bridge, Nanjing
四川营达项目	Yingda Expressway, Sichuan
甘孜水电S211线长河坝水电站改造	Renovation for S211 Changheba Hydropower Stn., Garze, Sichuan
广佛环线	Guangfo Ring Line
上海A30沿江通道越江隧道	Yuejiang Tunnel of A30 Riverside Expressway, Shanghai













穗莞深城际铁路	Guangzhou-Dongguan-Shenzhen Intercity Railway

地铁 | Metro

香港运营地铁通风改造项目	Hong Kong MTR Ventilalion Renovation Projects
伊朗德黑兰地铁1号线(南、北延长线)	Tehran Metro Line 1 (South/North Extension), Iran,
台湾高雄捷运地铁线、台北土城地铁线	Kaohsiung Metro and Taipei Tucheng Metro, Chinese Taiwan
广州地铁十四号线二期工程	Guangzhou Metro Line 14 Phase II
广州地铁十三号线二期工程	Guangzhou Metro LineLine 13 Phase II
广州地铁十二号线工程	Guangzhou Metro LineLine 12
广州地铁十一号线工程	Guangzhou Metro LineLine 11
广州地铁十号线工程	Guangzhou Metro LineLine 10
广州地铁七号线二期工程	Guangzhou Metro LineLine 7 Phase II
昆明地铁3号线一期工程	Kunming Metro Line 3 Phase I
贵阳地铁1号线	Guiyang Metro Line 1
重庆地铁五号线	Chongqing Metro Line 5
南昌地铁3号线工程	Nanchang Metro Line 3
福州地铁5号线工程	Fuzhou Metro Line 5
南京至句容城际工程	Nanjing-Jurong Intercity Railway
北京地铁3号线一期工程	Beijing Metro Line 3 Phase I
重庆地铁4号线二期(唐家沱-石船)工程	Chongqing Metro Line 4 Phase II (Tangjiatuo-Shichuan)
贵阳地铁3号线一期工程	Guiyang Metro Line 3 Phase I
深圳地铁13号线二期(北延)工程	Shenzhen Metro Line 13 Phase II (North Extension)
深圳地铁12号线二期工程	Shenzhen Metro Line 12 Phase II
滨海快线(福州至长乐机场城际铁路工程)	Binhai Express (Fuzhou-Changle Airport Intercity Railway)
贵阳地铁S1线一期工程	Guiyang Metro S1 Phase I
南京地铁9号线一期工程	Nanjing Metro Line 9 Phase I
西安市地铁8号环线工程	Xi'an Metro Line 8

民用建筑 | Large-scale Infrastructure

埃塞俄比亚阿姆哈拉酒店地下停车场项目	Amhara Hotel Underground Parking Project, Ethiopia
广州市白云区设计之都商业广场项目	Design Capital Commercial Plaza Project, Baiyun District, Guangzhou
香港中文大学深圳音乐学院公寓楼	Residential Apt Bld for Music School of Chinese University of Hong Kong, Shenzhen
香港建造业议会停车场	Parking Facility for Construction Industry Council, Hong Kong
香港加络莲山道住宅小区	Kalowlin Shan Tao Residential District, Hong Kong
香港沙田CMI数据申心	Sha Tin CMI Data Center, Hong Kong
香港玛嘉烈医院	Princess Margaret Hospital, Hong Kong
深圳14号线布吉枢纽东广场改造工程	Metro Line 14 Buji Hub East Plaza Renovation, Shenzhen







