



浙江金盾风机装备有限公司

ZHEJIANGJINDUN FANS EQUIPMENT CO., LTD.

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SDS(R)-12.5射流式通风机

SDS(R)-12.5

射流式通风机



浙江金盾风机装备有限公司特此证明，此处所示射流风机 SDS(R)-12.5# 风机获得了加盖AMCA印章的授权。所示额定值系根据 AMCA出版物211和AMCA出版物311所进行测试和程序确定，并符合 AMCA认证额定值计划的要求。

Zhejiang Jindun Fans Equipment Co Ltd. certifies that the Jet Fan SDS (R)-12.5# . Fan shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

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SDS（R）系列射流式通风机

SDS（R）SERIES JET FANS



SDS（R）系列射流式通风机概述

Outline of SDS (R) Series Jet Fans

SDS(R)系列射流式通风机系本公司与西安交通大学的机理研究成果和借鉴日本、德国等先进技术进行研制开发的新产品，公司工程技术中心致力于将理论技术进行不断研究开发和技术创新，还与多家国际大公司广泛交流和充分调研海内外地铁、公路、铁路隧道工程、水利大坝工程等系统，并咨询有关地铁设计院、隧道设计院和隧道安装公司的专家，掌握了该风机的使用要求，积累了产品技术、质量要求和使用条件等丰富经验。使该风机具有效率和比A声级等优于常规普通轴流风机，其风机的品种规格选择，优化各类工程系统匹配居国家内同等领先水平。

SDS（R）系列射流风机规格自630mm~1600mm，最大推力有3500N，对任一负荷和工况均可选择高效、低噪声的风机。

SDS（R）系列射流式通风机采用先进的工艺取得良好的质量保证，风机外壳采用进口专用机床旋压翻边成形，叶轮段内壁经金加工，既能保证机壳的同轴度和强度，又保证叶片径向间隙，外表经热浸镀锌处理，外形美观并防腐性能优良，风机叶片、轮毂采用全自动数控镗铣加工中心加工成压铸模型腔，分别在高压铸造和低压铸造机进行铝合金高（低）压铸成形。经公路隧道、铁路隧道、水利大坝工程等用户实际使用证明，该风机各项性能指标及耐腐蚀、可靠性、经济性等技术、质量要求和经济指标完全能适应各类隧道、地铁的使用。

SDS（R）series jet fan is the product developed by Jindun depending on the results of mechanism research from Xi’ an Jiaotong University,and adoped the advanced technology from Japan and Germany.The technology center of company is focusing on research and innovation of sustainable development.The company has established wide communication with international enterprises,and taken sufficient research on metro,highway tunnel,railway tunnel,dams project systems,as well as consult with the experts from the corresponding metro design institutes,tunnel design instiutes and tunnel engineering enterprises So the company knows well the application condition of jet fan and accumulates wide experience in technology,quality and application condition.The efficiency and A-weighted noise level of jet fan is better than that of the tradition axial fan.The intention of company is to select the jet fan with the best performance,to optimize the various engineering systems and to keep leading position in the domestic industry.

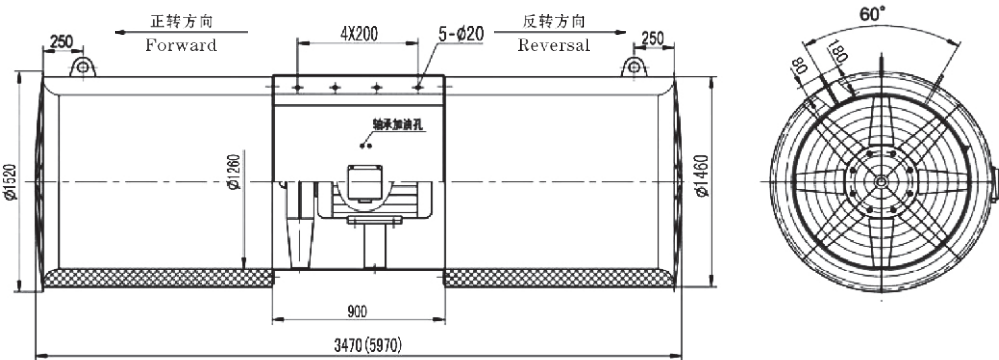
The thrust range,up 3500N,can be covered by fans range from diameter of 630mm to 1600mm.High efficiency and low noise jet fan can be selected under different load and work conditions.

SDS(R)series jet fan has high quality assurance depending on the advanced technology.The casing is forming by spinner.The tip of impeller is processed to make sure the alignment and the tip clearance.The hot dip galvanized surface provide good appearance and excellent anti-corrosive performance.The blades and hub are made of aluminum alloy by high/low pressure die-casting by casting model which is made by Toshiba CNC.The application of SDS fan in highway tunnel,railway tunnel and dams project has proved that the performance,technical and quality requirement,i.e. anti-corrosive,reliability and economics as well as economic targets,commpletely meet with the requirement of tunnel and metro.

SDS(R)-12.5射流式通风机外形尺寸图

Overall Dimension of SDS (R) – 12.5 Jet Fan

带消声器 With silencer



SDS(R)-12.5双向射流式通风机性能参数表

SDS（R）-12.5 Bidirectional Jet Fan Performance Data

风机型号	自由传送条件下的风量 Volume at Free Delivery (m ³ /s)	出口风速 Outlet Air Velocity (m/s)	叶轮转速 Impeller Speed (r/min)	电机 Motor			带消声器 With Silencer								气流方向	FEI
				机座号 Motor Size	功率 Motor Rating (kW)	自由传送条件下的电机轴功率 Motor Input Power at Free Delivery (kW)	1D				2D					
							推力 (N)	声压 Sound Pressure Level dB(A)	声功率 Sound Power Level dB(A)	重量 (kg)	推力 (N)	声压 Sound Pressure Level dB(A)	声功率 Sound Power Level dB(A)	重量 (kg)		
SDS (R) -12.5-460-12-28.4	22.4	18.4	985	200	22	14.6	482	74	102	818	472	71	99	1103	正向	0.77
	23.5	19.3	985			15.4	533	71	99	818	522	68	96	1103	逆向	0.83
SDS (R) -12.5-460-12-33.4	24.8	20.3	985	225	30	20.9	591	76	104	860	579	73	101	1145	正向	0.68
	24.6	20.3	985			22.2	583	73	101	860	570	70	98	1145	逆向	0.63
SDS (R) -12.5-460-12-38.7	26.3	21.6	985	250	37	29.2	665	78	106	924	651	76	104	1209	正向	0.56
	26.2	21.5	985			31.4	658	75	103	924	645	73	101	1209	逆向	0.52

经认证的性能是 E 类安装 - 自由入口，自由出口, 无隔板。
AMCA 认证额定值程序印章仅适用于自由送风时的推力。所示转速（RPM）为公称转速。性能以实际测试转速为依据。各项性能额定值包括1D进口/出口消音器和进口/出口保护网的影响。
所示值为安装类型E：自由入口，自由出口, 无隔板的总声功率级（LwA）。所示A加权声音性能额定值已按AMCA International 标准 301 计算。
声压率级dBA未获 AMCA International 授权。
2D消音器的空气性能及声音性能额定值未获 AMCA International 授权。
Performance certified is for installation type E – Free inlet, Free outlet without partition.
The AMCA Certified Ratings Program Seal applies to thrust at free delivery only. Speed (rpm) shown is nominal. Performance is based on actual speed of test. Performance ratings include the effects of 1D inlet/outlet silencer and inlet/outlet protection net.
Values shown are for total LwA sound power levels for installation type E- free inlet, free outlet without partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.
Sound pressure level dBA are not licensed by AMCA International.
The air and sound performance with 2D Silencer are not licensed by AMCA International.