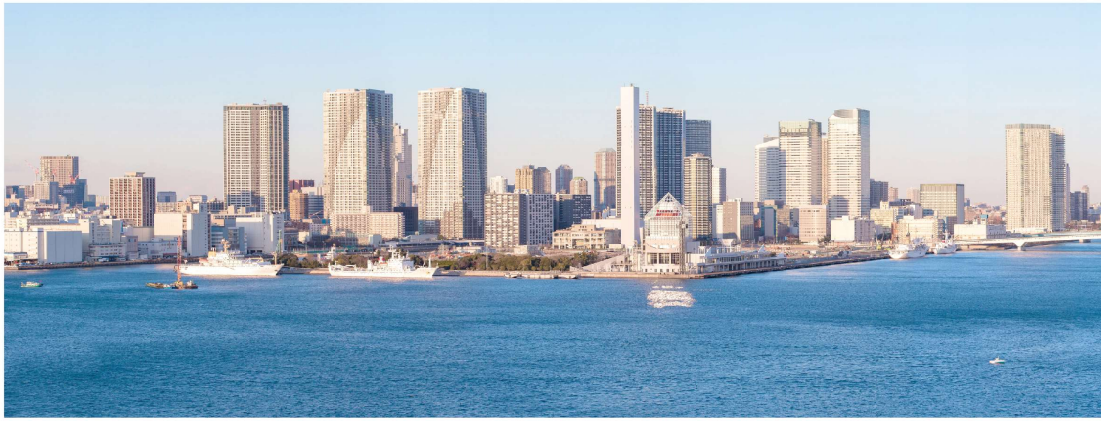
TWOSUN
SHUANGYANG FAN

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TWOSUN
SHUANGYANG FAN

风机技术手册

<2025>



TWOSUN
SHUANGYANG FAN

FAN TECHNICAL MANUA

风机技术手册

ZHEJIANG SHUANGYANG FANS HOLDING CO.,LTD.

浙江双阳风机股份有限公司

ZHEJIANG SHUANGYANG FANS HOLDING CO.,LTD.

关于双阳

Zhejiang Shuangyang Fans Holding Co., Ltd, a professional manufacturer specialized in fans, dampers and silencers. It covers an area of more than 10,000 square meters and construction area 75,000 square meters with the registered capital 206.2 million yuan and total asset are nearly 700 million yuan. Shaungyang has formed a complete system included the design, manufacture and sales of fans in the fields of civil construction, metro and tunnel, nuclear power station and industrial supporting.

Since its founding, the company has always been dedicated to technical innovation and its innovation ability has been continuously enhanced by cooperating with domestic famous universities and research institutes in production, study and research, and constantly introducing and absorbing advanced technologies. The company, with more than 500 employees, more than 70 engineers technicians and more than 30 intermediate and senior engineer technicians, has more than 60 patents (includes 5 invention patents). Many products of Shuangyang company have been listed as National Key New Product, Torch Program and Ten Major Demonstration Projects of Key Energy Conservation Projects by the Ministry of Science and Technology and the National Development and Reform Commission, and the company awarded the High Technology and New Technology Enterprise.

With long history, solid financial resources, sound quality assurance system, high-quality devices, perfect inspection ability and rich experience of design, production and service, Shuangyang is looking forward to your kindly visit.

CREATING LEADING TECHNOLOGY CASTING SHUANGYANG FAN BOUTIQUE

创行业领先科技 铸双阳风机精品

浙江双阳风机股份有限公司是风机、风阀和消声器产品的专业制造企业。公司占地面积 10 万平方米，建筑面积 7.5 万平方米，注册资本 30500 万元，总资产近 7 亿元。目前，已形成工业配套、核电、地铁隧道和工民建四大领域应用风机的设计、制造和销售的完整体系。

公司自成立以来，一直以科技创新为发展方向，长期与国内知名院校、科研单位进行产学研合作，并不断引进、消化和吸收先进技术，公司创新能力持续增强。现有员工 500 余人，工程技术人员 70 余人，其中中高级职称 30 余人。公司拥有 60 多项专利，多个产品被国家科技部、发改委列入"国家重点新产品"、"火炬计划"和"十大重点节能工程重大示范项目"，公司还荣获"国家高新技术企业"，"浙江省专精特新中小企业"等称号。

公司的历史悠久，资金实力雄厚，质保体系健全，制造设备精良，检验流程完善，设计、制造和服务经验丰富。公司综合实力处于行业领先地位。

欢迎国内外朋友莅临指导！



TWOSUN SHUANGYANG FAN

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HTFC系列离心式消防排烟风机



DBF Series Variable Air Flow-rate Fan Units
DBF系列变风量风机箱



GDF Series Centrifugal Duct Fan
GDF系列离心式管道风机



DPT Series Centrifugal Duct Fan
DPT系列静音型离心式管道风机



SYA Series Intelligence Centralism Controls Inducting Fan
SYA系列智能型集中控制式诱导风机



YDF Series Low-noise Induced Fan
YDF系列低噪声诱导风机



BLD Series Ventilator
BLD系列通风器



BLD Series Ventilator
BLD系列通风器



HTF Series Axial Flow Fireproof Smoke Exhaust Fan
HTF轴流式消防排烟风机



SWF Series Hi-efficiency Low-noise Mixed Flow Fan And Axial Flow Fire-proof Smoke Exhaust Fan
SWF系列高效低噪混流式通风机、轴流式消防排烟风机



HL3-2A Low-Noise Power-Saving Mixed-Flow Fan
HL3-2A低噪节能混流风机



PYHL Series Axial Flow Fireproof Smoke Exhaust Fan
PYHL轴流式消防排烟风机



SJG Power-Saving Low-Noise Mixed-Flow Fan
SJG节能低噪混流风机



JBF Power-Saving Transformer Fan
JBF节能型变压器风机



WEX Series Low-Noise Square Wall-Mounting Axial Flow Fan
WEX系列低噪声方型壁式轴流风机



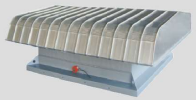
DZ Low-Noise Axial Fan
DZ低噪声轴流风机



T35-11 Axial Flow Fan
T35-11轴流风机



RAS, RAE Series Low-noise Square Axial-flow Roof Fan
RAS、RAE系列低噪声方型轴流式屋顶送、排风机



RSS, RSE Series Big Low-noise Square Axial-flow Roof Fan
RSS、RSE系列大型低噪声方型轴流式屋顶送、排风机



RTC Series Centrifugal Fireproof Smoke Exhaust Fan (Aluminum, Roof)
RTC系列离心式消防排烟风机（铝制、屋顶型）



RSC Series Low-noise Centrifugal Roof Vent Fan
RSC系列低噪声离心式屋顶送风机



DWT-I Series Low-noise Axial-flow Roof Fan
DWT-I系列低噪声轴流式屋顶风机



DWT-II, III Series Low-noise Centrifugal Roof Exhaust Fan
DWT-II、III系列低噪声离心式屋顶排风机



HTF-III-I Axial-flow Fireroof Smoke Exhaust Fan
HTF-III-I轴流式消防排烟风机



AWT Series Turbo Exhaust Fan
AWT系列涡轮排气抽风机



Gravitational Check Valve
重力止回阀



Electric Check Valve
电动止回阀



Smoke Exhaust Fireproof Valve
排烟防火阀



Aluminum Filter Netting
铝制过滤网



HTFC Series Centrifugal Fireproof Smoke Exhaust Fan (Low-noise Cabinet Fan)
HTFC系列离心式消防排烟风机（低噪声柜式风机）

General Description
一、简述

There are two different types of this series, A type, motor is placed outside of the fan housing and B type that the motor is placed inside of the housing. And each type can be divided into three forms, I、II and III.

The fan passed the AMCA certification, Chian compulsory product certification and explosion proof certification.

Gas conveying: viscous substances in the gas conveyed is not allowed, and the hard particles are not more than 50mg/m³.

Temperature of conveyed gas: the high-temperature test shows that the fan can run continuously for 45 minutes under the smoke temperature of 280℃ (has been certified by the China Certification Center for Fire Products Ministry of Public Security).

Application: to be suitable for fire fighting and ventilation of hotels, restaurants, halls, basements, workshops and office buildings of factories and mining enterprises, etc. Type III fan is especially suitable for oil fume exhaust in kitchens.

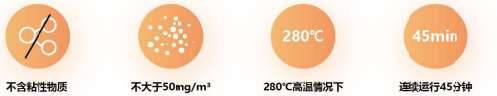
本系列产品结构形式分 A 型和 B 型两种，即电动机安装在柜机壳体外的为 A 式，电动机安装在壳体内的为 B 型。每种结构形式又可分为 I、II、III 形式。

产品通过 AMCA、消防 3C、防爆认证。

应用时输送的空气要求：气体内**不许有粘性的物质**，所含的尘土硬质颗粒物**不大于 50mg/m³**。

应用时输送气体的温度 经耐高温试验，在烟气 **280℃**高温情况下，连续运行 **45** 分钟，达到消防排烟之目的（本产品经公安部消防产品合格评定中心检测，在温度 280℃，连续运行 45 分钟）。

应用场所：可供宾馆、饭店、礼堂、地下室、厂矿企业的车间、办公楼等需要消防并通风换气的场合使用，用户可根据不同使用场合和不同用途选择，III 型风机尤其适合厨房排油烟。



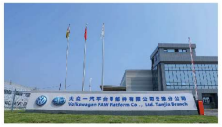
不含粘性物质　不大于50mg/m³　280℃高温情况下　连续运行45分钟


华润置地


中央军委八一大厦


希尔顿酒店


清华大学


一汽大众

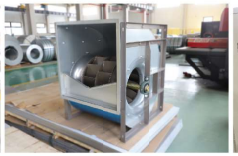

普洛斯物流


北京协和医院


广州白云机场

Characteristics Of Double Inlet Forward- /backward-curved Centrifugal Fan
二、双进风前倾 / 后倾离心风机特点






Advanced process guarantees the precision

The frames of fan housing are high-quality aluminum alloy or galvanized sheet draw forming

The surface of the housing bases and fan bases are sprayed with anti-oxidation plastics after welding

The vibration frequency of fan body can be reduced effectively with the external plate flanges at inlet and outlet and optional built-in spring vibration absorber of housing.

The surface of fan brackets are sprayed with anti-oxidation plastics

先进工艺保证精度

箱体框架选用优质铝合金型材或镀锌板拉拔搭建成型

箱体底座、风机底座焊后表面采用抗氧化的喷塑表面处理

配用外接共板型进口、出口法兰，风机箱可选用内置弹簧减震，降低风机本体产生振动频率

风机支架采用抗氧化的喷塑表面处理

More reliable structure design

The forward-curved impeller with elaborately designed reinforcing screw ensures the stable operation of the fan for long time

The backward-curved impeller with stiffener makes the fan long term operation more reliable

The stable channel steel frame supports are the guarantee of smooth operation of the fan

结构设计更可靠

前倾叶轮采用设计精巧的加强丝杆，确保长期可靠运行

后倾叶轮选点精确的加强筋，确保长期安全运行

稳固的槽钢框架支撑风机，保证风机平稳运行

Balancing grade up to G2.5 (only G6.3 for common products)

The high balancing grade makes less vibration and higher reliability of the fan

The high balancing grade produces lower noise.

高平衡等级

平衡等级高达 G2.5（普通产品仅为 G6.3）

降低风机的振动，提高可靠性

有效降低运行噪声

Forward-curved centrifugal fan: large airflow rate, low noise, high efficiency, small volume, new and compact structure and good performance

The forward-curved impeller has larger airflow rate at the same speed with the backward-curved impeller

The forward-curved impeller has lower speed and noise under the same working conditions with the backward-curved impeller

The spinning venturi duct at inlet is precisely matched with the impeller, which produces good rectification effect lower noise and fan efficiency improved.

前倾离心风机：流量大、噪声低，高效率、体积小、结构紧凑、结构新颖、性能优良

前倾叶轮与后倾叶轮相比，同等转速，风量更大

前倾叶轮与后倾叶轮相比，同等工况，转速低，噪声低

旋压的入口文丘里管与叶轮精密配合，整流效果好，进一步降低噪声，提高了效率

Backward-curved centrifugal fan: with perfect aerodynamics characteristics, high efficiency, high strength and low noise

The backward-curved impeller has higher efficiency than axial flow, mixed flow and forward-curved impeller

The V-shaped baffle at outlet can effectively reduce turbulence and noise and improve the efficiency of the fan

The backward-curved impeller has been repeatedly optimized, with gentle anti-overload curve, makes the fan operation more safer.

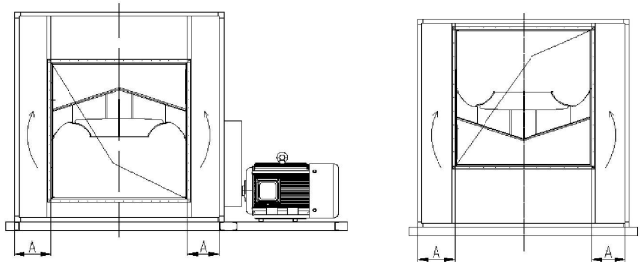
后倾离心风机：具有良好的空气动力学特性、效率高、强度好、噪声低

后倾叶轮较轴流、混流、前倾叶轮效率更高

出风口 V 型挡板设计，有效减少紊流、降低噪声、提高效率

后倾叶轮经反复优化获得的平缓的防过载曲线，运行更安全

Product Characteristics
三、产品特性



Sealed housing structure and low noise
High-quality low noise inner forward-/backward-curved centrifugal fan
Inlet size amca recommended makes the air flow more smooth
The complete fan through cfd flow field simulation can effectively reduce the noise of the fan
Alumnum or galvanized drawing column structure bring good sound insulation
The double layer box structure reduces the noise further
The wide a part of the box housing reduces the obstruction of air flow and makes it so smooth
密封的箱体结构，噪声低
优质低噪声内部前倾 / 后倾离心风机
AMCA 推荐的进风口尺寸，气流更顺畅
整机 CFD 流场模拟降低噪声
铝型材或镀锌拉拔型立柱结构，隔音效果好
双层箱体，可进一步降低噪声
双阳风机箱 A 部位较宽，气流顺畅设计优良，减少气流受阻

Features
Various angles for selection
Ground installation, ceiling installation or connection with cuct is available
Select airflow rate and pressure correspondingly according to different speeds of belt pulley
Double speed motor is optional
要点
多种角度可选择
风机可选落地安装及吊装，也可接管道安装
可根据皮带轮转速不同来选择相应的风量风压
可选双速电机

Fine material and reliable long term operation
The high-quality aluminum alloy or galvanized sheet drawing frame ensures the solid structure of the fan without deformation during the long term operation
The fan housing coaming is made of high-quality galvanized sheet
The surface of the welded bases and plate flanges are sprayed with anti-oxidation plastics
选材精良，长期运行更可靠
优质铝合金或镀锌板拉拔框架，结构更加牢固，长期不变形
风机箱围板选用优质的镀锌板材质
箱体底座焊后及共板法兰表面采用抗氧化喷塑处理

Fan Configuration
四、产品配置

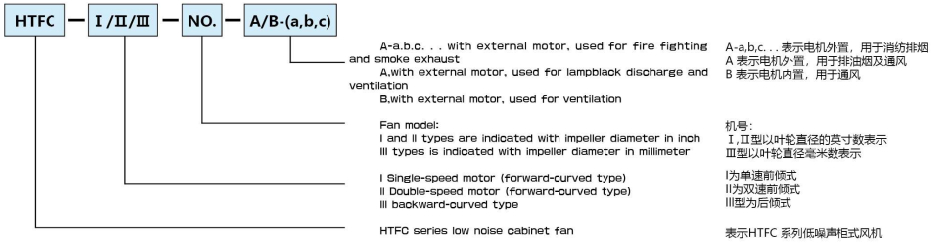
A. Standard Configuration 标准配置

Impeller 叶轮	fan core (casing, collector and support) 机芯（机壳、集流器、支架）
motor 电机	belt pulley and belt 皮带轮、皮带
bearing 轴承	anti-noise housing 消声箱体
spindle 主轴	belt guard（for A type fan only） 皮带罩（仅A式）
adjustable slide way of motor 电机调节导轨	flanges at inlet and outlet 进出风口法兰

B. Options and Accessories(Please Indicate When Ordering) 备选件及附件（订货时注明是否购买）

vibration abscrber 减震装置	control box 控制箱
silencer 消声器	counter flange 对接法兰
filter 过滤器	weather guard of motor（for A type fan only） 电机防雨罩（仅A式）
flexible connector 软接	inner spring shock absorber 内部弹簧减震
oil filler pipe for bearing 轴承加油管	damper 阀
discharge pipe assembly 排污管组件	

Model Indication
五、型号说明



Performance Parameter
六、性能参数

Performance Parameter Table Of HTFC-I Fan
HTFC-I 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-I-9A-d HTFC-I-9B	5008	461	343	1470	4P/1.5	62	127
	4714	471	367				
	4419	486	394				
	4125	504	424				
	3830	526	457				
	3535	544	485				
	2946	563	522				
HTFC-I-9A-a HTFC-I-9B	4565	381	283	1400	4P/1.1	59	122
	4297	397	310				
	3760	436	370				
	3491	452	395				
	3223	468	419				
	2954	479	438				
	2417	484	457				
HTFC-I-9A-b HTFC-I-9B	4054	318	241	1190	4P/0.75	56	118
	3816	330	262				
	3339	362	310				
	3100	380	335				
	2623	403	371				
	2385	407	381				
	1908	401	384				
HTFC-I-9A-c HTFC-I-9B	3463	275	219	1080	4P/0.55	53	117
	3247	291	242				
	2814	321	284				
	2597	332	300				
	2164	344	322				
	1948	344	326				
	1732	338	324				
HTFC-I-10A-d HTFC-I-10B	5787	525	427	1500	4P/2.2	62	143
	5498	554	466				
	4919	599	528				
	4630	615	552				
	4340	626	571				
	3762	633	592				
	3472	630	595				
HTFC-I-10A-a HTFC-I-10B	5254	442	362	1330	4P/1.5	59	135
	4992	467	394				
	4466	504	446				
	4203	518	466				
	3678	532	493				
	3153	531	502				
	2890	524	500				
HTFC-I-10A-b HTFC-I-10B	4591	418	356	1190	4P/1.1	55	131
	4361	441	385				
	3902	477	432				
	3673	489	450				
	3214	503	473				
	2984	504	478				
	2525	495	477				

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of HTFC-I Fan
HTFC-I 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Fower 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-I-10A-c HTFC-I-10B	4375	331	275	1050	4P/0.75	51	126
	4156	349	299				
	3719	377	337				
	3500	387	351				
	3063	398	371				
	2844	399	376				
	2406	392	375				
HTFC-I-12A-a HTFC-I-12B	9419	637	499	1400	4P/4	64	202
	9042	663	535				
	8289	708	601				
	7912	725	627				
	7535	734	645				
	6782	745	674				
	6405	742	678				
HTFC-I-12A-b HTFC-I-12B	8264	555	449	1290	4P/3	64	197
	7919	576	478				
	7575	593	503				
	7231	606	525				
	6886	616	542				
	6542	623	556				
	6198	625	565				
HTFC-I-12A-c HTFC-I-12B	7846	401	305	1140	4P/2.2	63	190
	7544	421	332				
	6941	454	379				
	6639	468	399				
	6337	478	415				
	5734	490	438				
	5432	492	446				
HTFC-I-12A-d HTFC-I-12B	7052	340	263	1020	4P/1.5	62	186
	6488	366	300				
	5924	387	332				
	5359	396	351				
	5077	398	358				
	4513	392	360				
	3949	375	351				
HTFC-I-12A-e HTFC-I-12B	6342	304	241	920	4P/1.1	61	155
	5835	329	275				
	5327	345	301				
	5074	350	309				
	4820	353	317				
	4313	352	323				
	3805	343	321				
HTFC-I-15A-e HTFC-I-15B	17313	724	493	1150	4P/7.5	70	301
	15807	776	584				
	14302	807	649				
	12796	823	697				
	11291	830	732				
	10162	835	755				
	9033	840	778				

Performance Parameter Table Of HTFC-I Fan
HTFC-I 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-I-15A-a HTFC-I-15B	15582	621	434	1040	4P/3.5	69	288
	14197	661	505				
	12812	683	556				
	11427	693	592				
	10388	698	615				
	9349	701	634				
	8311	705	651				
HTFC-I-15A-b HTFC-I-15B	13991	510	359	950	4P/4	67	265
	12747	542	416				
	11504	560	458				
	10882	565	474				
	9949	570	494				
	9016	573	510				
	7773	577	531				
HTFC-I-15A-c HTFC-I-15B	12447	446	326	870	4P/3	66	260
	11289	466	368				
	10421	475	391				
	9553	480	410				
	8974	482	420				
	8105	485	434				
	7237	488	447				
HTFC-I-15A-d HTFC-I-15B	10283	420	339	820	4P/2.2	65	245
	9471	427	358				
	8659	431	373				
	8118	432	381				
	7577	434	389				
	6765	437	402				
	5953	441	414				
HTFC-I-18A-e HTFC-I-18B	21870	896	694	1210	4P/11	72	370
	20412	918	741				
	18954	936	784				
	18225	945	804				
	17496	953	823				
	16767	961	842				
	15309	975	876				
HTFC-I-18A-a HTFC-I-18B	20438	842	665	1090	4P/7.5	70	350
	19075	862	708				
	17713	880	747				
	17031	888	765				
	16350	895	782				
	14988	907	811				
	13625	915	836				
HTFC-I-18A-b HTFC-I-18B	18042	665	528	970	4P/5.5	69	337
	16878	684	563				
	15714	699	594				
	15132	706	609				
	13968	719	636				
	12804	730	661				
	11640	742	684				

Performance Parameter Table Of HTFC-I Fan
HTFC-I 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Fower 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-I-18A-c HTFC-I-18B	15660	552	448	870	4P/4	68	312
	14616	565	474				
	13572	577	499				
	13050	582	510				
	12528	586	520				
	11484	596	540				
	10440	605	559				
HTFC-I-18A-d HTFC-I-18B	14694	451	360	790	4P/3	68	304
	13746	463	383				
	12798	474	405				
	11850	483	424				
	10902	490	440				
	9954	499	457				
	9006	507	473				
HTFC-I-20A-a HTFC-I-20B	28566	835	602	1080	4P/15	70	510
	27324	869	657				
	26082	895	702				
	24840	914	739				
	23598	928	769				
	21735	940	806				
	20493	946	827				
HTFC-I-20A-b HTFC-I-20B	25616	723	536	990	4P/11	67	446
	24478	748	578				
	23339	767	612				
	22201	781	640				
	21062	790	664				
	19924	797	684				
	18785	802	701				
HTFC-I-20A-c HTFC-I-20B	23082	613	461	890	4P/7.5	63	424
	21360	627	497				
	20292	635	518				
	19224	642	536				
	18156	646	552				
	17088	650	566				
	16020	653	580				
HTFC-I-20A-d HTFC-I-20B	19734	457	346	780	4P/5.5	59	400
	18837	471	370				
	17492	485	398				
	16595	491	412				
	15698	495	424				
	14352	499	440				
	13455	502	450				
HTFC-I-22A-a HTFC-I-22B	35412	893	645	1040	4P/18.5	74	560
	33051	962	746				
	30690	1021	834				
	29510	1048	875				
	28330	1072	913				
	25969	1107	973				
	23608	1119	1009				

Performance Parameter Table Of HTFC-I Fan
HTFC-I 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-I-22A-b HTFC-I-22B	32007	730	527	940	4P/15	73	530
	29873	786	609				
	27739	834	681				
	26673	856	715				
	25606	876	746				
	23472	905	795				
	21338	915	824				
HTFC-I-22A-c HTFC-I-22B	30058	661	482	870	4P/11	72	509
	27985	707	552				
	25912	746	613				
	24876	762	640				
	23839	776	663				
	22803	787	684				
	20730	801	715				
HTFC-I-22A-d HTFC-I-22B	26376	558	420	780	4P/7.5	71	506
	24492	592	473				
	23550	607	497				
	22608	621	520				
	21666	633	540				
	19782	650	572				
	17898	660	596				
HTFC-I-25A-f HTFC-I-25B	46791	1107	811	930	4P/30	78	740
	42780	1176	928				
	40106	1213	996				
	38769	1229	1026				
	36096	1258	1082				
	33422	1280	1129				
	29411	1294	1177				
HTFC-I-25A-a HTFC-I-25B	44609	872	603	840	4P/22	77	722
	40892	940	714				
	38414	976	776				
	37174	991	804				
	34696	1016	854				
	32218	1036	896				
	28500	1055	946				
HTFC-I-25A-b HTFC-I-25B	42525	840	595	810	4P/18.5	76	718
	38880	892	688				
	36450	920	741				
	35235	932	765				
	32805	955	809				
	30375	971	847				
	26730	982	885				
HTFC-I-25A-c HTFC-I-25B	39375	720	510	750	4P/15	75	711
	37125	750	564				
	34875	778	614				
	33750	789	635				
	31500	810	676				
	29250	826	710				
	25875	841	750				

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of HTFC-I Fan
HTFC-I 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-I-25A-d HTFC-I-25B	35595	588	417	680	4P/11	74	663
	33561	613	461				
	31527	636	502				
	30510	645	519				
	28476	662	552				
	26442	675	580				
	23391	687	613				
HTFC-I-25A-e HTFC-I-25B	31507	461	327	600	4P/7.5	73	621
	28806	490	377				
	27006	505	407				
	26106	512	420				
	24305	524	444				
	22505	533	465				
	19804	539	486				
HTFC-I-27.5A-a HTFC-I-27.5B	52219	989	729	730	4P/30	77	858
	49397	1023	791				
	46574	1051	844				
	45163	1064	870				
	43751	1074	892				
	40929	1093	933				
	38106	1107	968				
HTFC-I-27.5A-b HTFC-I-27.5B	49353	884	652	690	4P/22	76	785
	46690	914	706				
	44022	940	755				
	42683	951	777				
	41354	960	797				
	38686	976	834				
	36018	989	865				
HTFC-I-27.5A-c HTFC-I-27.5B	47386	764	550	650	4P/18.5	75	766
	44892	794	602				
	42398	818	647				
	39904	838	686				
	38657	847	705				
	36163	861	736				
	33669	871	763				
HTFC-I-27.5A-d HTFC-I-27.5B	44465	650	462	600	5P/15	74	770
	42126	675	506				
	39786	696	545				
	38616	705	563				
	36275	720	594				
	33935	732	623				
	31595	741	646				
HTFC-I-27.5A-e HTFC-I-27.5B	38628	541	399	540	6P/11	73	728
	36540	560	433				
	34452	576	463				
	33408	582	476				
	32364	588	488				
	30276	598	511				
	28188	605	530				

Performance Parameter Table Of HTFC-I Fan
HTFC-I 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-I-30A-a HTFC-I-30B	68829	945	632	710	4P/37	78	950
	64083	995	724				
	59336	1033	800				
	56962	1047	833				
	54589	1058	861				
	49842	1074	910				
	45095	1085	951				
HTFC-I-30A-b HTFC-I-30B	63180	860	596	680	4P/30	77	920
	58667	915	688				
	54154	956	762				
	51898	969	791				
	49641	978	815				
	45129	989	854				
	40616	996	887				
HTFC-I-30A-c HTFC-I-30B	57394	765	547	620	6P/22	76	930
	53143	808	621				
	48891	838	680				
	46766	849	705				
	44640	855	723				
	40389	863	755				
	36137	868	782				
HTFC-I-30A-d HTFC-I-30B	52256	605	425	570	6P/18.5	75	890
	48523	644	488				
	44791	674	541				
	42925	686	564				
	41058	696	585				
	37326	706	614				
	33593	708	633				
HTFC-I-30A-e HTFC-I-30B	49648	540	377	540	6P/15	73	875
	46102	564	424				
	42555	580	460				
	40782	587	477				
	37236	597	505				
	33690	603	528				
	30143	606	546				
HTFC-I-30A-f HTFC-I-30B	43132	449	326	480	6P/11	73	850
	39937	466	361				
	36742	477	388				
	35145	482	400				
	33547	484	410				
	30352	489	428				
	27157	492	443				
HTFC-I-33A-a HTFC-I-33B	76272	807	543	615	6P/37	77	1125
	70516	876	650				
	64760	906	716				
	60442	911	745				
	57564	908	758				
	51808	893	771				
	46051	877	781				

Performance Parameter Table Of HTFC-I Fan
HTFC-I 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-I-33A-b HTFC-I-33B	72657	713	473	575	6P/30	74	1118
	67275	780	575				
	61893	815	641				
	57857	823	671				
	53820	820	689				
	48438	807	701				
	43055	793	709				
HTFC-I-33A-c HTFC-I-33B	67133	603	398	520	6P/22	70	1092
	62160	661	486				
	57187	691	543				
	53453	698	568				
	49723	696	584				
	44755	685	594				
	39782	672	600				
HTFC-I-33A-d HTFC-I-33B	62323	554	378	490	6P/18.5	66	900
	57624	601	450				
	52920	622	495				
	49392	625	514				
	47040	623	523				
	42336	613	532				
	37632	602	538				
HTFC-I-36A-a HTFC-I-36B	95940	913	614	580	6P/45	77	1521
	88920	981	724				
	81900	1023	805				
	77220	1040	846				
	70200	1053	893				
	63180	1053	923				
	56160	1045	942				
HTFC-I-36A-b HTFC-I-36B	90200	807	542	550	6P/37	75	1350
	83600	867	640				
	77000	904	711				
	72600	919	748				
	66000	931	789				
	59400	931	816				
	52800	924	833				
HTFC-I-36A-c HTFC-I-36B	84460	722	490	510	6P/30	72	1267
	78280	776	577				
	72100	810	641				
	67980	823	673				
	61800	834	710				
	55620	834	733				
	50388	828	745				
HTFC-I-36A-d HTFC-I-36B	76697	607	416	460	6P/22	67	1190
	72955	639	466				
	69215	665	509				
	63603	688	556				
	57991	700	591				
	52379	702	613				
	48637	700	623				

Performance Parameter Table Of HTFC-I Fan
HTFC-I 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-I-36A-e HTFC-I-36B	74298	527	347	430	6P/18.5	64	1176
	70760	559	396				
	65453	594	455				
	60146	615	497				
	54839	626	528				
	49532	628	548				
	44225	624	560				
HTFC-I-40A-a HTFC-I-40B	112317	932	673	560	6P/55	80	1666
	104295	1103	879				
	96272	1206	1015				
	90924	1243	1073				
	85575	1259	1108				
	77552	1251	1127				
	69530	1215	1116				
HTFC-I-40A-b HTFC-I-40B	101352	861	650	510	6P/45	78	1600
	93936	1007	826				
	86520	1088	934				
	81576	1112	975				
	76632	1118	997				
	69216	1100	1001				
	61800	1063	984				
HTFC-I-40A-c HTFC-I-40B	95448	778	591	480	6P/37	76	1489
	88464	909	748				
	81480	982	845				
	76824	1004	883				
	72168	1010	903				
	65184	994	907				
	58200	960	890				
HTFC-I-40A-d HTFC-I-40B	87970	661	502	440	6P/30	74	1406
	81533	773	636				
	75096	834	718				
	70805	853	750				
	66514	858	767				
	60077	844	770				
	53640	816	757				

Performance Parameter Table Of HTFC-II Fan
HTFC-II 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-II-12A-a HTFC-II-12B	7846	401	305	1140	4/6P-2.2/0.7	63	205
	6639	463	399				
	5432	492	446				
	5093	169	129	740		59	
	4310	197	168				
	3526	207	188				
HTFC-II-12A-b HTFC-II-12B	8264	555	449	1290	4/6P-3.2/1.1	64	215
	723[illegible]	605	525				
	619[illegible]	625	565				
	5381	235	190	840		60	
	4709	257	222				
	4036	265	240				
HTFC-II-12A-c HTFC-II-12B	9419	637	499	1400	4/6P-4.7/1.5	65	230
	791[illegible]	725	627				
	6405	742	678				
	6122	269	211	910		61	
	5143	305	265				
	4163	313	286				
HTFC-II-15A-a HTFC-II-15B	12447	445	326	870	4/6P-3.2/1.1	63	267
	9553	480	410				
	7237	483	447				
	8155	191	140	570		59	
	6259	205	176				
	4741	209	192				
HTFC-II-15A-b HTFC-II-15B	13991	510	359	950	4/6P-4.7/1.5	65	282
	10882	565	474				
	777[illegible]	577	531				
	913[illegible]	217	153	620		61	
	7102	241	202				
	5073	245	226				
HTFC-II-15A-c HTFC-II-15B	15582	621	434	1040	4/6P-6.7/2.2	67	302
	1142[illegible]	693	592				
	8311	705	651				
	10183	265	185	680		63	
	7472	295	253				
	6088	301	272				
HTFC-II-15A-d HTFC-II-15B	17313	724	493	1150	4/6P-9.5/3.1	69	330
	12795	823	697				
	9033	840	778				
	11291	303	210	750		65	
	8345	350	296				
	5891	357	330				
HTFC-II-18A-a HTFC-II-18B	15660	552	448	870	4/6P-4.7/1.5	64	320
	13050	582	510				
	10440	605	559				
	10260	237	192	570		60	
	8550	250	219				
	6840	260	240				

Performance Parameter Table Of HTFC-II Fan
HTFC-II 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配月电机 Power 极·功率 (tW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-II-18A-b HTFC-II-18B	18042	665	528	970	4/6P-2.2/0.7	68	351
	15132	706	609				
	11640	742	684				
	11718	281	223	630		64	
	9828	298	257				
	7560	313	289				
HTFC-II-18A-c HTFC-II-18B	20438	842	665	1090	4/6P-9.5/3.1	70	378
	17031	888	765				
	13625	915	836				
	13313	357	282	710		66	
	11094	377	325				
	8875	388	355				
HTFC-II-18A-d HTFC-II-18B	21870	896	694	1210	4/6P-12/4	71	392
	18225	945	804				
	15309	975	876				
	14279	382	296	790		67	
	11899	403	343				
	9995	416	374				
HTFC-II-20A-a HTFC-II-20B	19734	457	346	780	4/6P-6.7/2.2	70	425
	16595	491	412				
	13455	502	450				
	12903	195	148	510		66	
	10850	210	176				
	8798	215	193				
HTFC-II-20A-b HTFC-II-20B	23082	613	461	890	4/6P-9.5/3.1	71	455
	19224	642	536				
	16020	653	580				
	15042	260	196	580		67	
	12528	273	228				
	10440	277	246				
HTFC-II-20A-c HTFC-II-20B	25616	723	536	990	4/6P-12/4	72	492
	22201	781	640				
	18785	802	701				
	16819	312	231	650		68	
	14576	337	277				
	12334	346	303				
HTFC-II-20A-d HTFC-II-20B	28566	835	602	1080	4/6P-15.5/5.1	73	528
	24840	914	739				
	20493	946	827				
	18780	361	261	710		70	
	16330	385	309				
	13472	409	357				
HTFC-II-22A-a HTFC-II-22B	26376	558	420	780	4/6P-9.5/3.1	70	541
	22608	621	520				
	17898	660	596				
	17246	239	180	510		66	
	14782	265	222				
	11703	282	255				

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of HTFC-II Fan
HTFC-II 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 記用电机 Power 极·功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-II-22A-b HTFC-II-22B	30053	661	482	870	4/6P-12/4	72	562
	24875	762	640				
	20730	801	715				
	19693	284	207	570		68	
	16298	327	274				
	13582	344	307				
HTFC-II-22A-c HTFC-II-22B	32007	730	527	940	4/6P-15.5/5.1	73	598
	26673	856	715				
	21338	915	824				
	21111	318	230	620		69	
	17593	372	311				
	14074	393	359				
HTFC-II-22A-d HTFC-II-22B	35412	893	645	1040	4/6P-18/6.2	74	605
	29510	1048	875				
	23603	1119	1009				
	23154	382	276	680		70	
	19295	443	374				
	15436	478	431				
HTFC-II-25A-a HTFC-II-25B	35595	583	417	680	4/6P-12/4	71	702
	30510	645	519				
	23391	687	613				
	23189	250	177	443		67	
	19876	274	221				
	15239	292	261				
HTFC-II-25A-b HTFC-II-25B	39375	720	510	750	4/6P-15.5/5.1	72	759
	33750	789	635				
	25875	841	750				
	25725	307	218	490		68	
	22050	337	271				
	16905	359	320				
HTFC-II-25A-c HTFC-II-25B	42525	840	595	810	4/6P-18/6.2	73	775
	35235	932	765				
	26730	982	885				
	27930	362	257	532		69	
	23142	402	330				
	17556	424	382				
HTFC-II-25A-d HTFC-II-25B	44609	872	603	840	4/6P-24/8.5	74	768
	37174	991	804				
	28500	1055	946				
	29208	374	259	550		70	
	24340	425	345				
	1866·	452	405				
HTFC-II-27.5A-a HTFC-II-27.5B	38628	541	399	540	6/8P-13/6.5	74	745
	33408	582	476				
	28188	605	530				
	28613	297	219	400		70	
	24747	319	261				
	20880	332	290				

Performance Parameter Table Of HTFC-II Fan
HTFC-II 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配月电机 Power 极·功率 (tW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-II-27.5A-b HTFC-II-27.5B	47386	764	550	650	4/6P-18/6.2	75	805
	39904	838	686				
	33669	871	763				
	31129	330	238	427		71	
	26214	362	297				
	22118	376	329				
HTFC-II-27.5A-c HTFC-II-27.5B	49358	884	652	690	4/6P-24/8.5	76	846
	42688	951	777				
	36018	989	865				
	32405	381	281	453		72	
	28026	410	335				
	23647	426	373				
HTFC-II-27.5A-d HTFC-II-27.5B	52219	989	729	730	4/6P-33/11	78	846
	45163	1064	870				
	38106	1107	968				
	34336	428	316	480		74	
	29696	460	376				
	25056	479	419				
HTFC-II-30A-a HTFC-II-30B	52256	605	425	570	6/8P-17/8.5	73	921
	42925	686	564				
	33593	708	633				
	38504	328	230	420		69	
	31629	372	306				
	24753	384	344				
HTFC-II-30A-b HTFC-II-30B	57394	765	547	620	6/8P-21/11	74	956
	46766	849	705				
	36137	868	782				
	42583	421	301	460		70	
	34697	467	387				
	26811	478	431				
HTFC-II-30A-c HTFC-II-30B	63180	860	596	680	4/6P-33/11	75	972
	51898	969	791				
	40616	996	887				
	41810	377	262	450		71	
	34344	424	346				
	26878	436	388				
HTFC-II-30A-d HTFC-II-30B	68829	945	632	710	4/6P-38/13	75	997
	56962	1047	833				
	45095	1085	951				
	45563	414	277	470		71	
	37707	459	365				
	29852	475	416				
HTFC-II-36A-a HTFC-II-36B	76697	607	416	460	6/8P-21/11	76	800
	63603	688	556				
	48637	700	623				
	56689	332	227	340		72	
	47011	376	304				
	35949	382	340				

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of HTFC-II Fan
HTFC-II 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极·功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-II-36A-b HTFC-II-36B	84460	722	490	510	6/3P-30/15	77	985
	67980	823	673				
	50388	823	745				
	62931	401	272	380		73	
	50652	457	374				
	37544	460	414				
HTFC-II-36A-c HTFC-II-36B	90200	807	542	550	6/8P-37/22	78	1170
	72600	919	748				
	52800	924	833				
	65600	427	287	400		74	
	52800	463	377				
	38400	489	441				
HTFC-II-40A-d HTFC-II-40B	87970	661	502	440	6/3P-30/15	79	1520
	70805	853	750				
	53640	816	757				
	63973	350	266	320		75	
	51495	451	396				
	3901·	432	401				
HTFC-II-40A-c HTFC-II-40B	95448	778	591	480	6/8P-37/22	80	1490
	76824	1004	883				
	58200	960	890				
	69598	414	314	350		76	
	56018	534	469				
	42438	510	473				
HTFC-II-40A-b HTFC-II-40B	101352	861	650	510	6/8P-45/22	81	1620
	81576	1112	975				
	61800	1063	984				
	75517	473	361	380		77	
	60782	617	541				
	46047	590	546				
HTFC-II-40A-a HTFC-II-40B	112317	932	673	560	6/8P-55/28	82	1670
	90924	1243	1073				
	69530	1215	1116				
	84233	524	378	420		78	
	68193	679	583				
	52148	683	627				

Curve Indication
七、曲线说明

Example of curve selection:

Airflow rate: 340Cm³/h total pressure: 380Pa

Step 1: pre-selec: the fan that meets the given airflow rate, draw a vertical line from the given airflow rate point (point A: 3400m³/h) and a horizontal line from the given total pressure point (point D: 380Pa). The intersection point (point W) of the two lines is the working condition point. Because the nearest performance curve is far away from point W, select another fan model and repeat the first step until you find a closer performance curve.

Step 2: W1 is a intersection point of the above vertical line and the shaft power curve of the corresponding fan speed. Draw a horizontal line from the W1 point and intersects with the shaft power curve and the intersection point (C: about 0.625kw) implies the actual power consumption which means the electric energy required for fan operating. Therefore, 0.75kw shall be selected.

Step 3: W2 is a intersection point of the vertical line A and the corresponding sound pressure curve. Draw a horizontal line from the W2 pont and intersects with the sound pressure line and the intersection point B implies the sound pressure about 58 Pa.

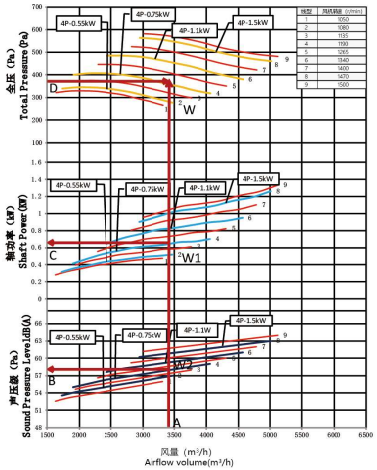
曲线选型举例：

风量：3400m³/h　全压：380Pa

第一步：先预选顶满足给定风量的风机型号，自给定的风量（图 A 点：3400m³/h）出发作垂直线，自给定全压点（图 D 点：380Pa）作水平线。其交点（W 点）即为“工作点”，寻找离该点最接近的性能曲线较远，请选择其他型号重复“第一步”直到找到比较接近“工作点”的性能曲线。

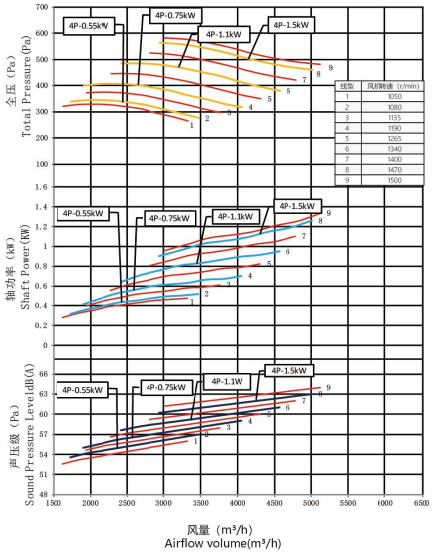
第二步：该垂直线与相应转速的轴功率曲线的交点（图 W1 点），自此交点（图 W1 点）做水平线与轴功率曲线相交，其交点（图 C 点：约为 0.625kW），即为实际功耗，代表工作所需的电能，根据所需功率应选择 0.75kW。

第三步：该垂直线 A 与相应声压级曲线的交点（图 W2 点）此交点（图 W2 点）做水平线与声压级线相交，其交点图 B 点为 58Pa。

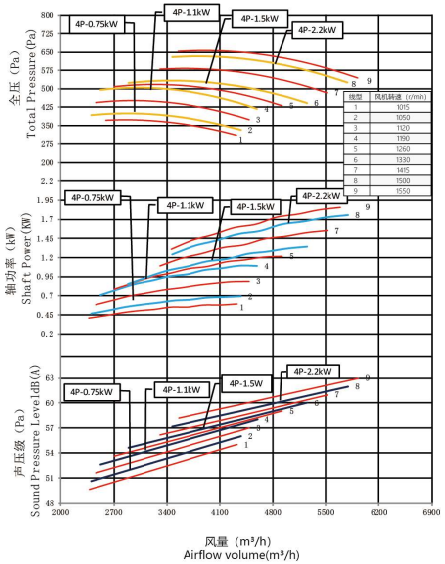


Performance Curve Of HTFC-I and II Fan
八、HTFC-Ⅰ、Ⅱ性能曲线

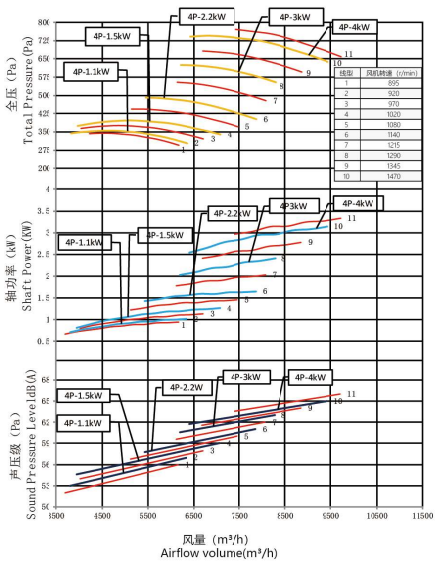
HTFC-I-9A/B



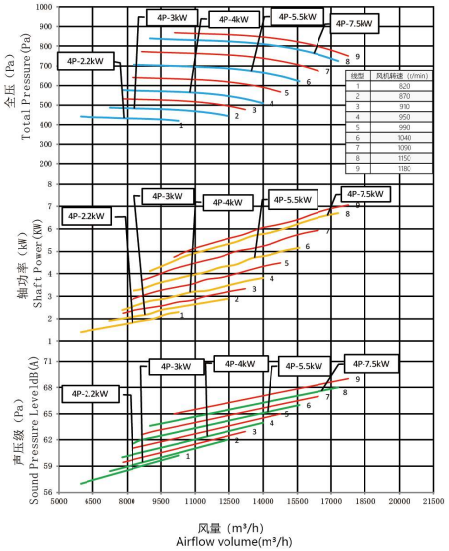
HTFC-I-10A/B



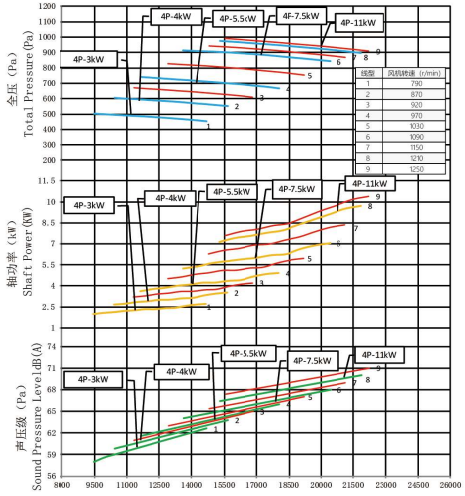
HTFC-I-12A/B



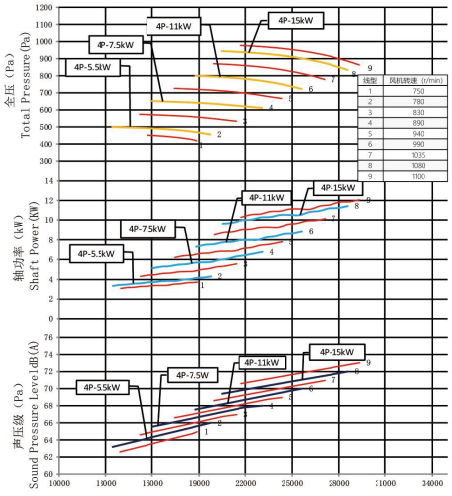
HTFC-I-15A/B



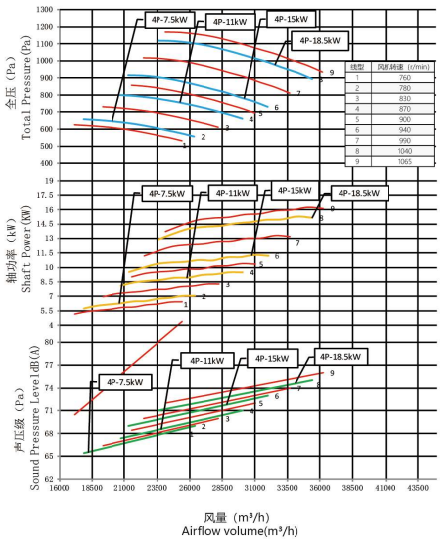
HTFC-I-18A/B



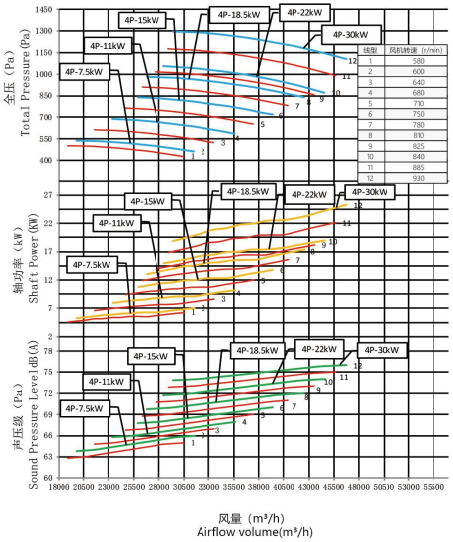
HTFC-I-20A/B



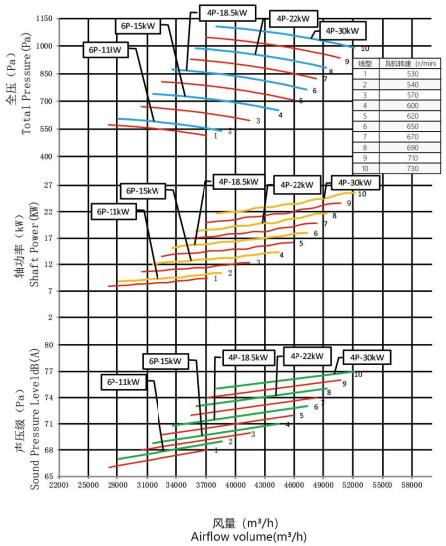
HTFC-I-22A/B



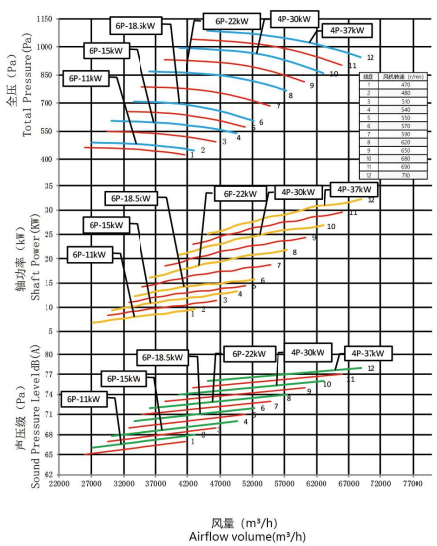
HTFC-I-25A/B



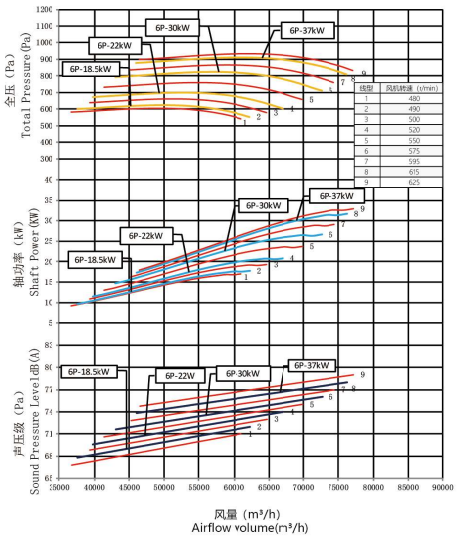
HTFC-I-27.5A/B



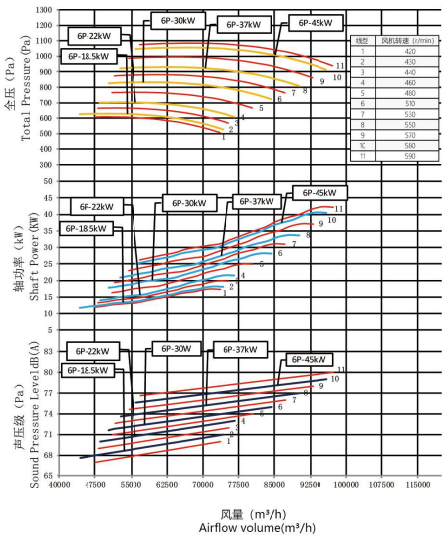
HTFC-I-30A/B



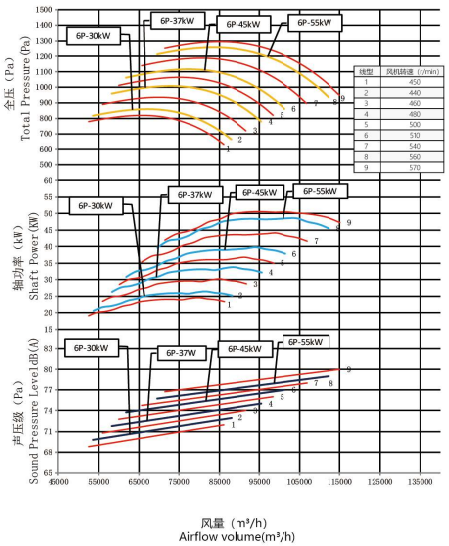
HTFC-I-33A/B



HTFC-I-36A/B



HTFC-I-40A/B



Outline Dimension of HTFC-I and II Low-noise Cabinet Fan

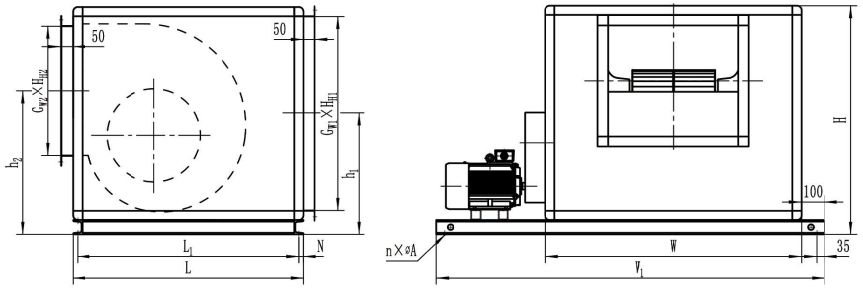
九、HTFC-Ⅰ、Ⅱ低噪声柜式风机外形尺寸

Outlines of A type (low-noise cabinet fan<external motor >)

(一) A式离心式消防排烟风机（低噪声柜式风机＜电机外置＞）风机外形图

0° inlet & 0° upper outlet, facing outlet and motor is placed on the left side of fan housing

1、0°进风 0°上出风，面对出风口，电机左置：



Outline dimensions of A type (low-noise cabinet fan<external motor>)

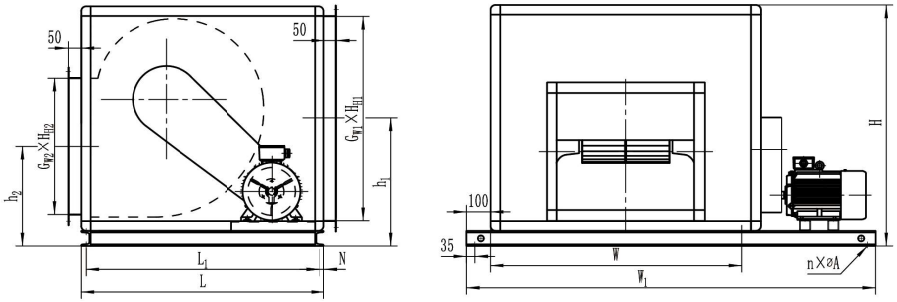
A型离心式消防排烟风机（低噪声柜式风机＜电机外置＞）外形尺寸表

尺寸size / 机型model	L	L_1	W	W_1				
				Y80-90	Y100-132	Y160-180	Y200-225	Y250-280
HTFC-Ⅰ、Ⅱ-9A	640	600	640	1205				
HTFC-Ⅰ、Ⅱ-10A	673	633	700	1265	1390			
HTFC-Ⅰ、Ⅱ-12A	740	700	760	1325	1450			
HTFC-Ⅰ、Ⅱ-15A	841	800	880		1610	1350		
HTFC-Ⅰ、Ⅱ-18A	942	897	1000		1730	1970		
HTFC-Ⅰ、Ⅱ-20A	1005	960	1120		1850	2075		
HTFC-Ⅰ、Ⅱ-22A	1102	1057	1240		1970	2195		
HTFC-Ⅰ、Ⅱ-25A	1190	1145	1330		2110	2335	2450	
HTFC-Ⅰ、Ⅱ-27.5A	1277	1232	1520			2475	2575	
HTFC-Ⅰ、Ⅱ-30A	1371	1326	1630			2585	2685	
HTFC-Ⅰ、Ⅱ-33A	1480	1435	1730			2700	2785	2985
HTFC-Ⅰ、Ⅱ-35A	1565	1520	1950				3005	3205
HTFC-Ⅰ、Ⅱ-40A	1735	1690	2100				3155	3355

尺寸size / 机型model	进风口 Inlet		出风口 Outlet		h_1	h_2	ΦA	n	H
	G_{W1}	H_{H1}	G_{W2}	H_{H2}					
HTFC-Ⅰ、Ⅱ-9A	560	460	320	320	320	329	14.5	5	590
HTFC-Ⅰ、Ⅱ-10A	620	502	360	360	341	351	14.5	5	632
HTFC-Ⅰ、Ⅱ-12A	680	588	420	420	384	407	14.5	5	718
HTFC-Ⅰ、Ⅱ-15A	800	718	500	500	449	488	14.5	5	848
HTFC-Ⅰ、Ⅱ-18A	920	825	580	580	513	575	14.5	5	965
HTFC-Ⅰ、Ⅱ-20A	1040	902	640	640	551	646	14.5	6	1042
HTFC-Ⅰ、Ⅱ-22A	1160	990	700	700	595	697	14.5	6	1130
HTFC-Ⅰ、Ⅱ-25A	1300	1103	770	770	672	785	16.5	6	1263
HTFC-Ⅰ、Ⅱ-27.5A	1420	1190	840	840	725	857	16.5	6	1370
HTFC-Ⅰ、Ⅱ-30A	1530	1310	920	920	785	930	16.5	6	1490
HTFC-Ⅰ、Ⅱ-33A	1630	1447	1010	1010	874	1048	19.0	6	1647
HTFC-Ⅰ、Ⅱ-35A	1850	1543	1120	1075	922	1110	19.5	6	1743
HTFC-Ⅰ、Ⅱ-40A	2000	1748	1220	1240	1024	1230	19.5	6	1948

0° inlet & 0° lower outlet, facing outlet and motor is placed on the left side of fan housing

2、0°进风 0°下出风，面对出风口，电机右置：



Outline dimensions of A type (low-noise cabinet fan<external motor>)

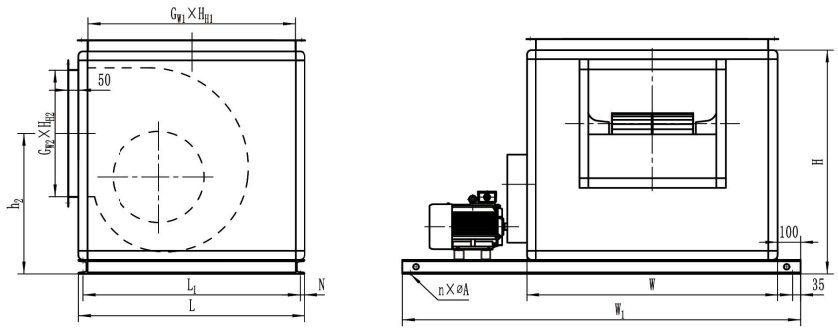
A型离心式消防排烟风机（低噪声柜式风机＜电机外置＞）外形尺寸表

尺寸size / 机型model	L	L_1	W	W_1				
				Y80-90	Y100-132	Y160-180	Y200-225	Y250-280
HTFC-Ⅰ、Ⅱ-9A	640	500	640	1205				
HTFC-Ⅰ、Ⅱ-10A	673	533	700	1265	1390			
HTFC-Ⅰ、Ⅱ-12A	740	700	760	1325	1450			
HTFC-Ⅰ、Ⅱ-15A	841	800	880		1610	1850		
HTFC-Ⅰ、Ⅱ-18A	942	897	1000		1730	1970		
HTFC-Ⅰ、Ⅱ-20A	1005	960	1120		1850	2075		
HTFC-Ⅰ、Ⅱ-22A	1102	1057	1240		1970	2195		
HTFC-Ⅰ、Ⅱ-25A	1190	1145	1380		2110	2335	2450	
HTFC-Ⅰ、Ⅱ-27.5A	1277	1232	1520			2475	2575	
HTFC-Ⅰ、Ⅱ-30A	1371	1326	1630			2585	2685	
HTFC-Ⅰ、Ⅱ-33A	1480	1435	1730			2700	2785	2985
HTFC-Ⅰ、Ⅱ-36A	1565	1520	1950				3005	3205
HTFC-Ⅰ、Ⅱ-40A	1735	1690	2100				3155	3355

尺寸size / 机型model	进风口 Inlet		出风口 Outlet		h_1	h_2	ΦA	n	H
	G_{W1}	H_{H1}	G_{W2}	H_{H2}					
HTFC-Ⅰ、Ⅱ-9A	560	460	320	320	320	250	14.5	5	590
HTFC-Ⅰ、Ⅱ-10A	620	502	360	360	341	270	14.5	5	632
HTFC-Ⅰ、Ⅱ-12A	680	588	420	420	384	300	14.5	5	718
HTFC-Ⅰ、Ⅱ-15A	800	713	500	500	449	340	14.5	5	848
HTFC-Ⅰ、Ⅱ-18A	920	825	580	580	513	390	14.5	5	965
HTFC-Ⅰ、Ⅱ-20A	1040	902	640	640	551	420	14.5	6	1042
HTFC-Ⅰ、Ⅱ-22A	1160	990	700	700	595	450	14.5	6	1130
HTFC-Ⅰ、Ⅱ-25A	1300	1103	770	770	672	505	16.5	6	1263
HTFC-Ⅰ、Ⅱ-27.5A	1420	1190	840	840	725	550	16.5	6	1370
HTFC-Ⅰ、Ⅱ-30A	1530	1310	920	920	785	590	16.5	6	1490
HTFC-Ⅰ、Ⅱ-33A	1630	1447	1010	1010	874	555	19.0	6	1647
HTFC-Ⅰ、Ⅱ-36A	1850	1543	1120	1075	922	588	19.5	6	1743
HTFC-Ⅰ、Ⅱ-40A	2000	1748	1220	1240	1024	770	19.5	6	1948

90° inlet & 0° upper outlet, facing outlet and motor is placed on the left side of fan housing

3、90°进风 0°上出风，面对出风口，电机左置：



Outline dimensions of A type (low-noise cabinet fan<external motor>)

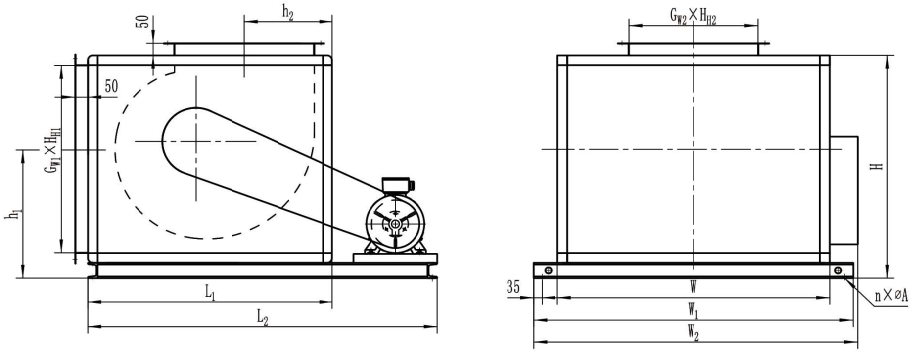
A 型离心式消防排烟风机（低噪声柜式风机 < 电机外置 >）外形尺寸表

尺寸size / 机型model	L	L_1	W	W_1				
				Y80-90	Y100-132	Y160-180	Y200-225	Y250-280
HTFC-I、II-9A	640	600	640	1205				
HTFC-I、II-10A	673	633	700	1265	1390			
HTFC-I、II-12A	740	700	760	1325	1450			
HTFC-I、II-15A	841	800	880		1610	1350		
HTFC-I、II-18A	942	897	1000		1730	1970		
HTFC-I、II-20A	1005	960	1120		1850	2075		
HTFC-I、II-22A	1102	1057	1240		1970	2195		
HTFC-I、II-25A	1190	1145	1330		2110	2335	2450	
HTFC-、II-27.5A	1277	1232	1520			2475	2575	
HTFC-I、II-30A	1371	1326	1630			2585	2685	
HTFC-I、II-33A	1480	1435	1730			2700	2785	2985
HTFC-I、II-35A	1565	1520	1950				3005	3205
HTFC-I、II-40A	1735	1690	2100				3155	3355

尺寸size / 机型model	进风口 Inlet		出风口 Outlet		h_1	h_2	ΦA	n	H
	G_{W1}	H_{H1}	G_{W2}	H_{H2}					
HTFC-I、II-9A	560	560	320	320	320	329	14.5	5	590
HTFC-I、II-10A	620	593	360	360	337	351	14.5	5	632
HTFC-I、II-12A	680	660	420	420	370	407	14.5	5	718
HTFC-I、II-15A	800	761	500	500	421	488	14.5	5	848
HTFC-I、II-18A	920	862	580	580	471	575	14.5	5	965
HTFC-I、II-20A	1040	925	640	640	503	646	14.5	6	1042
HTFC-I、II-22A	1160	1022	700	700	551	697	14.5	6	1130
HTFC-I、II-25A	1300	1110	770	770	595	785	16.5	6	1263
HTFC-、II-27.5A	1420	1177	840	840	639	857	16.5	6	1370
HTFC-I、II-30A	1530	1271	920	920	686	930	16.5	6	1490
HTFC-I、II-33A	1630	1380	1010	1010	740	1048	19.0	6	1647
HTFC-I、II-35A	1850	1465	1120	1075	783	1110	19.5	6	1743
HTFC-I、II-40A	2000	1635	1220	1240	868	1230	19.5	6	1948

0° inlet & 90° outlet, facing outlet and motor is placed on the back of fan housing

4、0°进风 90°出风，面对进风口，电机后置：



Outline dimensions of A type (low-noise cabinet fan<external motor>)

A 型离心式消防排烟风机（低噪声柜式风机 < 电机外置 >）外形尺寸表

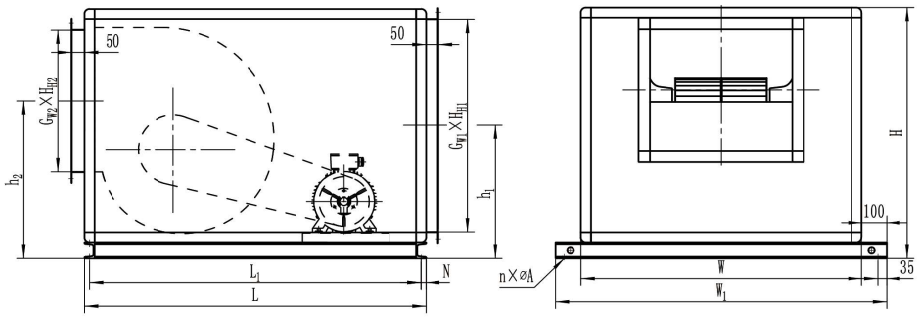
尺寸size / 机型model	L_1	h_1	h_2	L_2				
				Y80-90	Y100-132	Y160-180	Y200-225	Y250-280
HTFC-I、II-9A	665	275	200	1065				
HTFC-I、II-10A	707	295	220	1107	1207			
HTFC-I、II-12A	793	327	250	1193	1293			
HTFC-I、II-15A	913	380	290		1413	1513		
HTFC-I、II-18A	1030	434	330		1530	1630		
HTFC-I、II-20A	1107	477	360		1607	1707		
HTFC-I、II-22A	1195	523	390		1695	1795		
HTFC-I、II-25A	1298	588	425		1798	1898	2048	
HTFC-I、II-27.5A	1405	532	470			2005	2155	
HTFC-I、II-30A	1525	679	510			2125	2275	
HTFC-I、II-33A	1662	755	555			2262	2412	2547
HTFC-I、II-36A	1755	798	588				2505	2640
HTFC-I、II-40A	1963	871	670				2713	2848

尺寸size / 机型model	进风口 Inlet		出风口 Outlet		n	ΦA	W	W_1	H
	G_{W1}	H_{H1}	G_{W2}	H_{H2}					
HTFC-I、II-9A	560	369	320	320	4	14.5	640	840	494
HTFC-I、II-10A	620	409	360	360	4	14.5	700	900	539
HTFC-I、II-12A	680	474	420	420	4	14.5	760	960	604
HTFC-I、II-15A	800	579	500	500	4	14.5	880	1080	709
HTFC-I、II-18A	920	667	580	580	4	14.5	1000	1200	807
HTFC-I、II-20A	1040	754	640	640	6	14.5	1120	1320	894
HTFC-I、II-22A	1160	846	700	700	6	14.5	1240	1440	986
HTFC-I、II-25A	1300	936	770	770	6	16.5	1380	1580	1096
HTFC-I、II-27.5A	1420	1003	840	840	6	16.5	1520	1720	1183
HTFC-I、II-30A	1530	1097	920	920	6	16.5	1630	1830	1277
HTFC-I、II-33A	1630	1209	1010	1010	6	19.0	1730	1930	1409
HTFC-I、II-36A	1850	1296	1120	1075	6	19.5	1950	2150	1496
HTFC-I、II-40A	2000	1441	1220	1240	6	19.5	2100	2300	1641

Outlines of b type (low-noise cabinet fan<internal motor>)

（二）B 式离心式消防排烟风机（低噪声柜式风机 < 电机内置 >）风机外形图

0° inlet & C° upper outlet 1、0°进风 0°上出风：



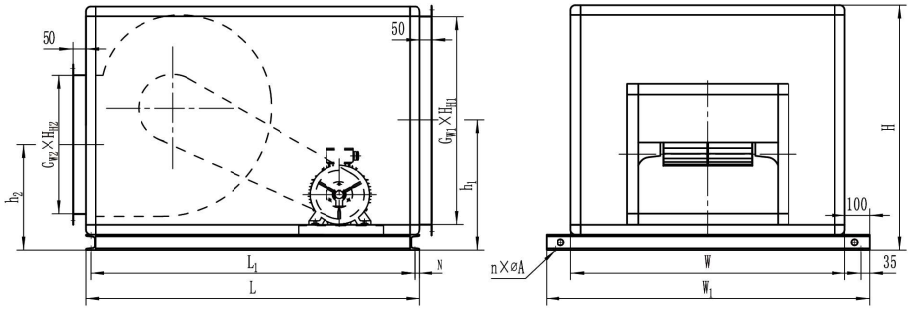
Outline dimensions of B type (low-noise cabinet fan<internal motor>)

B 型离心式消防排烟风机（低噪声柜式风机 < 电机内置 >）外形尺寸表

尺寸size / 机型model	L	L_1	W	W_1	H	ΦA
HTFC-Ⅰ、Ⅱ-9B(直联)	870(500)	830(460)	640(630)	840(830)	590(490)	14.5
HTFC-Ⅰ、Ⅱ-10B（直联）	1000(600)	960(560)	700(730)	900(930)	632(630)	14.5
HTFC-Ⅰ、Ⅱ-12B	1110	1070	760	960	718	14.5
HTFC-Ⅰ、Ⅱ-15B(Y160)	1170(1270)	1130(1230)	880	1080	848	14.5
HTFC-Ⅰ、Ⅱ-18B(Y160)	1260(1360)	1220(1315)	1000	1200	965	14.5
HTFC-Ⅰ、Ⅱ-20B	1435	1390	1120	1320	1042	14.5
HTFC-Ⅰ、Ⅱ-22B	1530	1485	1240	1440	1130	14.5
HTFC-Ⅰ、Ⅱ-25B	1760	1715	1380	1580	1263	16.5
HTFC-Ⅰ、Ⅱ-27.5B	1850	1805	1520	1720	1370	16.5
HTFC-Ⅰ、Ⅱ-30B	1945	1900	1630	1830	1490	16.5
HTFC-Ⅰ、Ⅱ-33B	2235	2190	1730	1930	1647	19.5
HTFC-Ⅰ、Ⅱ-36B	2270	2225	1950	2150	1743	19.5
HTFC-Ⅰ、Ⅱ-40B	2440	2395	2100	2300	1948	19.5

尺寸size / 机型model	进风口 Inlet		出风口 Outlet		h_1	h_2	n
	Gw_1	Hh_1	Gw_2	Hh_2			
HTFC-Ⅰ、Ⅱ-9B(直联)	560(550)	460(360)	320(350)	320(200)	320(270)	329(300)	4
HTFC-Ⅰ、Ⅱ-10B(直联)	620(650)	502(500)	360(320)	360(310)	341(340)	351(385)	4
HTFC-Ⅰ、Ⅱ-12B	680	588	420	420	384	407	4
HTFC-Ⅰ、Ⅱ-15B	800	718	500	500	449	488	4
HTFC-Ⅰ、Ⅱ-18B	920	825	580	580	513	575	4
HTFC-Ⅰ、Ⅱ-20B	1040	902	640	640	551	646	4
HTFC-Ⅰ、Ⅱ-22B	1160	990	700	700	595	697	4
HTFC-Ⅰ、Ⅱ-25B	1300	1103	770	770	672	785	4
HTFC-Ⅰ、Ⅱ-27.5B	1420	1190	840	840	725	857	6
HTFC-Ⅰ、Ⅱ-30B	1530	1310	920	920	785	930	6
HTFC-Ⅰ、Ⅱ-33B	1630	1447	1010	1010	874	1048	6
HTFC-Ⅰ、Ⅱ-36B	1850	1543	1120	1075	922	1110	6
HTFC-Ⅰ、Ⅱ-40B	2000	1748	1220	1240	1024	1230	6

0° inlet & 0° lower outlet 2、0°进风 0°下出风：



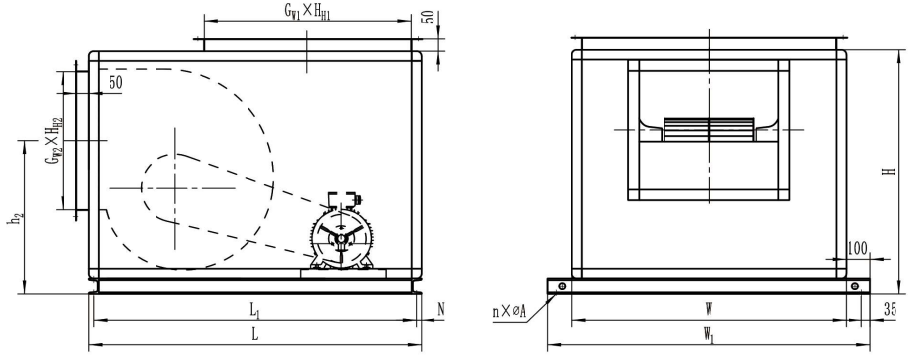
Outline cimensions of B type (low-noise cabinet fan<internal motor>)

B 型离心式消防排烟风机（低噪声柜式风机 < 电机内置 >）外形尺寸表

尺寸size / 机型model	L	L_1	W	W_1	H	ΦA
HTFC-Ⅰ、Ⅱ-9B(直联)	870(500)	830(460)	640(630)	840(830)	590(490)	14.5
HTFC-Ⅰ、Ⅱ-10B（直联）	1000(600)	960(560)	700(730)	900(930)	632(630)	14.5
HTFC-Ⅰ、Ⅱ-12B	1110	1070	760	960	718	14.5
HTFC-Ⅰ、Ⅱ-15B(Y160)	1170(1270)	1130(1230)	880	1080	848	14.5
HTFC-Ⅰ、Ⅱ-18B(Y160)	1260(1360)	1220(1315)	1000	1200	965	14.5
HTFC-Ⅰ、Ⅱ-20B	1435	1390	1120	1320	1042	14.5
HTFC-Ⅰ、Ⅱ-22B	1530	1485	1240	1440	1130	14.5
HTFC-Ⅰ、Ⅱ-25B	1760	1715	1380	1580	1263	16.5
HTFC-Ⅰ、Ⅱ-27.5B	1850	1805	1520	1720	1370	16.5
HTFC-Ⅰ、Ⅱ-30B	1945	1900	1630	1830	1490	16.5
HTFC-Ⅰ、Ⅱ-33B	2235	2190	1730	1930	1647	19.5
HTFC-Ⅰ、Ⅱ-36B	2270	2225	1950	2150	1743	19.5
HTFC-Ⅰ、Ⅱ-40B	2440	2395	2100	2300	1948	19.5

尺寸size / 机型model	进风口 Inlet		出风口 Outlet		h_1	h_2	n
	Gw_1	Hh_1	Gw_2	Hh_2			
HTFC-Ⅰ、Ⅱ-9B(直联)	560(550)	460(360)	320(350)	320(200)	320(270)	250(300)	4
HTFC-Ⅰ、Ⅱ-10B(直联)	620(650)	502(500)	360(320)	360(310)	341(340)	270(385)	4
HTFC-Ⅰ、Ⅱ-12B	680	588	420	420	384	300	4
HTFC-Ⅰ、Ⅱ-15B	800	718	500	500	449	340	4
HTFC-Ⅰ、Ⅱ-18B	920	825	580	580	513	390	4
HTFC-Ⅰ、Ⅱ-20B	1040	902	640	640	551	420	4
HTFC-Ⅰ、Ⅱ-22B	1160	990	700	700	595	450	4
HTFC-Ⅰ、Ⅱ-25B	1300	1103	770	770	672	505	4
HTFC-Ⅰ、Ⅱ-27.5B	1420	1190	840	840	725	550	6
HTFC-Ⅰ、Ⅱ-30B	1530	1310	920	920	785	590	6
HTFC-Ⅰ、Ⅱ-33B	1630	1447	1010	1010	874	655	6
HTFC-Ⅰ、Ⅱ-36B	1850	1543	1120	1075	922	688	6
HTFC-Ⅰ、Ⅱ-40B	2000	1748	1220	1240	1024	770	6

90° inlet & 0° upper outlet 3、90°进风 0°上出风:



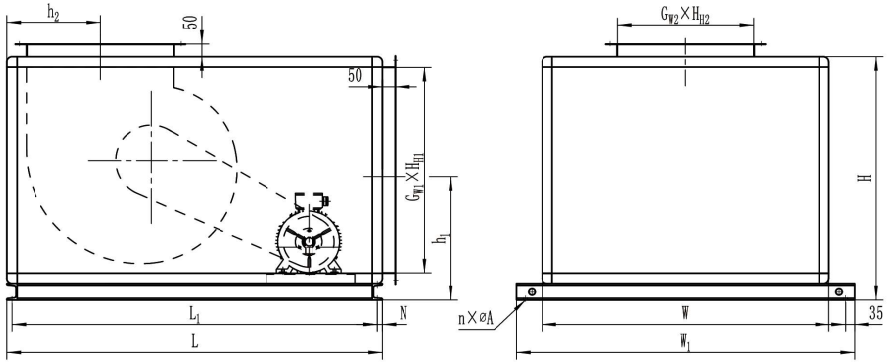
Outline dimensions of B type (low-noise cabinet fan<internal motor>)

B 型离心式消防排烟风机（低噪声柜式风机 < 电机内置 > ）外形尺寸表

尺寸size / 机型model	L	L1	W	W1	H	ΦA
HTFC-Ⅰ、Ⅱ-9B(直联)	870(500)	830(460)	640(630)	840(830)	590(490)	14.5
HTFC-Ⅰ、Ⅱ-10B（直联）	1000(600)	960(560)	700(730)	900(930)	632(630)	14.5
HTFC-Ⅰ、Ⅱ-12B	1110	1070	760	960	718	14.5
HTFC-Ⅰ、Ⅱ-15B(Y160)	1170(1270)	1130(1230)	880	1080	848	14.5
HTFC-Ⅰ、Ⅱ-18B(Y160)	1260(1360)	1220(1315)	1000	1200	965	14.5
HTFC-Ⅰ、Ⅱ-20B	1435	1390	1120	1320	1042	14.5
HTFC-Ⅰ、Ⅱ-22B	1530	1485	1240	1440	1130	14.5
HTFC-Ⅰ、Ⅱ-25B	1760	1715	1380	1580	1263	16.5
HTFC-Ⅰ、Ⅱ-27.5B	1850	1805	1520	1720	1370	16.5
HTFC-Ⅰ、Ⅱ-30B	1945	1900	1630	1830	1490	16.5
HTFC-Ⅰ、Ⅱ-33B	2235	2190	1730	1930	1647	19.5
HTFC-Ⅰ、Ⅱ-36B	2270	2225	1950	2150	1743	19.5
HTFC-Ⅰ、Ⅱ-40B	2440	2395	2100	2300	1948	19.5

尺寸size / 机型model	进风口 Inlet		出风口 Outlet		h1	h2	n
	Gw1	Hh1	Gw2	Hh2			
HTFC-Ⅰ、Ⅱ-9B(直联)	560(550)	460(360)	320(350)	320(200)	270(250)	329(300)	4
HTFC-Ⅰ、Ⅱ-10B(直联)	620(650)	502(500)	360(320)	360(310)	291(300)	351(385)	4
HTFC-Ⅰ、Ⅱ-12B	680	588	420	420	334	407	4
HTFC-Ⅰ、Ⅱ-15B	800	718	500	500	399	488	4
HTFC-Ⅰ、Ⅱ-18B	920	825	580	580	453	575	4
HTFC-Ⅰ、Ⅱ-20B	1040	902	640	640	491	646	4
HTFC-Ⅰ、Ⅱ-22B	1160	990	700	700	535	697	4
HTFC-Ⅰ、Ⅱ-25B	1300	1103	770	770	592	785	4
HTFC-Ⅰ、Ⅱ-27.5B	1420	1190	840	840	645	857	6
HTFC-Ⅰ、Ⅱ-30B	1530	1310	920	920	705	930	6
HTFC-Ⅰ、Ⅱ-33B	1630	1447	1010	1010	774	1048	6
HTFC-Ⅰ、Ⅱ-36B	1850	1543	1120	1075	822	1110	6
HTFC-Ⅰ、Ⅱ-40B	2000	1748	1220	1240	924	1230	6

0° inlet & 90° outlet 4、0°进 90°出风:



Outline cimensions of B type (low-noise cabinet fan<internal motor>)

B 型离心式消防排烟风机（低噪声柜式风机 < 电机内置 > ）外形尺寸表

尺寸size / 机型model	L	L1	W	W1	H	ΦA
HTFC-Ⅰ、Ⅱ-9B(直联)	943(500)	903(460)	640(630)	840(830)	499(430)	14.5
HTFC-Ⅰ、Ⅱ-10B（直联）	1087(600)	1047(560)	700(730)	900(930)	539(550)	14.5
HTFC-Ⅰ、Ⅱ-12B	1172	1132	760	960	604	14.5
HTFC-Ⅰ、Ⅱ-15B(Y160)	1250(1350)	1210(1310)	880	1080	709	14.5
HTFC-Ⅰ、Ⅱ-18B(Y160)	1370(1470)	1330(1425)	1000	1200	807	14.5
HTFC-Ⅰ、Ⅱ-20B	1587	1547	1120	1320	894	14.5
HTFC-Ⅰ、Ⅱ-22B	1635	1595	1240	1440	986	14.5
HTFC-Ⅰ、Ⅱ-25B	1885	1840	1380	1580	1096	16.5
HTFC-Ⅰ、Ⅱ-27.5B	2035	1990	1520	1720	1183	16.5
HTFC-Ⅰ、Ⅱ-30B	2110	2065	1630	1830	1277	16.5
HTFC-Ⅰ、Ⅱ-33B	2380	2335	1730	1930	1409	19.5
HTFC-Ⅰ、Ⅱ-36B	2475	2430	1950	2150	1496	19.5
HTFC-Ⅰ、Ⅱ-40B	2680	2635	2100	2300	1641	19.5

尺寸size / 机型model	进风口 Inlet		出风口 Outlet		h1	h2	n
	Gw1	Hh1	Gw2	Hh2			
HTFC-Ⅰ、Ⅱ-9B(直联)	560(550)	369(300)	320(350)	320(200)	275(240)	200(140)	4
HTFC-Ⅰ、Ⅱ-10B(直联)	620(650)	409(420)	360(320)	360(310)	295(300)	220(195)	4
HTFC-Ⅰ、Ⅱ-12B	680	474	420	420	327	250	4
HTFC-Ⅰ、Ⅱ-15B	800	579	500	500	380	290	4
HTFC-Ⅰ、Ⅱ-18B	920	667	580	580	434	330	4
HTFC-Ⅰ、Ⅱ-20B	1040	754	640	640	477	360	4
HTFC-Ⅰ、Ⅱ-22B	1160	846	700	700	523	390	4
HTFC-Ⅰ、Ⅱ-25B	1280	936	770	770	588	425	4
HTFC-Ⅰ、Ⅱ-27.5B	1420	1003	840	840	632	470	6
HTFC-Ⅰ、Ⅱ-30B	1530	1097	920	920	679	510	6
HTFC-Ⅰ、Ⅱ-33B	1630	1209	1010	1010	755	550	6
HTFC-Ⅰ、Ⅱ-36B	1850	1296	1120	1075	798	588	6
HTFC-Ⅰ、Ⅱ-40B	2000	1441	1220	1240	871	670	6

Performance Parameter
十、性能参数

Performance Parameter Table Of HTFC-III Fan
HTFC-III 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-315A-e HTFC-III-315B	2231	735	729	1900	2P/1.1	61	185
	2789	689	679				
	3347	631	617				
	3904	563	544				
	4462	487	462				
	5020	404	373				
	5578	315	277				
HTFC-III-315A-f HTFC-III-315B	2471	901	894	2100	2P/1.5	64	190
	3089	845	834				
	3707	774	757				
	4325	691	668				
	4942	598	568				
	5560	495	457				
	6178	386	339				
HTFC-II-315A-g HTFC-II-315B	2811	1166	1157	2400	2P/2.2	66	200
	3514	1094	1079				
	4216	1002	980				
	4919	894	854				
	5622	774	735				
	6324	640	591				
	7027	499	438				
HTFC-III-315A-h HTFC-III-315B	3110	1417	1405	2650	2P/3	68	205
	3887	1329	1311				
	4664	1217	1190				
	5442	1086	1049				
	6219	940	892				
	6996	778	718				
	7774	607	532				
HTFC-III-355A-f HTFC-III-355B	2558	573	558	1550	4P/1.1	61	200
	3272	549	541				
	3969	512	500				
	4643	466	448				
	5316	411	388				
	5990	349	320				
	6664	283	247				
HTFC-III-355A-g HTFC-III-355B	2853	713	706	1750	2P/1.5	63	205
	3649	683	672				
	4427	637	621				
	5178	579	558				
	5930	511	482				
	6682	434	398				
	7433	352	308				
HTFC-III-355A-h HTFC-III-355B	3230	914	905	2000	2P/2.2	66	210
	4131	876	852				
	5012	817	787				
	5863	743	715				
	6714	655	618				
	7565	556	510				
	8416	451	394				

Performance Parameter Table Of HTFC-III Fan
HTFC-III 性能参数表

Type 型号	Ar Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-355A-i HTFC-III-355B	3591	1129	1119	2200	2P/3	69	215
	4593	1082	1065				
	5571	1009	984				
	6517	918	884				
	7464	809	764				
	8410	688	631				
	9356	558	487				
HTFC-III-355A-j HTFC-III-355B	3951	1367	1355	2400	2P/4	71	220
	5054	1311	1290				
	6131	1222	1192				
	7172	1111	1070				
	8213	980	926				
	9254	833	764				
	10296	675	590				
HTFC-III-400A-f HTFC-III-400B	3860	640	631	1500	4P/1.5	62	320
	4805	601	589				
	5514	563	546				
	6223	516	495				
	7169	444	416				
	8114	363	328				
	8823	299	256				
HTFC-III-400A-g HTFC-III-400B	4380	823	813	1700	4P/2.2	64	325
	5453	774	758				
	6257	724	703				
	7062	665	637				
	8134	572	536				
	9207	468	422				
	10011	385	330				
HTFC-III-400A-h HTFC-III-400B	4859	1013	1000	1900	4P/3	67	330
	6049	953	933				
	6941	891	865				
	7834	818	784				
	9024	703	659				
	10214	576	519				
	11106	474	406				
HTFC-III-400A-i HTFC-III-400B	5353	1230	1214	2100	2P/4	69	360
	6664	1157	1132				
	7648	1082	1050				
	8631	993	952				
	9942	854	800				
	11253	699	630				
	12236	575	493				
HTFC-III-400A-j HTFC-III-400B	5953	1521	1502	2300	2P/5.5	71	380
	7410	1430	1400				
	8504	1338	1299				
	9597	1227	1177				
	11055	1056	989				
	12513	864	779				
	13606	711	610				

Performance Parameter Table Of HTFC-III Fan
HTFC-III 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-450A-g HTFC-III-450B	4831	631	623	1350	4P/1.5	61	320
	5636	590	579				
	6442	538	523				
	7247	475	457				
	8052	405	382				
	8857	330	302				
	9662	251	217				
HTFC-III-450A-h HTFC-III-450B	5600	821	810	1500	4P/2.2	64	325
	6533	767	752				
	7466	699	679				
	8400	618	593				
	9333	527	495				
	10266	429	392				
	11200	326	281				
HTFC-III-450A-i HTFC-III-450B	6084	992	979	1650	4P/3	66	330
	7098	928	910				
	8112	845	822				
	9126	747	717				
	10140	637	600				
	11154	519	475				
	12168	394	341				
HTFC-III-450A-j HTFC-III-450B	6700	1214	1198	1850	4P/4	68	335
	7816	1135	1113				
	8933	1034	1006				
	10049	914	878				
	11166	779	735				
	12283	635	581				
	13399	482	418				
HTFC-III-450A-k HTFC-III-450B	7449	1501	1481	2050	2P/5.5	70	360
	8691	1404	1377				
	9932	1279	1243				
	11174	1130	1086				
	12415	963	908				
	13657	785	719				
	14898	596	516				
HTFC-III-450A-m HTFC-III-450B	8280	1855	1830	2300	2P/7.5	73	380
	9660	1734	1701				
	11040	1580	1536				
	12420	1397	1341				
	13800	1190	1122				
	15180	970	898				
	16560	736	638				
HTFC-III-500A-h HTFC-III-500B	4545	641	636	1150	4P/2.2	64	405
	5519	619	612				
	6493	588	578				
	7792	533	519				
	9091	465	446				
	10389	385	360				
	11688	297	265				

Performance Parameter Table Of HTFC-III Fan
HTFC-III 性能参数表

Type 型号	Ar Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-500A-i HTFC-III-500B	5349	839	832	1350	4P/3	66	410
	6496	811	802				
	8024	754	739				
	9553	677	656				
	11081	584	556				
	12609	476	440				
	14138	357	311				
HTFC-III-500A-g HTFC-III-500B	6537	1253	1243	1600	4P/5.5	71	430
	7938	1211	1197				
	9805	1126	1104				
	11673	1012	980				
	13541	872	830				
	15408	711	657				
	17276	534	465				
HTFC-III-500A-j HTFC-III-500B	7250	1541	1529	1750	4P/7.5	73	440
	8804	1490	1472				
	10875	1385	1358				
	12947	1244	1206				
	15018	1073	1021				
	17090	875	808				
	19161	656	572				
HTFC-III-500A-k HTFC-III-500B	8065	1872	1857	1950	4P/11	75	480
	9793	1810	1788				
	11521	1718	1687				
	13825	1558	1514				
	16129	1360	1300				
	18434	1126	1047				
	20738	867	768				
HTFC-III-560A-i HTFC-III-560B	6728	726	719	1050	4P/3	66	440
	8223	697	687				
	9718	655	641				
	11214	600	581				
	12709	535	512				
	14204	463	434				
	16447	345	305				
HTFC-III-560A-j HTFC-III-560B	7401	878	870	1200	4P/4	68	445
	9046	844	832				
	10690	792	776				
	12335	726	704				
	13980	648	619				
	15624	560	525				
	18091	417	369				
HTFC-III-560A-f HTFC-III-560B	8227	1085	1075	1350	4P/5.5	70	480
	10055	1043	1028				
	11883	979	958				
	13711	897	869				
	15539	800	765				
	17367	692	648				
	19196	577	523				

Performance Parameter Table Of HTFC-III Fan
HTFC-III 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-560A-g HTFC-III-560B	9126	1335	1323	1500	4P/7.5	72	500
	11154	1283	1265				
	13182	1205	1179				
	15210	1114	1080				
	17238	1002	959				
	19266	883	829				
	21294	753	687				
HTFC-III-560A-h HTFC-III-560B	10367	1725	1709	1700	4P/11	74	540
	12671	1654	1631				
	14975	1556	1523				
	17279	1435	1391				
	19583	1294	1238				
	21887	1139	1069				
	24191	974	888				
HTFC-II-630A-j HTFC-II-630E	7858	608	603	850	4P/3	66	580
	9822	567	558				
	11787	524	511				
	13751	473	456				
	15716	418	395				
	17680	357	328				
	19644	288	252				
HTFC-III-630A-k HTFC-III-630E	8622	726	719	950	4P/4	68	590
	10778	677	656				
	12933	625	609				
	15089	565	544				
	17244	498	471				
	19400	426	391				
	21556	344	301				
HTFC-III-630A-m HTFC-III-630B	9601	900	891	1050	4P/5.5	70	620
	12001	840	826				
	14401	775	756				
	16802	700	674				
	19202	618	584				
	21602	528	485				
	24002	427	373				
HTFC-III-630A-g HTFC-III-630B	10667	1116	1105	1200	4P/7.5	73	630
	13333	1041	1024				
	16000	961	937				
	18667	868	836				
	21333	766	724				
	24000	655	601				
	26667	529	463				
HTFC-III-630A-h HTFC-III-630B	12133	1437	1424	1350	4P/11	75	675
	15167	1341	1320				
	18200	1238	1207				
	21233	1119	1077				
	24267	987	932				
	27300	843	774				
	30333	681	596				

Performance Parameter Table Of HTFC-III Fan
HTFC-III 性能参数表

Type 型号	Ar Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-630A-i HTFC-III-630B	13511	1782	1765	1500	4P/15	78	700
	16889	1663	1636				
	20267	1535	1497				
	23644	1387	1335				
	27022	1224	1156				
	30400	1046	960				
	33778	845	739				
HTFC-III-710A-k HTFC-III-710B	10780	771	764	850	4P/5.5	69	680
	14700	709	696				
	17640	648	630				
	19600	604	581				
	21560	554	526				
	24500	473	437				
	27440	387	343				
HTFC-III-710A-m HTFC-III-710B	12037	949	940	950	4P/7.5	71	690
	15319	894	880				
	18602	823	802				
	21885	743	715				
	25168	650	612				
	28450	548	500				
	30639	477	421				
HTFC-III-710A-g HTFC-III-710B	13614	1230	1219	1100	4P/11	74	730
	17326	1158	1140				
	21039	1067	1041				
	24752	963	927				
	28465	843	795				
	32178	711	650				
	34653	618	547				
HTFC-III-710A-h HTFC-III-710B	16531	1487	1470	1200	4P/15	76	760
	20664	1388	1363				
	24797	1269	1233				
	27552	1183	1138				
	30307	1085	1030				
	34440	926	856				
	38573	759	671				
HTFC-III-710A-i HTFC-III-710B	18085	1793	1773	1300	4P/18.5	78	780
	22606	1674	1644				
	27127	1531	1487				
	30142	1427	1373				
	33156	1308	1243				
	37677	1117	1033				
	42198	915	809				
HTFC-III-710A-j HTFC-III-710B	18950	1971	1950	1400	4P/22	79	830
	23688	1840	1807				
	28426	1683	1635				
	31584	1568	1509				
	34742	1438	1367				
	39480	1228	1135				
	44218	1006	890				

Performance Parameter Table Of HTFC-III Fan
HTFC-III 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-800A-n HTFC-III-800B	14347	767	759	800	6P/7.5	70	850
	18089	752	739				
	21832	719	700				
	25575	664	638				
	29317	587	553				
	33060	497	453				
	36802	391	338				
HTFC-III-800A-h HTFC-III-800B	16404	1003	992	900	4P/11	73	900
	20683	984	957				
	24963	939	915				
	29242	868	834				
	33521	768	724				
	37800	649	593				
	42080	511	441				
HTFC-III-800A-i HTFC-III-800B	18046	1214	1201	1000	4P/15	75	930
	22754	1190	1170				
	27462	1137	1107				
	32169	1050	1009				
	36877	929	876				
	41585	786	718				
	46292	619	534				
HTFC-III-800A-j HTFC-III-800B	19506	1403	1387	1100	4P/18.5	77	960
	24460	1376	1352				
	29521	1314	1279				
	34582	1213	1166				
	39643	1074	1012				
	44703	908	829				
	49764	715	617				
HTFC-III-800A-k HTFC-III-800B	20482	1563	1547	1150	4P/22	78	1010
	25826	1534	1507				
	31169	1465	1426				
	36512	1353	1300				
	41855	1197	1128				
	47199	1012	924				
	52542	797	638				
HTFC-III-800A-m HTFC-III-800B	22738	1927	1906	1250	4P/30	80	1080
	28670	1890	1857				
	34602	1805	1758				
	40533	1667	1602				
	46465	1476	1390				
	52397	1248	1139				
	58328	982	848				
HTFC-III-800A-p HTFC-III-800B	24422	2245	2221	1350	4P/37	82	1120
	30794	2202	2164				
	37165	2103	2048				
	43536	1942	1867				
	49907	1719	1621				
	56278	1454	1328				
	62649	1145	989				

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Performance Parameter Table Of HTFC-III Fan
HTFC-III 性能参数表

Type 型号	Ar Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-900A-n HTFC-III-900B	18097	829	821	750	6P/11	73	1030
	24020	800	785				
	28956	760	739				
	33891	708	679				
	38827	641	604				
	43763	562	514				
	48698	471	411				
HTFC-III-900A-h HTFC-III-900B	21262	1026	1014	850	4P/15	75	1060
	26761	984	966				
	32259	934	908				
	37758	870	834				
	43257	789	742				
	48756	691	631				
	54254	579	505				
HTFC-III-900A-i HTFC-III-900B	22850	1196	1183	900	4P/18.5	76	1090
	28760	1141	1120				
	34669	1078	1048				
	40579	1003	961				
	46488	912	857				
	52398	801	732				
	58307	666	580				
HTFC-III-900A-j HTFC-III-900B	24080	1329	1315	950	4P/22	78	1120
	30307	1269	1246				
	36535	1198	1165				
	42762	1116	1070				
	48990	1012	951				
	55217	887	810				
	61445	742	647				
HTFC-III-900A-k HTFC-III-900B	26898	1657	1639	1050	4P/30	80	1190
	33854	1583	1554				
	40810	1495	1453				
	47766	1392	1335				
	54723	1262	1187				
	61679	1106	1011				
	68635	926	808				
HTFC-III-900A-m HTFC-III-900B	28819	1909	1889	1100	4P/37	81	1230
	36272	1817	1784				
	43725	1717	1668				
	51178	1598	1533				
	58631	1449	1362				
	66084	1270	1160				
	73538	1063	927				
HTFC-III-900A-r HTFC-III-900B	30748	2143	2120	1200	4P/45	83	1310
	38700	2077	2039				
	46652	1973	1918				
	54604	1837	1762				
	62556	1665	1567				
	70508	1459	1334				
	78460	1222	1067				

Performance Parameter Table Of HTFC-III Fan
HTFC-III 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-900A-p HTFC-III-900B	31336	2487	2462	1300	4P/55	84	1390
	41592	2376	2332				
	50138	2257	2194				
	58684	2102	2015				
	67231	1905	1791				
	75777	1670	1525				
	84323	1398	1219				
HTFC-III-100CA-n HTFC-III-100CB	22165	972	954	700	6P/15	75	1200
	29988	918	903				
	36507	855	833				
	43026	777	747				
	49545	683	642				
	56064	573	520				
	62583	447	382				
HTFC- II-1000A-h HTFC- II-1000B	25255	1261	1250	800	6P/22	78	1260
	34169	1191	1171				
	41597	1109	1080				
	49025	1009	959				
	56452	886	833				
	63880	743	675				
	71308	580	495				
HTFC-III-1000A-i HTFC-III-1000B	29584	1546	1531	900	4P/30	80	1330
	37802	1472	1448				
	46019	1371	1336				
	54237	1247	1198				
	62455	1095	1030				
	70672	919	835				
	78890	717	613				
HTFC-III-1000A-j HTFC-III-1000B	33495	1764	1745	950	4P/37	81	1370
	40547	1694	1666				
	49361	1577	1537				
	58176	1435	1378				
	66991	1260	1185				
	75805	1057	951				
	84620	825	706				
HTFC-III-1000A-k HTFC-III-10003	35941	2056	2034	1000	4P/45	83	1430
	43508	1954	1923				
	52966	1807	1760				
	62424	1633	1568				
	71882	1433	1347				
	81340	1204	1093				
	90799	943	805				
HTFC-III-1000A-m HTFC-III-10003	38390	2318	2293	1100	4P/55	84	1520
	48493	2198	2158				
	58596	2037	1980				
	68699	1842	1763				
	78801	1603	1499				
	88904	1331	1198				
	99007	1020	856				

Performance Parameter Table Of HTFC-III Fan
HTFC-III 性能参数表

Type 型号	Ar Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-1000A-p HTFC-III-1000B	42218	2803	2773	1200	4P/75	86	1690
	51106	2691	2647				
	62216	2506	2441				
	73326	2279	2189				
	84436	2002	1883				
	93324	1748	1602				
	104434	1389	1206				
HTFC-III-1000A-r HTFC-III-1000B	45009	3156	3122	1300	4P/90	88	1750
	54485	3030	2980				
	66329	2822	2748				
	78174	2567	2465				
	90019	2255	2120				
	99494	1968	1803				
	111339	1564	1357				
HTFC-III-1120A-a HTFC-III-1120B	28489	835	826	550	6P/15	74	1395
	34487	802	788				
	41984	747	727				
	49482	679	652				
	55479	613	579				
	61477	540	498				
	68974	437	384				
HTFC-III-1120A-b HTFC-III-1120B	30576	1006	995	600	6P/18.5	76	1450
	37013	965	950				
	45060	899	877				
	53106	818	786				
	59543	738	699				
	65981	651	602				
	74027	526	466				
HTFC-III-1120A-c HTFC-III-1120B	30790	1140	1130	650	6P/22	77	1470
	39343	1085	1068				
	47896	1010	985				
	56449	919	884				
	63291	830	785				
	71844	705	647				
	80397	560	488				
HTFC-III-1120A-d HTFC-III-1120B	35818	1308	1294	750	6P/30	79	1510
	43359	1256	1235				
	52784	1169	1139				
	62210	1063	1021				
	69751	960	906				
	77291	846	780				
	86717	684	601				
HTFC-III-1120A-e HTFC-III-1120B	38487	1482	1466	800	4P/37	80	1710
	46590	1423	1399				
	56718	1325	1290				
	66846	1205	1156				
	74949	1088	1026				
	83052	959	883				
	93180	776	680				

Performance Parameter Table Of HTFC-III Fan
HTFC-III 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-1120A-f HTFC-III-1120B	41205	1699	1680	850	4P/45	81	1740
	49880	1631	1604				
	60724	1519	1478				
	71567	1382	1325				
	80242	1247	1176				
	88917	1099	1012				
	99760	889	779				
HTFC-III-1120A-g HTFC-III-1120B	43923	1922	1900	900	4P/55	83	1800
	53170	1845	1813				
	64729	1718	1672				
	76288	1563	1498				
	85535	1411	1330				
	97093	1198	1094				
	108652	952	821				
HTFC-III-1120A-h HTFC-III-1120B	46039	2250	2227	1000	4P/75	85	2200
	58828	2142	2103				
	71617	1995	1938				
	84405	1814	1735				
	94636	1638	1539				
	104867	1443	1322				
	117656	1167	1014				
HTFC-III-1120A-i HTFC-III-1120B	51931	2674	2644	1050	4P/90	86	2250
	62864	2567	2523				
	76530	2390	2325				
	90196	2174	2084				
	101129	1963	1850				
	112062	1730	1591				
	125728	1399	1224				
HTFC-III-1120A-j HTFC-III-1120B	55426	3045	3011	1150	4P/110	88	2530
	67094	2924	2874				
	81680	2723	2649				
	96266	2476	2373				
	107934	2236	2107				
	119603	1971	1813				
	134189	1594	1395				
HTFC-III-1250A-a HTFC-III-12503	32926	686	678	450	6P/15	72	1725
	41590	651	638				
	50256	603	585				
	57188	558	534				
	64119	504	474				
	71051	444	407				
	77983	377	333				
HTFC-III-1250A-b HTFC-III-12503	33494	798	790	500	6P/18.5	74	1780
	42798	759	746				
	52102	707	688				
	61406	643	616				
	70710	565	529				
	78153	493	449				
	87457	392	337				

TWOSUN® SHUANGYANG FAN

Performance Parameter Table Of HTFC-III Fan
HTFC-III 性能参数表

Type 型号	Ar Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-1250A-c HTFC-III-1250B	35476	895	886	550	6P/22	75	1790
	45330	852	837				
	55185	794	771				
	65039	722	691				
	74893	634	593				
	82777	553	504				
	92631	440	378				
HTFC-III-1250A-d HTFC-III-1250B	39343	1080	1069	600	6P/30	78	1840
	50272	1028	1010				
	61200	957	930				
	72129	871	833				
	83058	765	715				
	91800	668	607				
	102729	531	454				
HTFC-III-1250A-e HTFC-III-1250B	42188	1278	1265	650	6P/37	79	1940
	53906	1216	1195				
	65625	1133	1102				
	77344	1030	987				
	89063	905	848				
	98438	790	720				
	110156	628	540				
HTFC-III-1250A-f HTFC-III-1250B	49259	1591	1573	700	6P/45	80	2075
	62942	1514	1485				
	76625	1410	1367				
	90308	1283	1224				
	101255	1158	1084				
	112201	1021	929				
	123148	867	757				
HTFC-III-1250A-g HTFC-III-1250B	55415	1807	1785	750	6P/55	81	2130
	67082	1735	1702				
	81665	1616	1568				
	93331	1499	1435				
	102081	1401	1325				
	116664	1210	1112				
	131247	993	869				
HTFC-III-1250A-h HTFC-III-1250B	58064	2069	2044	850	4P/75	84	2530
	70288	1986	1950				
	85568	1850	1797				
	100847	1682	1609				
	116127	1478	1380				
	128351	1290	1171				
	143631	1025	876				
HTFC-III-1250A-i HTFC-III-1250B	59915	2272	2246	900	4P/90	86	2310
	72528	2181	2143				
	88295	2031	1975				
	104063	1848	1769				
	119830	1623	1519				
	135597	1361	1228				
	151364	1063	897				

Performance Parameter Table Of HTFC-III Fan
HTFC-III 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-1250A-j HTFC-III-1250B	63963	2589	2560	950	4P/110	87	2570
	77429	2486	2442				
	94261	2315	2251				
	111094	2106	2016				
	127926	1850	1731				
	144759	1551	1399				
	161591	1211	1022				
HTFC-III-1250A-k HTFC-III-1250B	68011	2928	2894	1000	4P/132	89	2650
	82330	2810	2761				
	100227	2618	2545				
	118125	2381	2280				
	136023	2091	1957				
	153920	1754	1582				
	171818	1369	1156				
HTFC-II-1400A-a HTFC-II-1400B	40776	721	714	400	6P/18.5	74	2210
	52102	686	674				
	63429	639	621				
	74755	581	557				
	86082	511	478				
	95143	446	406				
	106470	354	304				
HTFC-III-1400A-b HTFC-III-1400B	43122	806	798	450	6P/22	76	2225
	55100	767	754				
	67078	715	695				
	79056	650	623				
	91035	571	535				
	100617	498	454				
	112596	396	340				
HTFC-III-1400A-c HTFC-III-1400B	47814	991	981	500	6P/30	78	2290
	61096	944	927				
	74377	879	854				
	87659	799	755				
	100941	702	657				
	111566	613	558				
	124847	487	418				
HTFC-III-1400A-d HTFC-III-14003	51286	1140	1129	550	6P/37	79	2360
	65532	1086	1067				
	79779	1011	983				
	94025	920	881				
	108271	808	756				
	119668	705	642				
	133914	560	481				
HTFC-III-1400A-e HTFC-III-14003	54946	1309	1296	600	6P/45	81	2450
	70209	1246	1224				
	85472	1161	1128				
	100735	1056	1011				
	115997	927	858				
	128208	809	737				
	143470	643	552				

Performance Parameter Table Of HTFC-III Fan
HTFC-III 性能参数表

Type 型号	Ar Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-1400A-f HTFC-III-1400B	58512	1484	1469	650	6P/55	82	2500
	74766	1413	1388				
	91019	1316	1280				
	107272	1197	1146				
	123526	1051	984				
	136529	918	836				
	152782	729	626				
HTFC-III-1400A-g HTFC-III-1400B	64894	1826	1807	700	6P/75	84	2820
	82920	1738	1708				
	100946	1619	1574				
	118972	1472	1410				
	136998	1293	1211				
	151419	1129	1028				
	169445	897	771				
HTFC-III-1400A-h HTFC-III-1400B	68976	2063	2042	750	6P/90	86	2915
	91968	1940	1902				
	111128	1798	1744				
	130288	1626	1551				
	149448	1415	1316				
	168608	1174	1049				
	187768	900	745				
HTFC-III-1400A-i HTFC-III-1400B	78058	2351	2324	800	6P/110	87	3015
	98600	2229	2186				
	119141	2067	2004				
	135574	1912	1831				
	152008	1726	1624				
	172549	1466	1335				
	193091	1165	1001				
HTFC-III-1400A-j HTFC-III-1400B	82714	2640	2610	850	6P/132	89	3100
	104481	2503	2455				
	126247	2321	2251				
	143661	2147	2056				
	161074	1938	1824				
	182841	1646	1499				
	204608	1308	1123				

Performance Parameter Table Of HTFC-III-II Fan
HTFC-III-II 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-II-450A-e HTFC-III-II-450B	5600	821	810	1500	4/6P-2.2/0.7	64	330
	8400	618	593				
	11200	326	281				
	3789	376	371	1015		56	
	5684	283	271				
	7578	149	129				
HTFC-III-II-450A-f HTFC-III-II-450B	6084	992	979	1650	4/6P-3.2/1.1	66	335
	9126	747	717				
	12168	394	341				
	4130	457	451	1120		58	
	6195	344	331				
	8259	181	157				
HTFC-III-II-450A-g HTFC-III-II-450B	6700	1214	1198	1850	4/6P-4.7/1.5	68	350
	10049	914	878				
	13399	482	418				
	4454	537	530	1230		60	
	6681	404	388				
	8909	213	185				
HTFC-III-II-450A-h HTFC-III-II-450B	7449	1501	1481	2050	2/4P-5.9/1.4	70	365
	11174	1130	1086				
	14898	596	516				
	3761	383	378	1035		56	
	5641	288	277				
	7522	152	132				
HTFC-III-II-500A-e HTFC-III-II-500B	5349	839	832	1350	4/6P-3.2/1.1	66	420
	9553	677	656				
	14138	357	311				
	3467	352	350	875		58	
	6192	285	276				
	9164	150	131				
HTFC-III-II-500A-f HTFC-III-II-500B	6537	1253	1243	1600	4/6P-6.7/2.2	71	440
	11673	1012	980				
	17276	534	465				
	4331	550	545	1060		62	
	7733	444	430				
	11445	234	204				
HTFC-III-II-500A-g HTFC-III-II-500B	7250	1541	1529	1750	4/6P-8/2.8	73	465
	12947	1244	1206				
	19161	656	572				
	4909	707	701	1185		65	
	8767	571	553				
	12975	301	262				
HTFC-III-II-500A-h HTFC-III-II-500B	8065	1872	1857	1950	4/6P-12/4	75	495
	13825	1558	1514				
	20738	867	768				
	5459	858	851	1320		67	
	9359	714	694				
	14038	397	352				

Performance Parameter Table Of HTFC-III-II Fan
HTFC-III-II 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-II-560A-e HTFC-III-II-560B	7401	878	870	1200	4/6P-4.7/1.5	68	460
	12335	726	704				
	18091	417	369				
	4934	390	387	800		58	
	8223	323	313				
	12061	185	164				
HTFC-III-II-560A-f HTFC-III-II-560B	8227	1085	1075	1350	4/6P-6.7/2.2	70	495
	13711	897	869				
	19196	577	523				
	5424	472	467	890		61	
	9039	390	378				
	12655	251	227				
HTFC-III-II-560A-g HTFC-III-II-560B	9126	1335	1323	1500	4/6P-8/2.8	72	520
	15210	1114	1080				
	21294	753	687				
	6011	579	574	985		63	
	10018	483	468				
	14025	327	298				
HTFC-III-II-560A-h HTFC-III-II-560B	10367	1725	1709	1700	4/6P-12/4	74	560
	17279	1435	1391				
	24191	974	888				
	6843	751	744	1120		66	
	11404	625	606				
	15966	424	387				
HTFC-III-II-630A-h HTFC-III-II-630B	8622	726	719	950	4/6P-4.7/1.5	68	605
	15089	565	544				
	21556	344	301				
	5809	329	326	640		59	
	10165	256	247				
	14522	156	137				
HTFC-III-II-630A-e HTFC-III-II-630B	9601	900	891	1050	4/6P-6.7/2.2	70	630
	16802	700	674				
	24002	427	373				
	6538	417	413	715		62	
	11441	325	313				
	16344	198	173				
HTFC-III-II-630A-g HTFC-III-II-630B	10667	1116	1105	1200	4/6P-8/2.8	73	645
	18667	868	836				
	26667	529	463				
	7067	490	485	800		64	
	12367	381	367				
	17667	232	203				
HTFC-III-II-630A-f HTFC-III-II-630B	12133	1437	1424	1350	4/6P-12/4	75	700
	21233	1119	1077				
	30333	681	596				
	8089	639	633	900		67	
	14156	497	478				
	20222	303	265				

Performance Parameter Table Of HTFC-III-II Fan
HTFC-III-II 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-II-710A-i HTFC-III-II-710B	12037	949	940	950	4/5P-8/2.8	71	705
	21885	743	715				
	30639	477	421				
	8172	437	433	645		63	
	14859	343	330				
	20802	220	194				
HTFC-III-II-710A-h HTFC-III-II-710B	13614	1230	1219	1100	4/6P-12/4	74	760
	24752	963	927				
	34653	618	547				
	9035	542	537	730		65	
	16426	424	408				
	22997	272	241				
HTFC-III-II-710A-j HTFC-III-II-710B	16531	1487	1470	1200	4/6P-15.5/5.1	76	780
	27552	1183	1138				
	38573	759	671				
	11227	686	678	815		68	
	18712	546	525				
	26197	350	309				
HTFC-III-II-710A-f HTFC-III-II-710B	18085	1793	1773	1300	4/6P-18.5/6.2	78	830
	30142	1427	1373				
	42198	915	809				
	12173	812	803	875		70	
	20288	646	622				
	28403	415	367				
HTFC-III-II-710A-g HTFC-III-II-710B	18950	1971	1950	1400	4/6P-24/8.5	79	870
	31584	1568	1509				
	44218	1006	890				
	12656	879	870	935		71	
	21094	700	673				
	29531	449	397				
HTFC-III-II-800A-h HTFC-III-II-800B	16404	1003	992	900	4/6P-12/4	73	920
	29242	868	834				
	42080	511	441				
	10936	446	441	600		65	
	19495	386	371				
	28053	227	196				
HTFC-III-II-800A-i HTFC-III-II-800B	18046	1214	1201	1000	4/6P-15.5/5.1	75	950
	32169	1050	1009				
	46292	619	534				
	11910	529	523	660		67	
	21232	457	440				
	30553	270	233				
HTFC-III-II-800A-f HTFC-III-II-800B	19506	1403	1387	1100	4/6P-18.5/6.2	77	1010
	34582	1213	1166				
	49764	715	617				
	12590	584	578	710		68	
	22321	506	486				
	32121	298	257				

Performance Parameter Table Of HTFC-III-II Fan
HTFC-III-II 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-II-800A-j HTFC-III-II-800B	20482	1563	1547	1150	4/6P-24/8.5	78	1040
	36512	1353	1300				
	52542	797	688				
	13358	665	658	750		69	
	23812	575	553				
	34266	339	293				
HTFC-III-II-800A-g HTFC-III-II-800B	22738	1927	1906	1250	4/6P-33/11	80	1120
	40533	1667	1602				
	58328	982	848				
	15189	860	851	835		72	
	27076	744	715				
	38963	438	378				
HTFC-III-II-900A-h HTFC-III-II-900B	21262	1026	1014	850	4/6P-15.5/5.1	75	1060
	37758	870	834				
	54254	579	505				
	13758	429	425	550		66	
	24432	364	349				
	35106	242	211				
HTFC-III-II-900A-i HTFC-III-II-900	22850	1196	1183	900	4/6P-18.5/6.2	76	1090
	40579	1003	961				
	58307	666	580				
	14979	514	508	590		68	
	26602	431	413				
	38224	286	249				
HTFC-III-II-900A-f HTFC-III-II-900B	24080	1329	1315	950	4/6P-24/8.5	78	1120
	42762	1116	1070				
	61445	742	647				
	15842	575	569	625		69	
	28133	483	463				
	40424	321	280				
HTFC-III-II-900A-j HTFC-III-II-900B	26898	1657	1639	1050	4/6P-33/11	80	1190
	47766	1392	1335				
	68635	926	808				
	17804	726	718	695		71	
	31617	610	585				
	45430	406	354				
HTFC-III-II-900A-g HTFC-III-II-900B	28819	1909	1889	1100	4/6P-38/13	81	1230
	51178	1598	1533				
	73538	1063	927				
	19518	876	866	745		73	
	34662	733	703				
	49805	488	425				
HTFC-III-II-900A-k HTFC-III-II-900B	30748	2143	2120	1200	4/6P-47/16	83	1310
	54604	1837	1762				
	78460	1222	1067				
	20370	941	930	795		75	
	36175	806	773				
	51979	536	468				

Performance Parameter Table Of HTFC-III-II Fan
HTFC-III-II 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-II-1000A-a HTFC-III-II-1000B	25255	1261	1250	800	6/8P-22/11	78	1320
	49025	1009	969				
	71308	580	495				
	18941	709	703	600		71	
	36768	567	545				
	53481	326	279				
HTFC-III-II-1000A-c HTFC-III-II-1000	29584	1546	1531	900	4/6P-33/11	80	1375
	54237	1247	1198				
	78890	717	613				
	19394	664	658	590		70	
	35555	536	515				
	51717	308	264				
HTFC-III-II-1000A-d HTFC-III-II-1000B	33495	1764	1745	950	4/6P-38/13	81	1400
	58176	1435	1378				
	84620	825	706				
	22389	788	780	635		72	
	38886	641	616				
	56562	369	315				
HTFC-III-II-1000A-b HTFC-III-II-1000B	35941	2056	2034	1000	4/6P-42/32	83	1440
	62424	1633	1568				
	90799	943	805				
	24260	937	927	675		74	
	42136	744	715				
	61289	430	367				
HTFC-III-II-1000A-e HTFC-III-II-1000B	38390	2318	2293	1100	4/6P-55/45	84	1520
	68699	1842	1763				
	99007	1020	856				
	25477	1021	1010	730		75	
	45591	811	776				
	65705	449	377				
HTFC-III-II-1000A-f HTFC-III-II-1000B	42218	2803	2773	1200	4/6P-75/25	86	1690
	73326	2279	2189				
	104434	1389	1206				
	27969	1230	1217	795		77	
	48578	1000	961				
	69188	610	530				
HTFC-III-II-1000A-g HTFC-III-II-1000B	45009	3156	3122	1300	4/6P-84/28	88	1750
	78174	2567	2465				
	111339	1564	1357				
	29775	1381	1366	860		79	
	51715	1123	1079				
	73655	684	594				
HTFC-III-II-1120A-a HTFC-III-II-1120B	30790	1140	1130	650	6/8P-22/11	77	1470
	56449	919	884				
	80397	560	488				
	22974	635	629	485		72	
	42120	512	492				
	59989	312	272				

Performance Parameter Table Of HTFC-III-II Fan
HTFC-III-II 性能参数表

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-II-1120A-b HTFC-III-II-1120B	35818	1308	1294	750	6/8P-30/15	79	1510
	62210	1063	1021				
	86717	684	601				
	26983	742	734	565		73	
	46865	604	579				
	65327	388	341				
HTFC-III-II-1120A-c HTFC-III-II-1120B	38487	1482	1466	800	4/6P-38/13	80	1620
	66846	1205	1156				
	93180	776	680				
	25257	638	631	530		71	
	43868	519	498				
	61149	334	293				
HTFC-III-II-1120A-d HTFC-III-II-1120B	41205	1699	1680	850	4/6P-47/16	81	1750
	71567	1382	1325				
	99760	889	779				
	27147	737	729	565		73	
	47150	600	575				
	65724	386	338				
HTFC-III-II-1120A-e HTFC-III-II-1120B	43923	1922	1900	900	4/6P-55/18.5	83	1800
	76288	1563	1498				
	108652	952	821				
	29282	854	845	595		74	
	50858	694	666				
	72435	423	365				
HTFC-III-II-1120A-f HTFC-III-II-1120B	46039	2250	2227	1000	4/6P-75/25	85	2200
	84405	1814	1735				
	117656	1167	1014				
	30616	995	985	665		77	
	56130	802	767				
	78241	516	448				
HTFC-III-II-1120A-g HTFC-III-II-1120B	51931	2674	2644	1050	4/6P-95/32	86	2250
	90196	2174	2084				
	125728	1399	1224				
	34373	1155	1142	695		78	
	59701	939	899				
	83220	604	527				
HTFC-III-II-1120A-h HTFC-III-II-1120B	55426	3045	3011	1150	4/6P-115/38	88	2530
	96266	2476	2373				
	134189	1594	1395				
	36629	1330	1315	760		80	
	63619	1081	1037				
	88681	696	609				
HTFC-III-II-1250A-a HTFC-III-II-1250B	35476	895	886	550	6/8P-22/11	75	1790
	65039	722	691				
	92631	440	378				
	26768	510	504	415		71	
	49075	411	393				
	69895	250	215				

Performance Parameter Table Of HTFC-III-II Fan
HTFC-III-II 性能参数表

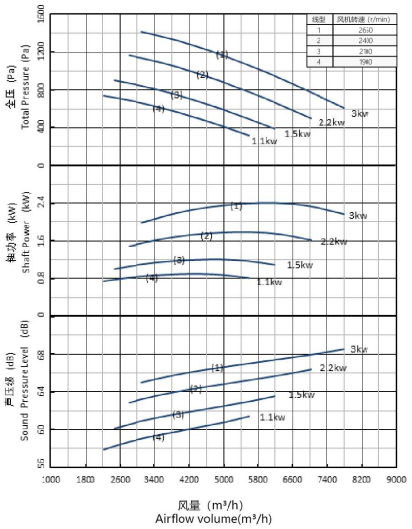
Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-II-1250A-b HTFC-III-II-1250B	39343	1080	1069	600	6/8P-30/15	78	1840
	72129	871	833				
	102729	531	454				
	29507	608	601	450		72	
	54097	490	469				
	77047	298	255				
HTFC-III-II-1250A-c HTFC-III-II-1250B	42188	1278	1265	650	6/8P-37/22	79	1940
	77344	1030	987				
	110156	628	540				
	31479	712	704	485		74	
	57710	574	550				
	82194	350	301				
HTFC-III-II-1250A-d HTFC-III-II-1250B	49259	1591	1573	700	6/8P-45/22	80	2075
	90308	1283	1224				
	123148	867	757				
	36944	895	885	525		76	
	67731	722	688				
	92361	488	426				
HTFC-III-II-1250A-e HTFC-III-II-1250B	55415	1807	1785	750	6/8P-55/28	81	2130
	93331	1499	1435				
	131247	993	869				
	41746	1026	1013	565		78	
	70310	850	815				
	98873	564	493				
HTFC-III-II-1250A-f HTFC-III-II-1250B	58064	2069	2044	850	6/8P-75/37	84	2530
	100847	1682	1609				
	143631	1025	876				
	43377	1155	1141	635		79	
	75339	939	898				
	107301	572	489				
HTFC-III-II-1250A-g HTFC-III-II-1250B	59915	2272	2246	900	4/6P-95/32	86	2310
	104063	1848	1769				
	151364	1063	897				
	39610	993	982	595		77	
	68797	808	773				
	100068	464	392				
HTFC-III-II-1250A-h HTFC-III-II-1250B	63963	2589	2560	950	4/6P-115/38	87	2570
	111094	2106	2016				
	161591	1211	1022				
	42418	1139	1126	630		78	
	73673	926	887				
	107160	533	449				
HTFC-III-II-1250A-i HTFC-III-II-1250B	68011	2928	2894	1000	4/6P-135/45	89	2650
	118125	2381	2280				
	171818	1369	1156				
	45228	1295	1280	665		80	
	78553	1053	1008				
	114259	606	511				

Type 型号	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Speed 转速 (r/min)	Motor 配用电机 Power 极-功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-III-II-1400A-a HTFC-III-II-1400B	43122	806	798	450	6/8P-22/11	76	2225
	79056	650	622				
	112596	396	340				
	32102	447	442	335		70	
	58853	360	345				
	83821	219	188				
HTFC-III-II-1400A-b HTFC-III-II-1400B	47814	991	981	500	6/8P-30/15	78	2290
	87659	799	765				
	124847	487	418				
	35861	557	552	375		72	
	65744	449	430				
	93635	274	235				
HTFC-III-II-1400A-c HTFC-III-II-1400B	51286	1140	1128	550	6/8P-37/22	79	2360
	94025	920	881				
	133914	560	481				
	38698	649	642	415		74	
	70946	524	502				
	101044	319	274				
HTFC-III-II-1400A-d HTFC-III-II-1400B	54946	1309	1296	600	6/8P-45/22	81	2450
	100735	1056	1011				
	143470	643	552				
	41210	736	729	450		75	
	75551	594	569				
	107603	362	311				
HTFC-III-II-1400A-e HTFC-III-II-1400B	58512	1484	1469	650	6/8P-55/28	82	2500
	107272	1197	1146				
	152782	729	626				
	43659	826	818	485		77	
	80041	666	638				
	113999	406	349				
HTFC-III-II-1400A-f HTFC-III-II-1400B	64894	1826	1807	700	6/8P-75/37	84	2820
	118972	1472	1410				
	169445	897	770				
	48671	1027	1017	525		78	
	89229	828	793				
	127084	505	433				
HTFC-III-II-1400A-g HTFC-III-II-1400B	68976	2063	2042	750	6/8P-90/45	86	2915
	130288	1626	1551				
	183936	957	808				
	51962	1171	1159	565		81	
	98150	923	880				
	138565	543	458				
HTFC-III-II-1400A-h HTFC-III-II-1400B	78058	2351	2324	800	6/8P-110/55	87	3015
	135574	1912	1831				
	193097	1165	1001				
	58544	1322	1307	600		81	
	101681	1076	1030				
	144818	655	563				
HTFC-III-II-1400A-i HTFC-III-II-1400B	82714	2640	2610	850	6/8P-132/66	89	3100
	143667	2147	2056				
	204603	1308	1123				
	61792	1473	1457	635		83	
	107323	1198	1147				
	152854	730	627				

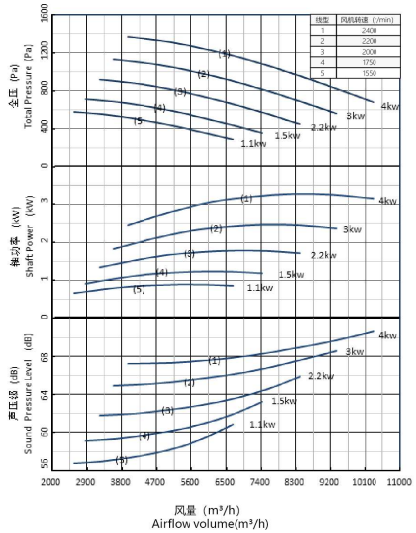
Performance Curve of HTFC-III Fan

十一、HTFC-III 性能曲线

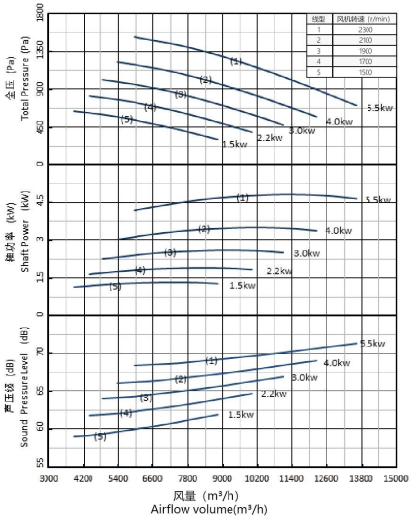
HTFC-III-315A/B



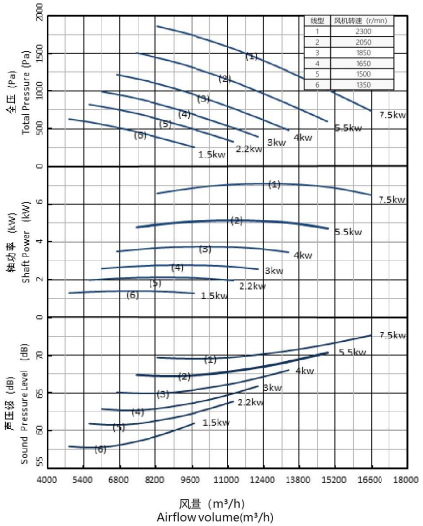
HTFC-III-355A/B



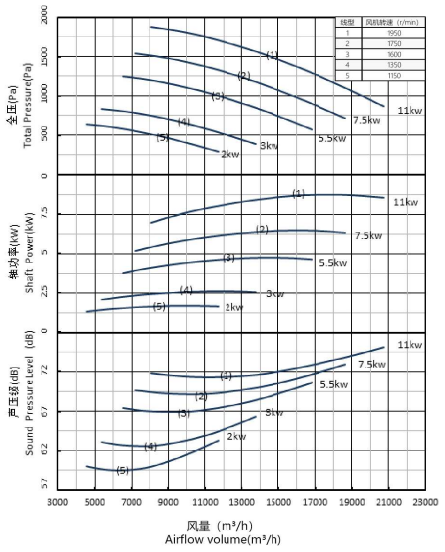
HTFC-III-400A/B



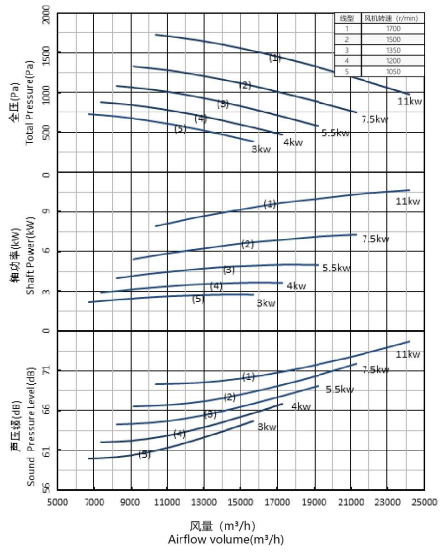
HTFC-III-450A/B



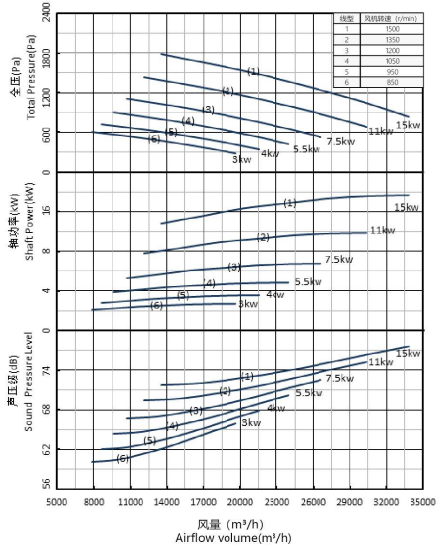
HTFC-III-500A/B



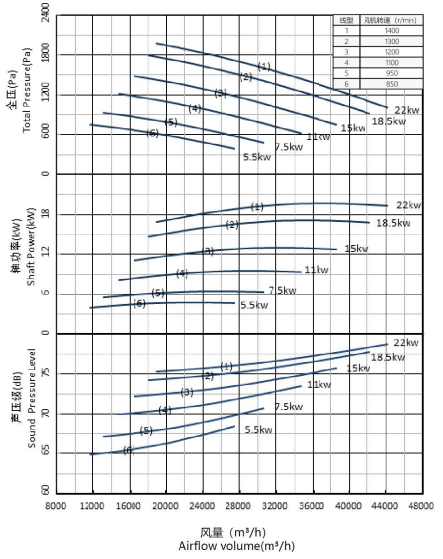
HTFC-III-560A/B



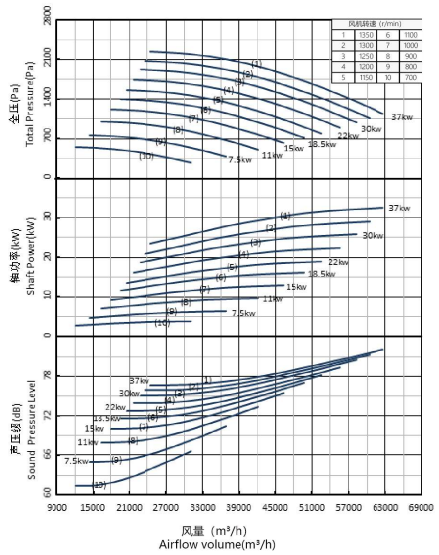
HTFC-III-630A/B



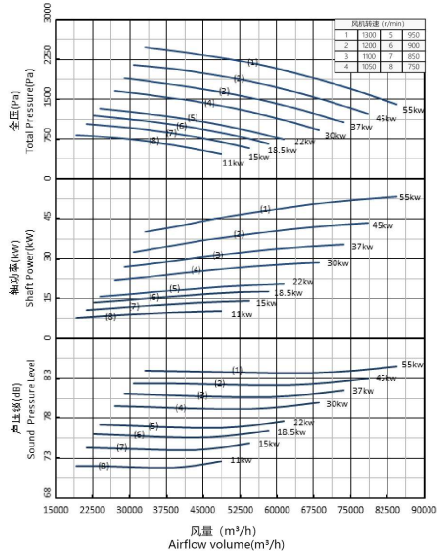
HTFC-III-710A/B



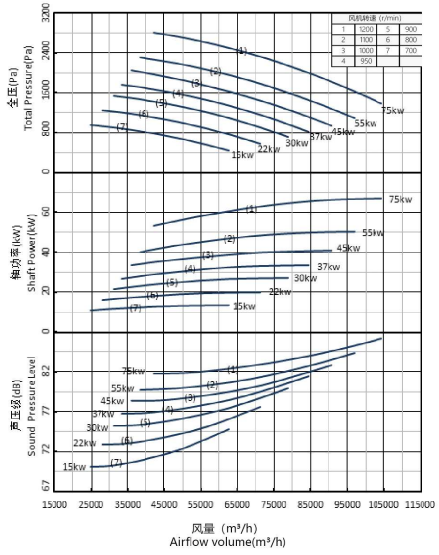
HTFC-III-800A/B



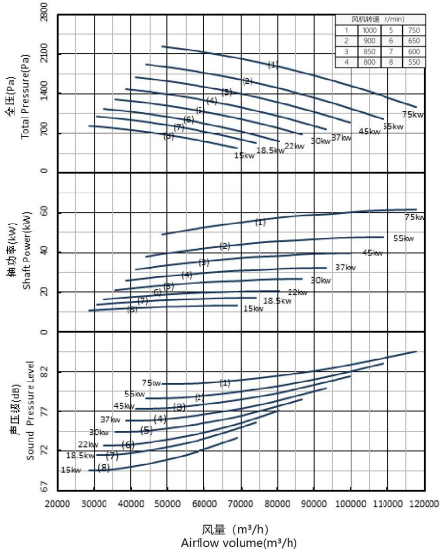
HTFC-III-900A/B



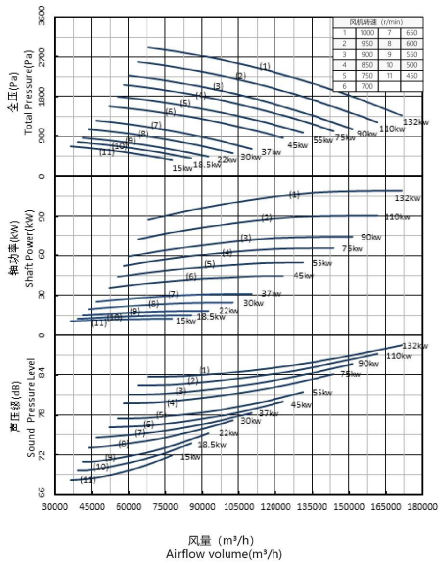
HTFC-III-1000A/B



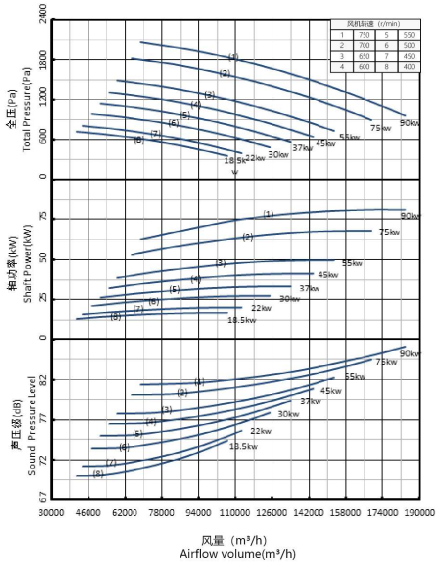
HTFC-III-1120A/B



HTFC-III-1250A/B



HTFC-III-1400A/B



Outline Dimension of HTFC-III Low-noise Cabinet Fan

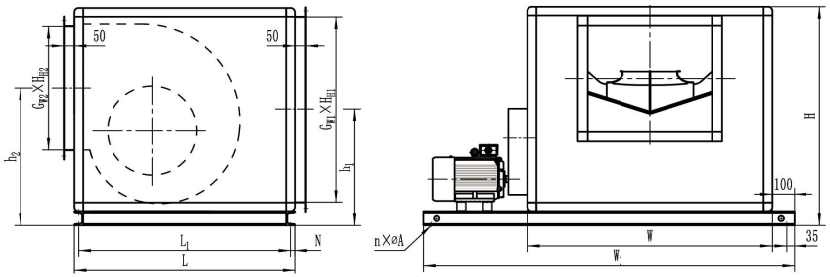
十二、HTFC-III 低噪声柜式风机外形尺寸

Outlines of A type (low-noise cabinet fan<external motor >)

（一）A 式离心式消防排烟风机（低噪声柜式风机＜电机外置＞）风机外形图

0° inlet & C° upper outlet, facing outlet and motor s placed on the left side of fan housing

1、0°进风 0°上出风，面对出风口，电机左置:



Outline dimensions of A type (low-noise cabinet fan<external motor>)

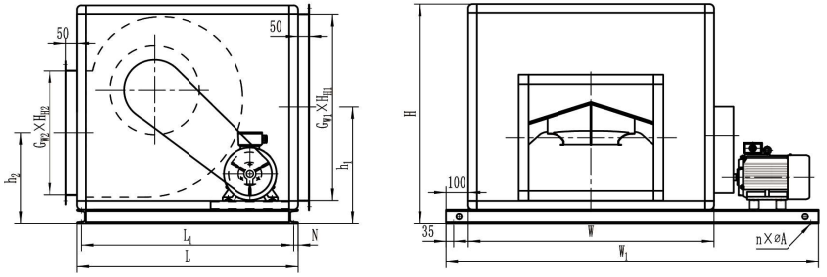
A 型离心式消防排烟风机（低噪声柜式风机 < 电机外置 >）外形尺寸表

尺寸size / 机型model	L	L_1	W	W_1						
				Y80-90	Y100-112	Y132	Y160	Y180	Y200	Y225
HTFC-III、III-II-315A	700	660	780	1365	1430					
HTFC-II、III-II-355A	750	710	870	1455	1520					
HTFC-II、III-II-400A	850	810	960	1545	1610	1725				
HTFC-II、III-II-450A	900	860	1050	1635	1700	1815	1945			
HTFC-II、III-II-500A	1000	955	1200		1850	1965	2095	2160		
HTFC-II、III-II-560A	1100	1055	1350		2000	2115	2245	2310		
HTFC-II、III-II-630A	1200	1155	1480		2130	2245	2375	2440		
HTFC-III、III-II-710A	1300	1255	1650			2415	2545	2610	2640	
HTFC-II、III-II-800A	1450	1405	1850			2615	2745	2810	2875	2910
HTFC-II、III-II-900A	1600	1555	2050	Y250=3200			2945	3010	3075	3110
HTFC-III、III-II-1000A	1800	1755	2250	Y250=3400 Y280=3510				3210	3275	3310
HTFC-III、III-II-1120A	1960	1915	2300	Y250=3460 Y280=3580 Y315=3775				3260	3310	3380
HTFC-III、III-II-1250A (Y315)	2200	2150	2450	Y250=3610 Y280=3710				3430	3460	3530
	2200	2145	2450	Y315S=3910 Y315ML=4020						
HTFC-III、III-II-1400A	2580	2525	3000	Y250=4150 Y280=4260 Y315S=4460 Y315ML=4570						4060

尺寸size / 机型model	进风口 Inlet		出风口 Outlet		h_1	h_2	N	ϕA	n	H
	G_{W1}	H_{H1}	G_{W2}	H_{H2}						
HTFC-II、III-II-315A	700	590	440	440	385	416	20	14.5	5	720
HTFC-III、III-II-355A	790	670	490	490	425	467	20	14.5	5	800
HTFC-III、III-II-400A	880	750	540	540	465	522	20	14.5	5	880
HTFC-III、III-II-450A	970	860	600	600	520	599	20	14.5	5	990
HTFC-III、III-II-500A	1120	950	670	670	575	663	22.5	14.5	6	1090
HTFC-III、III-II-560A	1270	1050	750	750	625	727	22.5	14.5	6	1190
HTFC-III、III-II-630A	1380	1160	840	840	690	800	22.5	14.5	6	1320
HTFC-II、III-II-710A	1550	1310	940	940	785	918	22.5	16.5	6	1490
HTFC-III、III-II-800A	1750	1470	1040	1040	885	1051	22.5	19.5	6	1670
HTFC-III、III-II-900A	1950	1650	1165	1165	975	1174	22.5	19.5	6	1850
HTFC-II、III-II-1000A	2150	1760	1290	1290	1030	1213	22.5	19.5	8	1960
HTFC-III、III-II-1120A	2200	2150	1440	1440	1225	1439	22.5	22	8	2350
HTFC-II、III-II-1250A (Y315)	2350	2350	1600	1600	1345	1608	25	22	10	2570
	2350	2350	1600	1600	1365	1628	27.5	22	10	2590
HTFC-II、III-II-1400A	2900	2700	1810	1810	1540	1800	27.5	22	10	2940

0° inlet & 0° upper outlet, facing outlet and motor is placed on the right side of fan housing

2、0°进风 0°下出风，面对出风口电机右置:



Outline dimensions of A type (low-noise cabinet fan<external motor>)

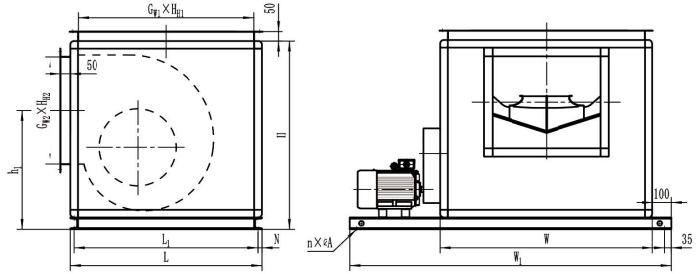
A 型离心式消防排烟风机（低噪声柜式风机 < 电机外置 >）外形尺寸表

尺寸size / 机型model	L	L	W	W_1						
				Y80-90	Y100-112	Y132	Y160	Y180	Y200	Y225
HTFC-III、III-II-315A	700	660	780	1365	1430					
HTFC-III、III-II-355A	750	710	870	1455	1520					
HTFC-III、III-II-400A	850	810	960	1545	1610	1725				
HTFC-III、III-II-450A	900	860	1050	1635	1700	1815	1945			
HTFC-III、III-II-500A	1000	955	1200		1850	1965	2095	2160		
HTFC-III、III-II-560A	1100	1055	1350		2000	2115	2245	2310		
HTFC-III、III-II-630A	1200	1155	1480		2130	2245	2375	2440		
HTFC-III、III-II-710A	1300	1255	1650			2415	2545	2610	2640	
HTFC-III、III-II-800A	1450	1405	1850			2615	2745	2810	2875	2910
HTFC-III、III-II-900A	1600	1555	2050	Y250=3200			2945	3010	3075	3110
HTFC-III、III-II-1000A	1800	1755	2250	Y250=3400 Y280=3510				3210	3275	3310
HTFC-III、III-II-1120A	1960	1915	2300	Y250=3460 Y280=3580 Y315=3775				3260	3310	3380
HTFC-III、III-II-1250A (Y315)	2200	2150	2450	Y250=3610 Y280=3710				3430	3460	3530
	2200	2145	2450	Y315S=3910 Y315ML=4020						
HTFC-III、III-II-1400A	2580	2525	3000	Y250=4150 Y280=4250 Y315S=4460 Y315ML=4570						4060

尺寸size / 机型model	进风口 Inlet		出风口 Outlet		h_1	h_2	N	ϕA	n	H
	G_{W1}	H_{H1}	G_{W2}	H_{H2}						
HTFC-III、III-II-315A	700	590	440	440	385	310	20	14.5	5	720
HTFC-III、III-II-355A	790	670	490	490	425	335	20	14.5	5	800
HTFC-III、III-II-400A	880	750	540	540	465	360	20	14.5	5	880
HTFC-III、III-II-450A	970	860	600	600	520	390	20	14.5	5	990
HTFC-III、III-II-500A	1120	950	670	670	575	435	22.5	14.5	6	1090
HTFC-III、III-II-560A	1270	1050	750	750	625	475	22.5	14.5	6	1190
HTFC-III、III-II-630A	1380	1160	840	840	690	530	22.5	14.5	6	1320
HTFC-III、III-II-710A	1550	1310	940	940	785	600	22.5	16.5	6	1490
HTFC-III、III-II-800A	1750	1470	1040	1040	885	670	22.5	19.5	6	1670
HTFC-III、III-II-900A	1950	1650	1165	1165	975	733	22.5	19.5	6	1850
HTFC-III、III-II-1000A	2150	1760	1290	1290	1030	795	22.5	19.5	8	1960
HTFC-III、III-II-1120A	2200	2150	1440	1440	1225	870	22.5	22	8	2350
HTFC-III、III-II-1250A (Y315)	2350	2350	1600	1600	1345	970	25	22	10	2570
	2350	2350	1600	1600	1365	990	27.5	22	10	2590
HTFC-III、III-II-1400A	2900	2700	1810	1810	1540	1095	27.5	22	10	3940

90° inlet & 0° upper outlet, facing outlet and motor is placed on the left side of fan housing

3、90°进风 0°上出风，面对出风口电机左置：



Outline dimensions of A type (low-noise cabinet fan<external motor>)

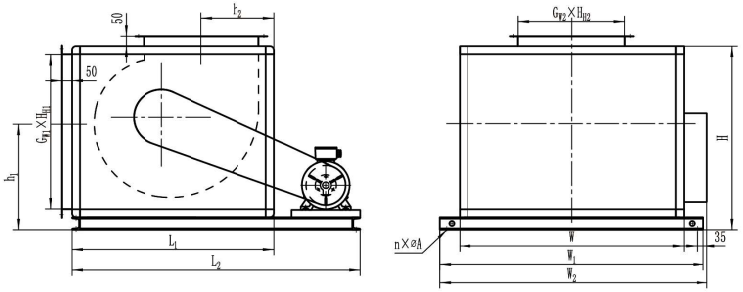
A 型离心式消防排烟风机（低噪声柜式风机＜电机外置＞）外形尺寸表

尺寸size / 机型model	L	L1	W	W1					
				Y80-90	Y100-112	Y132	Y160	Y180	Y200	Y225
HTFC-III、III-II-315A	700	660	780	1365	1430					
HTFC-II、III-II-355A	750	710	870	1455	1520					
HTFC-II、III-II-400A	850	810	960	1545	1610	1725				
HTFC-II、III-II-450A	900	860	1050	1635	1700	1815	1945			
HTFC-II、III-II-500A	1000	955	1200		1850	1965	2095	2160		
HTFC-II、III-II-560A	1100	1055	1350		2000	2115	2245	2310		
HTFC-II、III-II-630A	1200	1155	1480		2130	2245	2375	2440		
HTFC-III、III-II-710A	1300	1255	1650			2415	2545	2610	2640	
HTFC-II、III-II-800A	1450	1405	1850			2615	2745	2810	2875	2910
HTFC-II、III-II-900A	1600	1555	2050	Y250=3200			2945	3010	3075	3110
HTFC-III、III-II-1000A	1800	1755	2250	Y250=3400 Y280=3510				3210	3275	3310
HTFC-III、III-II-1120A	1960	1915	2300	Y250=3460 Y280=3580 Y315=3680				3260	3310	3380
HTFC-III、III-II-1250A (Y315)	2200	2150	2450	Y250=3610 Y280=3710				3430	3460	3530
	2200	2150	2450	Y315s=3910 Y315ML=4020						
HTFC-III、III-II-1400A	2580	2525	3000	Y250=4150 Y280=4260 Y315=4460 Y315ML=4570						4060

尺寸size / 机型model	进风口 Inlet		出风口 Outlet		h1	N	ΦA	n	H
	Gw1	Hh1	Gw2	Hh2					
HTFC-II、III-II-315A	700	620	440	440	416	20	14.5	5	720
HTFC-III、III-II-355A	790	670	490	490	467	20	14.5	5	800
HTFC-III、III-II-400A	880	770	540	540	522	20	14.5	5	880
HTFC-III、III-II-450A	970	820	600	600	599	20	14.5	5	990
HTFC-III、III-II-500A	1120	920	670	670	663	22.5	14.5	6	1090
HTFC-III、III-II-560A	1270	1020	750	750	727	22.5	14.5	6	1190
HTFC-III、III-II-630A	1380	1100	840	840	800	22.5	14.5	6	1320
HTFC-II、III-II-710A	1550	1200	940	940	918	22.5	16.5	6	1490
HTFC-III、III-II-800A	1750	1350	1040	1040	1054	22.5	19.5	6	1670
HTFC-III、III-II-900A	1950	1500	1165	1165	1174	22.5	19.5	6	1850
HTFC-II、III-II-1000A	2150	1700	1290	1290	1213	22.5	19.5	8	1960
HTFC-III、III-II-1120A	2200	1860	1440	1440	1439	22.5	22	8	2350
HTFC-II、III-II-1250A (Y315)	2350	2100	1600	1600	1608	25	22	10	2570
	2350	2100	1600	1600	1628	27.5	22	10	2590
HTFC-II、III-II-1400A	2900	2480	1810	1810	1800	27.5	22	10	2940

0° inlet & 90° upper outlet, facing outlet and motor is placed on the back of fan housing

4、0°进风 90°出风，面对进风口电机后置：



Outline dimensions of A type (low-noise cabinet fan<external motor>)

A 型离心式消防排烟风机（低噪声柜式风机＜电机外置＞）外形尺寸表

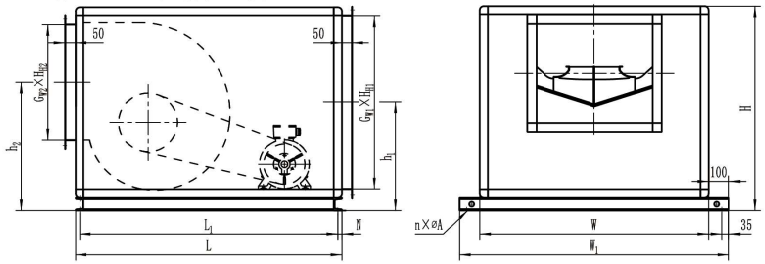
尺寸size / 机型model	L1	h1	L2					
			Y80-90	Y100-132	Y160-180	Y200-225	Y250-Y280	Y315
HTFC-III、III-II-315A	750	321	1150	1250				
HTFC-III、III-II-355A	820	355	1220	1320				
HTFC-III、III-II-400A	900	386	1300	1400				
HTFC-III、III-II-450A	1000	435	1400	1500	1600			
HTFC-III、III-II-500A	1100	482		1600	1700			
HTFC-III、III-II-560A	1200	523		1700	1800			
HTFC-III、III-II-630A	1350	575		1850	1950			
HTFC-III、III-II-710A	1500	653		2000	2100	2250		
HTFC-III、III-II-800A	1650	740			2250	2400		
HTFC-III、III-II-900A	1800	816			2400	2550	2700	
HTFC-III、III-II-1000A	1950	854			2550	2700	2850	
HTFC-III、III-II-1120A	2345	980			2945	3095	3230	
HTFC-III、III-II-1250A (Y315)	2570	1102			3170	3320	3455	
	2570	1123						3570
HTFC-III、III-II-1400A	2860	1288				3610	3745	3860

尺寸size / 机型model	进风口 Inlet		出风口 Outlet		n	ΦA	W	W1	H
	Gw1	Hh1	Gw2	Hh2					
HTFC-III-II-315A	700	460	440	440	5	14.5	780	980	592
HTFC-III-II-355A	790	530	490	490	5	14.5	870	1070	659
HTFC-III-II-400A	880	590	540	540	5	14.5	960	1160	723
HTFC-III-II-450A	970	690	600	600	5	14.5	1050	1250	820
HTFC-III-II-500A	1120	760	670	670	6	14.5	1200	1400	903
HTFC-III-II-560A	1270	846	750	750	6	14.5	1350	1550	986
HTFC-III-II-630A	1380	930	840	840	6	14.5	1480	1680	1091
HTFC-III-II-710A	1550	1046	940	940	6	16.5	1650	1850	1226
HTFC-III-II-800A	1750	1180	1040	1040	6	19.5	1850	2050	1380
HTFC-III-II-900A	1950	1330	1165	1165	6	19.5	2050	2250	1533
HTFC-III-II-1000A	2150	1410	1290	1290	8	19.5	2250	2450	1607
HTFC-III-II-1120A	2200	1660	1440	1440	8	22	2300	2500	1860
HTFC-III、III-II-1250A (Y315)	2350	1863	1600	1600	10	22	2450	2650	2070
	2350	1865	1600	1600	10	22	2450	2650	2105
HTFC-III-II-1400A	2900	2195	1810	1810	10	22	3000	3200	2435

Outlines of B type (low-noise cabinet fan<internal motor>)

（二）B 式离心式消防排烟风机（低噪声柜式风机＜电机内置＞）风机外形图

0° inlet & 0° upper outlet　1、0°进风 0°上出风：



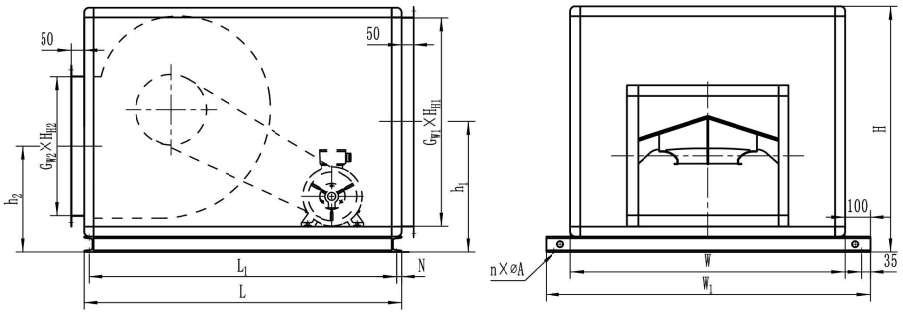
Outline dimensions of B type (low-noise cabinet fan<internal motor>)

B 型离心式消防排烟风机（低噪声柜式风机＜电机内置＞）外形尺寸表

尺寸size / 机型model	L	L_1	W	W_1	H	ΦA	n
HTFC-III、III-II-315B	1090	1050	780	980	720	14.5	4
HTFC-III、III-II-355B	1150	1110	870	1070	800	14.5	4
HTFC-III、III-II-400B	1320	1280	960	1160	880	14.5	4
HTFC-III、III-II-450B	1420	1380	1050	1250	990	14.5	4
HTFC-III、III-II-500B	1490	1445	1200	1400	1090	14.5	6
HTFC-III、III-II-560B	1570	1525	1350	1550	1190	14.5	6
HTFC-III、III-II-630B	1700	1655	1480	1680	1320	14.5	6
HTFC-III、III-II-710B	1810/1950(Y200)	1765/1905(Y200)	1650	1850	1490	16.5	6
HTFC-III、III-II-800B	2100	2055	1850	2050	1670	19.5	6
HTFC-III、III-II-900B	2250/2400(Y250)	2205/2355(Y250)	2050	2250	1850	19.5	6
HTFC-III、III-II-1000B	2320/2470(Y250)	2275/2425(Y250)	2250	2450	1960	19.5	8
HTFC-III、III-II-1120B	2750	2705	2300	2500	2350	22	8
HTFC-III、III-II-1250B (Y315)	2950	2900	2450	2650	2570	22	10
	3100	3045	2450	2650	2590	22	10
HTFC-III、III-II-1400B	3480	3425	3000	3200	2940	22	10

尺寸size / 机型model	进风口 Inlet		出风口 Outlet		h_1	h_2	N
	G_{w1}	H_{h1}	G_{w2}	H_{h2}			
HTFC-III、III-II-315B	700	590	440	440	385	416	20
HTFC-III、III-II-355B	790	670	490	490	425	467	20
HTFC-III、III-II-400B	880	750	540	540	465	522	20
HTFC-III、III-II-450B	970	860	600	600	520	599	20
HTFC-III、III-II-500B	1120	950	670	670	575	663	22.5
HTFC-III、III-II-560B	1270	1050	750	750	625	727	22.5
HTFC-III、III-II-630B	1380	1160	840	840	690	800	22.5
HTFC-III、III-II-710B	1550	1310	940	940	785	918	22.5
HTFC-III、III-II-800B	1750	1470	1040	1040	885	1054	22.5
HTFC-III、III-II-900B	1950	1650	1165	1165	975	1174	22.5
HTFC-III、III-II-1000B	2150	1760	1290	1290	1030	1213	22.5
HTFC-II 、III-II-1120	2200	2150	1440	1440	1225	1439	22.5
HTFC-III、III-II-1250B (Y315)	2350	2350	1600	1600	1345	1608	25
	2350	2350	1600	1600	1365	1628	27.5
HTFC-III、III-II-1400B	2900	2700	1810	1810	1800	1800	27.5

0° inlet & 0° lower outlet　2、0°进风 0°下出风：



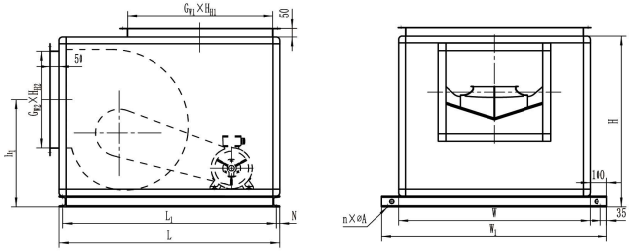
Outline cimensions of B type (low-noise cabinet fan<internal motor>)

B 型离心式消防排烟风机（低噪声柜式风机＜电机内置＞）外形尺寸表

尺寸size / 机型model	L	L_1	W	W_1	H	ΦA	n
HTFC-III、III-II-315B	1090	1050	780	980	720	14.5	4
HTFC-III、III-II-355B	1150	1110	870	1070	800	14.5	4
HTFC-III、III-II-400B	1320	1280	960	1160	880	14.5	4
HTFC-III、III-II-450B	1420	1380	1050	1250	990	14.5	4
HTFC-III、III-II-500B	1490	1445	1200	1400	1090	14.5	6
HTFC-III、III-II-560B	1570	1525	1350	1550	1190	14.5	6
HTFC-III、III-II-630B	1700	1655	1480	1680	1320	14.5	6
HTFC-III、III-II-710B	1810/1950(Y200)	1765/1905(Y200)	1650	1850	1490	16.5	6
HTFC-III、III-II-800B	2100	2055	1850	2050	1670	19.5	6
HTFC-III、III-II-900B	2250/2400(Y250)	2205/2355(Y250)	2050	2250	1850	19.5	6
HTFC-III、III-II-1000B	2320/2470(Y250)	2275/2425(Y250)	2250	2450	1960	19.5	8
HTFC-III、III-II-1120B	2750	2705	2300	2500	2350	22	8
HTFC-III、III-II-1250B (Y315)	2950	2900	2450	2650	2570	22	10
	3100	3045	2450	2650	2590	22	10
HTFC-III、III-II-1400B	3480	3425	3000	3200	2940	22	10

尺寸size / 机型model	进风口 Inlet		出风口 Outlet		h_1	h_2	N
	G_{w1}	H_{h1}	G_{w2}	H_{h2}			
HTFC-III、III-II-315B	700	590	440	440	385	310	20
HTFC-III、III-II-355B	790	670	490	490	425	335	20
HTFC-III、III-II-400B	880	750	540	540	465	360	20
HTFC-III、III-II-450B	970	860	600	600	520	390	20
HTFC-III、III-II-500B	1120	950	670	670	575	435	22.5
HTFC-III、III-II-560B	1270	1050	750	750	625	475	22.5
HTFC-III、III-II-630B	1380	1160	840	840	690	530	22.5
HTFC-III、III-II-710B	1550	1310	940	940	785	600	22.5
HTFC-III、III-II-800B	1750	1470	1040	1040	885	670	22.5
HTFC-III、III-II-900B	1950	1650	1165	1165	975	733	22.5
HTFC-III、III-II-1000B	2150	1760	1290	1290	1030	795	22.5
HTFC-III、III-II-1120B	2200	2150	1440	1440	1225	870	22.5
HTFC-III、III-II-1250B (Y315)	2350	2350	1600	1600	1345	970	25
	2350	2350	1600	1600	1365	990	27.5
HTFC-III、III-II-1400B	2900	2700	1810	1810	1800	1095	27.5

90° inlet & 0° upper outlet 3、90°进风 0°上出风：



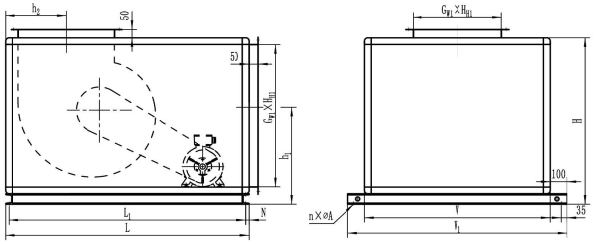
Outline dimensions of B type (low-noise cabinet fan<internal motor>)

B 型离心式消防排烟风机（低噪声柜式风机 < 电机内置 > ）外形尺寸表

尺寸size / 机型model	L	L1	W	W1	H	ϕA	n
HTFC-Ⅲ、Ⅲ-Ⅱ-315B	1090	1050	730	980	720	14.5	4
HTFC-Ⅲ、Ⅲ-Ⅱ-355B	1150	1110	870	1070	800	14.5	4
HTFC-Ⅲ、Ⅲ-Ⅱ-400B	1320	1280	950	1160	880	14.5	4
HTFC-Ⅲ、Ⅲ-Ⅱ-450B	1420	1380	1050	1250	990	14.5	4
HTFC-Ⅲ、Ⅲ-Ⅱ-500B	1490	1445	1200	1400	1090	14.5	6
HTFC-Ⅲ、Ⅲ-Ⅱ-560B	1570	1525	1350	1550	1190	14.5	6
HTFC-Ⅲ、Ⅲ-Ⅱ-630B	1700	1655	1480	1680	1320	14.5	6
HTFC-Ⅲ、Ⅲ-Ⅱ-710B	1810/1950(Y200)	1765/1905(Y200)	1650	1850	1490	16.5	6
HTFC-Ⅲ、Ⅲ-Ⅱ-800B	2100	2055	1850	2050	1670	19.5	6
HTFC-Ⅲ、Ⅲ-Ⅱ-900B	2250/2400(Y250)	2205/2355(Y250)	2050	2250	1850	19.5	6
HTFC-Ⅲ、Ⅲ-Ⅱ-1000B	2320/2470(Y250)	2275/2425(Y250)	2250	2450	1960	19.5	8
HTFC-Ⅲ、Ⅲ-Ⅱ-1120B	2750	2705	2300	2500	2350	22	8
HTFC-Ⅲ、Ⅲ-Ⅱ-1250B (Y315)	2950	2900	2450	2650	2570	22	10
	3100	3045	2450	2650	2590	22	10
HTFC-Ⅲ、Ⅲ-Ⅱ-1400B	3480	3425	3000	3200	2940	22	10

尺寸size / 机型model	进风口 Inlet		出风口 Outlet		h1	N
	Gw1	Hh1	Gw2	Hh2		
HTFC-Ⅲ、Ⅲ-Ⅱ-315B	700	590	440	440	416	20
HTFC-Ⅲ、Ⅲ-Ⅱ-355B	790	670	490	490	457	20
HTFC-Ⅲ、Ⅲ-Ⅱ-400B	880	750	540	540	522	20
HTFC-Ⅲ、Ⅲ-Ⅱ-450B	970	860	600	600	599	20
HTFC-Ⅲ、Ⅲ-Ⅱ-500B	1120	950	670	670	653	22.5
HTFC-Ⅲ、Ⅲ-Ⅱ-560B	1270	1050	750	750	727	22.5
HTFC-Ⅲ、Ⅲ-Ⅱ-630B	1380	1160	840	840	830	22.5
HTFC-Ⅲ、Ⅲ-Ⅱ-710B	1550	1310	940	940	918	22.5
HTFC-Ⅲ、Ⅲ-Ⅱ-800B	1750	1470	1040	1040	1054	22.5
HTFC-Ⅲ、Ⅲ-Ⅱ-900B	1950	1650	1165	1165	1174	22.5
HTFC-Ⅲ、Ⅲ-Ⅱ-1000B	2150	1760	1290	1290	1213	22.5
HTFC-Ⅲ、Ⅲ-Ⅱ-1120B	2200	2150	1440	1440	1439	22.5
HTFC-Ⅲ、Ⅲ-Ⅱ-1250B (Y315)	2350	2350	1600	1600	1608	25
	2350	2350	1600	1600	1628	27.5
HTFC-Ⅲ、Ⅲ-Ⅱ-1400B	2900	2700	1810	1810	1800	27.5

0° inlet & 90° outlet 4、0°进风 90°出风：



Outline dimensions of B type (low-noise cabinet fan<internal motor>)

B 型离心式消防排烟风机（低噪声柜式风机 < 电机内置 > ）外形尺寸表

尺寸size / 机型model	L	L1	W	W1	H	ϕA	n
HTFC-Ⅲ、Ⅲ-Ⅰ-315B	1150	1110	780	980	592	14.5	4
HTFC-Ⅲ、Ⅲ-Ⅱ-355B	1220	1180	870	1070	659	14.5	4
HTFC-Ⅲ、Ⅲ-Ⅱ-400B	1400	1360	960	1160	723	14.5	4
HTFC-Ⅲ、Ⅲ-Ⅱ-450B	1500	1460	1050	1250	820	14.5	4
HTFC-Ⅲ、Ⅲ-Ⅱ-500B	1600	1555	1200	1400	903	14.5	6
HTFC-Ⅲ、Ⅲ-Ⅱ-560B	1700	1655	1350	1550	986	14.5	6
HTFC-Ⅲ、Ⅲ-Ⅱ-630B	1850	1805	1480	1680	1091	14.5	6
HTFC-Ⅲ、Ⅲ-Ⅰ-710B	2000/2150(Y200)	1955/2105(Y200)	1650	1850	1226	16.5	6
HTFC-Ⅲ、Ⅲ-Ⅱ-800B	2300	2255	1850	2050	1380	19.5	6
HTFC-Ⅲ、Ⅲ-Ⅱ-900B	2490/2630(Y250)	2345/2585(Y250)	2050	2250	1533	19.5	6
HTFC-Ⅲ、Ⅲ-Ⅱ-1000B	2590/2740(Y250)	2545/2695(Y250)	2250	2450	1607	19.5	8
HTFC-Ⅲ、Ⅲ-Ⅱ-1120B	3100	3055	2300	2500	1860	22	8
HTFC-Ⅲ、Ⅲ-Ⅰ-1250B (Y315)	3340	3290	2450	2650	2083	22	10
	3500	3445	2450	2650	2105	22	10
HTFC-Ⅲ、Ⅲ-Ⅱ-1400B	3800	3745	3000	3200	2435	22	10

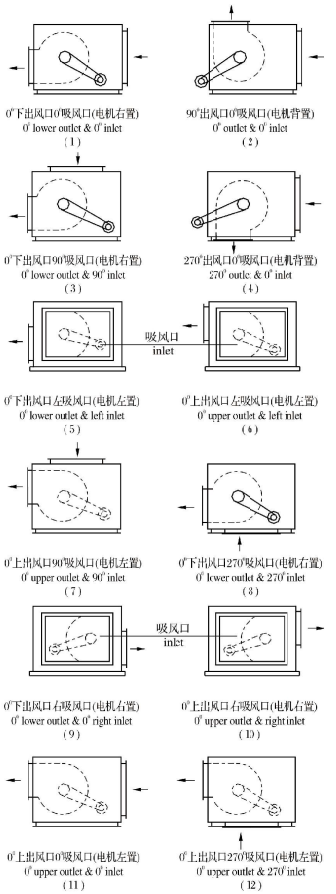
尺寸size / 机型model	进风口 Inlet		出风口 Outlet		h1	N
	Gw1	Hh1	Gw2	Hh2		
HTFC-Ⅲ、Ⅲ-Ⅰ-315B	700	460	440	440	321	20
HTFC-Ⅲ、Ⅲ-Ⅱ-355B	790	530	490	490	355	20
HTFC-Ⅲ、Ⅲ-Ⅱ-400B	880	590	540	540	386	20
HTFC-Ⅲ、Ⅲ-Ⅱ-450B	970	690	600	600	435	20
HTFC-Ⅲ、Ⅲ-Ⅱ-500B	1120	760	670	670	482	22.5
HTFC-Ⅲ、Ⅲ-Ⅱ-560B	1270	846	750	750	523	22.5
HTFC-Ⅲ、Ⅲ-Ⅱ-630B	1380	930	840	840	575	22.5
HTFC-Ⅲ、Ⅲ-Ⅰ-710B	1550	1046	940	940	653	22.5
HTFC-Ⅲ、Ⅲ-Ⅱ-800B	1750	1180	1040	1040	740	22.5
HTFC-Ⅲ、Ⅲ-Ⅱ-900B	1950	1330	1165	1165	816	22.5
HTFC-Ⅲ、Ⅲ-Ⅱ-1000B	2150	1410	1290	1290	854	22.5
HTFC-Ⅲ、Ⅲ-Ⅱ-1120B	2200	1665	1440	1440	983	22.5
HTFC-Ⅲ、Ⅲ-Ⅱ-1250B (Y315)	2350	1863	1600	1600	1102	25
	2350	1865	1600	1600	1123	27.5
HTFC-Ⅲ、Ⅲ-Ⅱ-1400B	2900	2195	1810	1810	1288	27.5

Inlet And Outlet Setup For HTFC Series Centrifugal Fireproof Smoke Exhaust Fan(Low-noise Cabinet Fan)

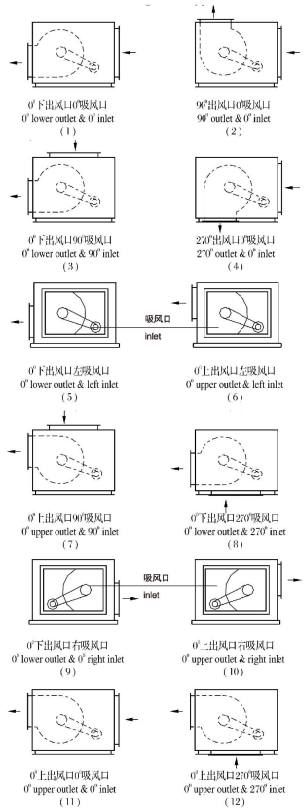
HTFC 系列离心式消防排烟风机（低噪声柜式风机）风口设置

Outlines of A type (low-noise cabinet fan<external motor>)

A 型离心式消防排烟风机（低噪声柜式风机 < 电机外置 > ）外形图



Outlines of B type
B 型低噪声柜式风机外形图





HTFC-IV Series centrifugal Fire and Smoke Exhaust Fan
HTFC-IV Series Low Noise Cabinet Fan
HTFC-IV系列离心式消防排烟风机/低噪声柜式风机

1 Product Features
产品特点

HTFC-IV series fans adopt box design, and the impeller is mainly composed of twisted blades and circular-arc back disk in the matching space of streamlined inlet. Gas is sucked into the impeller through streamlined inlet and directly pressurized, thus recucing the efficiency loss caused by turbulence, thus having better aerodynamic performance. At the same time, the structure is more compact, saving installation space, making it the first choice for box fans with high cost performance.

HTFC-IV 系列风机采用箱形设计，叶轮主要由流线型入口配套空间扭曲叶片、圆弧形后盘组成，气体通过流线型入口吸入叶轮直接加压，减少因紊流造成的效率损失，从而拥有更佳的气动性能，同时结构上更为紧凑，节约安装空间，让其成为高性价比箱式风机的首选。

High-strength frame structure, light weight, good sealing, and better appearance. At the same time, sound attenuation measures can be configured according to requirements.

高强度的框架结构，重量轻，密封性好，拥有更好的外观度，同时可根据需求配置消音措施。

Direct drive has higher transmission efficiency, no wearing parts, low maintenance rate and more compact structure.

直联驱动拥有更高的传动效率、无易损件，维护率低、结构更紧凑。

A variety of different air outlet directions can meet the design requirements of various pipe networks, making site construction more simple and flexible.

多种不同的出风方向，可满足各种不同的管网设计要求，让现场施工更为简便、灵活。

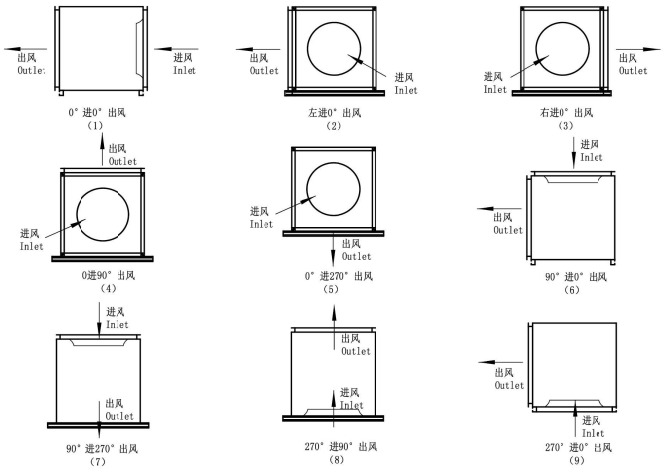
The balance grade of impeller is as high as G2.5, which is much higher than that of G6.3, which greatly improves the stability of impeller operation.

叶轮平衡等级高达 G2.5，远高于普规 G6.3，大幅提升叶轮运转的平稳性。

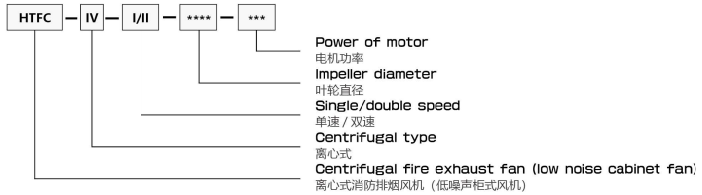
3C certified product, which can run normally at 280℃ for 60min.

3C 认证产品，在 280℃时正常运转 60min。

2 Inlet and Outlet Setup of HTFC-IV Type
HTFC-IV 系列风机风口设置



3 Naming Specification
命名规范



4 Product performance parameter
产品性能参数

Performance Parameter Table Of HTFC-IV-I Fan
HTFC-IV-I 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-I-300	2900	2813	274	264	0.55	58	61
		2951	264	253			
		3081	251	239			
		3210	232	219			
		3340	208	194			
		3462	178	163			
		3595	139	123			
HTFC-IV-I-300	2900	2910	289	279	0.75	58	62
		2990	278	267			
		3073	262	250			
		3150	244	232			
		3240	216	203			
		3325	185	171			
		3410	149	135			
HTFC-IV-I-300	2900	3193	312	299	1.1	59	65
		3281	298	285			
		3365	279	265			
		3450	255	240			
		3531	226	211			
		3610	195	179			
		3693	157	140			
HTFC-IV-I-350	2900	4170	421	409	1.1	63	71
		4380	405	392			
		4590	381	367			
		4785	352	336			
		4978	315	298			
		5173	268	250			
		5370	209	189			
HTFC-IV-I-350	2900	5050	463	446	1.5	65	73
		5260	443	424			
		5465	418	398			
		5670	386	364			
		5860	349	326			
		6050	303	278			
		6240	246	219			
HTFC-IV-I-350	2900	5525	530	509	2.2	67	78
		5780	515	492			
		6030	491	466			
		6280	461	434			
		6540	419	390			
		6805	365	333			
		7080	296	262			
HTFC-IV-I-400	1450	3855	182	175	0.55	55	73
		4055	178	171			
		4245	174	166			
		4436	167	158			
		4645	152	143			
		4836	132	122			
		5036	107	96			
HTFC-IV-I-400	1450	4240	227	219	0.75	58	76
		4460	223	214			
		4670	217	207			
		4880	207	197			
		5110	190	179			
		5320	165	153			
		5540	133	120			
HTFC-IV-I-400	2900	6680	533	513	2.2	67	84
		6990	508	487			
		7281	476	453			
		7551	439	414			
		7836	393	366			
		8132	336	307			
		8432	268	237			
HTFC-IV-I-400	2900	6500	686	667	3	70	91
		6940	663	642			
		7380	628	604			
		7810	581	554			
		8206	524	494			
		8615	449	416			
		9023	359	323			
HTFC-IV-I-450	1450	5422	230	221	0.75	58	107
		5661	221	212			
		5896	210	200			
		6126	198	187			
		6357	179	167			
		6591	157	144			
		6826	130	116			
HTFC-IV-I-450	1450	6235	289	278	1.1	61	112
		6510	279	267			
		6780	266	252			
		7045	250	235			
		7310	227	211			
		7580	199	182			
		7850	164	146			
HTFC-IV-I-450	2900	8240	595	575	3	69	122
		8740	576	554			
		9230	544	519			
		9745	503	475			
		10230	450	419			
		10715	387	353			
		11200	308	271			
HTFC-IV-I-450	2900	8830	735	712	4	72	136
		9483	706	680			
		10120	669	639			
		10750	622	588			
		11400	560	522			
		12010	485	443			
		12620	392	345			

TwoSun SHUANGYANG FAN

Performance Parameter Table Of HTFC-IV-I Fan
HTFC-IV-I 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-I-500	1450	4759	238	233	0.75	58	121
		5132	229	224			
		5500	218	212			
		5895	202	195			
		6281	179	171			
		6658	149	140			
		7035	115	105			
HTFC-IV-I-500	1450	5425	306	300	1.1	61	126
		5850	296	289			
		6270	281	273			
		6720	260	251			
		7160	231	221			
		7590	193	181			
		8020	148	135			
HTFC-IV-I-500	2900	7343	823	812	4	72	150
		8192	782	768			
		9010	736	719			
		9865	679	659			
		10752	601	577			
		11565	509	482			
		12452	386	354			
HTFC-IV-I-500	2900	9180	882	865	5.5	73	169
		10020	841	820			
		10848	783	759			
		11680	704	676			
		12440	614	582			
		13110	513	478			
		13820	394	355			
HTFC-IV-I-550	1450	6654	288	282	1.5	62	142
		7185	284	276			
		7719	276	267			
		8219	260	250			
		8702	237	226			
		9211	200	188			
		9719	156	142			
HTFC-IV-I-550	1450	7585	366	358	2.2	65	151
		8191	360	350			
		8800	350	339			
		9370	330	317			
		9920	301	287			
		10500	255	239			
		11080	198	180			
HTFC-IV-I-550	2900	11600	734	714	5.5	74	181
		12410	704	681			
		13210	662	636			
		14020	607	578			
		14810	536	504			
		15620	445	409			
		16400	341	302			
HTFC-IV-I-550	2900	13520	902	875	7.5	75	187
		14325	867	837			
		15110	817	784			
		15880	757	720			
		16610	685	645			
		17380	593	549			
		18130	490	442			
HTFC-IV-I-600	1450	8267	292	285	1.5	62	164
		8705	285	277			
		9143	273	264			
		9588	254	244			
		9997	228	217			
		10400	191	179			
		10795	148	135			
HTFC-IV-I-600	1450	9838	363	353	2.2	65	174
		10359	355	343			
		10880	340	327			
		11410	316	302			
		11897	284	269			
		12376	238	222			
		12846	185	167			
HTFC-IV-I-600	2900	14570	883	860	7.5	77	210
		15560	832	806			
		16510	769	740			
		17360	700	668			
		18270	613	577			
		19230	506	466			
		20110	390	347			
HTFC-IV-I-600	2900	15820	1001	974	11	79	266
		17020	969	938			
		18260	922	886			
		19530	857	816			
		20750	764	718			
		21980	648	596			
		23220	506	448			
HTFC-IV-I-650	1450	10937	336	326	2.2	65	216
		11544	329	318			
		12131	318	306			
		12756	298	285			
		13318	271	257			
		13889	233	217			
		14477	184	167			
HTFC-IV-I-650	1450	12468	404	391	3	68	218
		13160	395	381			
		13829	382	367			
		14542	359	342			
		15182	327	308			
		15834	280	260			
		16504	222	200			

Performance Parameter Table Of HTFC-IV-I Fan
HTFC-IV-I 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-I-650	1450	14214	474	458	4	70	227
		15002	464	446			
		15765	449	429			
		16578	422	400			
		17308	384	360			
		18051	330	304			
		18814	263	234			
HTFC-IV-I-650	1450	16630	560	538	5.5	72	250
		17552	549	524			
		18445	531	504			
		19396	500	470			
		20250	456	423			
		21120	393	357			
		22012	314	275			
HTFC-IV-I-700	960	14408	344	331	3	66	266
		15328	334	319			
		16236	319	303			
		17157	296	278			
		18021	265	245			
		18904	221	199			
		19786	166	142			
HTFC-IV-I-700	1450	15419	599	584	5.5	72	271
		16352	581	564			
		17186	553	535			
		18000	514	494			
		18797	462	440			
		19559	392	368			
		20297	307	282			
HTFC-IV-I-700	1450	18195	695	675	7.5	74	288
		19295	674	651			
		20280	643	618			
		21240	599	571			
		22180	538	508			
		23080	458	425			
		23950	361	326			
HTFC-IV-I-700	1450	22850	794	762	11	77	340
		24310	773	736			
		25750	739	698			
		27210	687	641			
		28580	615	564			
		29980	515	459			
		31380	389	328			
HTFC-IV-I-800	960	19486	354	341	4	68	340
		20511	342	327			
		21426	325	309			
		22381	302	285			
		23185	278	259			
		24308	232	212			
		25321	182	160			
HTFC-IV-I-800	1450	22736	566	548	7.5	73	348
		23983	548	528			
		25248	516	494			
		26368	477	453			
		27446	427	401			
		28438	367	339			
		29570	290	260			
HTFC-IV-I-800	1450	27510	689	663	11	76	400
		29020	668	639			
		30550	630	598			
		31905	583	548			
		33210	523	485			
		34410	451	410			
		35780	358	314			
HTFC-IV-I-800	1450	30020	841	810	15	78	420
		31600	810	775			
		33010	770	732			
		34480	717	676			
		35720	658	614			
		37450	551	502			
		39010	433	380			
HTFC-IV-I-900	960	26979	349	331	5.5	69	449
		28475	343	323			
		29984	331	309			
		31467	312	288			
		32963	283	257			
		34459	244	215			
		35809	198	167			
HTFC-IV-I-900	960	30576	429	406	7.5	71	496
		32352	418	393			
		33963	401	373			
		35472	376	345			
		37012	340	307			
		38470	294	258			
		39934	239	200			
HTFC-IV-I-900	1450	36144	724	692	15	78	520
		38153	708	673			
		40045	678	639			
		41901	633	590			
		43784	574	527			
		45631	497	446			
		47523	401	346			
HTFC-IV-I-900	1450	40120	807	768	18.5	79	556
		42350	791	747			
		44450	757	709			
		46510	708	655			
		48600	642	585			
		50650	557	495			
		52750	452	384			

Performance Parameter Table Of HTFC-IV-I Fan
HTFC-IV-I 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-I-900	1450	42380	859	815	22	80	568
		44730	844	795			
		47100	815	761			
		49430	768	709			
		51780	699	634			
		54130	601	530			
		56250	488	411			
HTFC-IV-I-900	1450	48030	1076	1020	30	82	634
		50820	1049	986			
		53350	1004	935			
		55720	941	866			
		58140	853	771			
		60430	736	647			
		62730	598	502			
HTFC-IV-I-1000	960	32397	437	420	7.5	72	522
		34085	424	405			
		35795	405	384			
		37395	377	354			
		38912	341	316			
		40512	289	262			
		42030	227	198			
HTFC-IV-I-1000	960	32152	637	620	11	75	552
		33988	612	593			
		35860	573	552			
		37630	522	499			
		39325	461	436			
		41065	379	351			
		42752	287	257			
HTFC-IV-I-1000	1450	35878	742	721	15	78	546
		38455	723	699			
		40993	693	665			
		43380	643	612			
		45605	573	539			
		47640	480	443			
		49658	364	323			
HTFC-IV-I-1000	1450	39825	826	800	18.5	79	582
		42685	806	776			
		45502	772	738			
		48152	717	679			
		50621	640	598			
		52880	538	492			
		55120	409	359			
HTFC-IV-I-1000	1450	37143	1062	1039	22	81	594
		39682	1028	1002			
		42300	976	947			
		44932	895	862			
		47592	777	740			
		49895	636	595			
		52146	470	425			
HTFC-IV-I-1000	1450	40857	1253	1226	30	83	660
		43650	1213	1182			
		46530	1154	1118			
		49425	1057	1017			
		52351	918	873			
		54885	752	702			
		57361	556	502			
HTFC-IV-I-1050	960	31912	607	593	11	74	660
		34169	586	570			
		36202	556	538			
		38268	510	490			
		40291	446	423			
		42277	360	335			
		44098	265	238			
HTFC-IV-I-1050	960	35690	708	690	15	77	702
		38031	690	670			
		40431	662	639			
		42730	617	592			
		45088	543	515			
		47285	445	414			
		49460	326	292			
HTFC-IV-I-1050	1450	43048	820	794	18.5	80	690
		45615	794	765			
		48211	755	723			
		50694	703	667			
		52982	635	596			
		55281	542	499			
		57642	426	380			
HTFC-IV-I-1050	1450	46922	897	866	22	82	702
		49720	869	835			
		52550	827	789			
		55256	771	728			
		57750	696	650			
		60256	595	544			
		62830	470	415			
HTFC-IV-I-1050	1450	46570	1200	1170	30	84	768
		49865	1159	1124			
		52831	1101	1062			
		55845	1009	966			
		58798	882	834			
		61697	714	661			
		64354	527	469			
HTFC-IV-I-1050	1450	48200	1413	1381	37	85	824
		51610	1363	1326			
		54680	1295	1253			
		57800	1187	1140			
		60856	1036	984			
		63856	837	780			
		66606	616	554			

Performance Parameter Table Of HTFC-IV-I Fan
HTFC-IV-I 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-I-1100	960	44399	604	581	15	76	756
		47243	595	569			
		50083	574	545			
		52570	541	509			
		55157	492	456			
		57477	427	388			
		60112	340	298			
HTFC-IV-I-1100	960	48395	684	657	18.5	78	822
		51495	674	643			
		54590	651	616			
		57301	613	575			
		60121	557	515			
		62650	484	438			
		65522	387	337			
HTFC-IV-I-1100	1450	53530	814	780	22	81	756
		56659	787	749			
		59521	751	710			
		62250	705	660			
		65230	635	585			
		68320	542	487			
		71220	432	373			
HTFC-IV-I-1100	1450	54937	1024	989	30	84	822
		58455	1007	967			
		61969	971	926			
		65046	915	865			
		68247	830	775			
		71119	718	659			
		74379	572	507			
HTFC-IV-I-1100	1450	60431	1131	1088	37	85	878
		64301	1112	1064			
		68166	1073	1019			
		71551	1011	951			
		75072	918	852			
		78231	797	725			
		81817	636	558			
HTFC-IV-I-1100	1450	65265	1279	1229	45	87	912
		69445	1258	1202			
		73619	1215	1152			
		77275	1145	1075			
		81078	1040	963			
		84489	903	819			
		88362	721	630			
HTFC-IV-I-1200	720	29505	356	349	5.5	69	726
		31334	341	333			
		33124	318	309			
		34861	289	279			
		36591	250	239			
		38341	198	186			
		39959	143	130			
HTFC-IV-I-1200	720	34079	416	406	7.5	71	762
		35191	397	386			
		38258	371	359			
		40264	338	324			
		42263	292	277			
		44285	232	216			
		46152	169	151			
HTFC-IV-I-1200	720	42785	491	476	11	73	787
		45397	466	449			
		47821	435	416			
		50162	397	376			
		52455	347	324			
		54602	284	259			
		56586	214	187			
HTFC-IV-I-1200	960	41307	722	708	15	78	804
		43868	690	674			
		46373	644	626			
		48805	585	565			
		51227	506	484			
		53678	401	377			
		55942	289	263			
HTFC-IV-I-1200	960	45438	803	786	18.5	79	870
		48255	767	748			
		51010	717	695			
		53685	651	627			
		56350	563	537			
		59046	448	419			
		61536	324	292			
HTFC-IV-I-1200	960	53956	762	738	22	79	884
		57250	724	697			
		60306	675	645			
		63258	616	583			
		66150	539	503			
		68858	442	402			
		71360	332	290			
HTFC-IV-I-1300	720	52554	427	410	11	73	835
		55383	411	392			
		58139	389	368			
		60601	359	336			
		63155	320	295			
		65555	270	243			
		67797	211	183			
HTFC-IV-I-1300	720	59912	512	490	15	76	906
		63137	494	469			
		66278	466	439			
		69085	431	402			
		71997	385	353			
		74732	325	291			
		77289	256	219			

Performance Parameter Table Of HTFC-IV-I Fan
HTFC-IV-I 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-I-1300	720	65903	576	549	18.5	77	978
		69450	555	525			
		72906	525	492			
		75994	486	450			
		79197	434	395			
		82206	368	326			
		85018	290	245			
HTFC-IV-I-1300	960	66912	682	654	22	80	932
		70514	656	625			
		74023	620	586			
		77158	573	536			
		80410	510	470			
		83465	431	388			
		86320	338	292			
HTFC-IV-I-1300	960	76280	817	781	30	82	1002
		80386	787	747			
		84386	744	700			
		87960	689	641			
		91667	614	562			
		95150	520	464			
		98405	409	349			
HTFC-IV-I-1300	960	83908	918	875	37	83	1080
		88425	885	837			
		92825	837	784			
		96756	776	718			
		100834	692	629			
		104665	588	520			
		108246	463	391			
HTFC-IV-I-1400	720	52020	523	510	15	76	996
		57135	508	493			
		62134	486	468			
		66760	453	432			
		71081	409	385			
		75558	346	319			
		79849	271	241			
HTFC-IV-I-1400	720	57222	586	571	18.5	77	1068
		62849	572	553			
		68347	546	524			
		73436	509	484			
		78189	460	431			
		83114	391	358			
		87833	306	270			
HTFC-IV-I-1400	720	62944	641	622	22	78	1092
		69134	626	603			
		75182	598	571			
		80780	559	528			
		86008	505	470			
		91425	429	390			
		96616	338	294			
HTFC-IV-I-1400	960	66232	819	798	30	83	1092
		72745	797	772			
		79109	762	732			
		85000	711	677			
		90501	642	603			
		96201	544	500			
		101664	427	378			
HTFC-IV-I-1400	960	72855	919	894	37	84	1170
		80020	895	865			
		87020	856	820			
		93500	799	758			
		99551	722	675			
		105821	613	560			
		111830	482	423			
HTFC-IV-I-1400	960	80141	1013	983	45	85	1278
		88022	989	952			
		95722	945	902			
		102850	884	834			
		109506	800	743			
		116403	680	616			
		123013	536	465			

Performance Parameter Table Of HTFC-IV-II Fan
HTFC-IV-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-II-300	2900/1450	2813/1407	274/69	264/66	0.55/0.14	58/46	53
		2951/1476	264/66	253/63			
		3081/1541	251/63	239/60			
		3210/1605	232/58	219/55			
		3340/1670	208/52	194/49			
		3462/1731	178/45	163/41			
		3595/1798	139/35	123/31			
HTFC-IV-II-300	2900/1450	2910/1455	289/72	279/70	0.75/0.17	58/46	52
		2990/1495	278/70	267/67			
		3073/1537	262/66	250/63			
		3150/1575	244/61	232/58			
		3240/1620	216/54	203/51			
		3325/1663	185/46	171/43			
		3410/1705	149/37	135/34			
HTFC-IV-II-300	2900/1450	3193/1597	312/78	299/75	1.1/0.25	59/47	56
		3281/1641	298/75	285/71			
		3365/1683	279/70	265/66			
		3450/1725	255/64	240/60			
		3531/1766	226/57	211/53			
		3610/1805	195/49	179/45			
		3693/1847	157/39	140/35			
HTFC-IV-II-350	2900/1450	4170/2085	421/105	409/102	1.1/0.25	63/50	61
		4380/2190	405/101	392/98			
		4590/2295	381/95	367/92			
		4785/2393	352/88	336/84			
		4978/2489	315/79	298/75			
		5173/2587	268/67	250/63			
		5370/2685	209/52	189/47			
HTFC-IV-II-350	2900/1450	5050/2525	463/116	446/112	1.4/0.3	65/52	63
		5260/2630	443/111	424/106			
		5465/2733	418/105	398/100			
		5670/2835	386/97	364/91			
		5860/2930	349/87	326/82			
		6050/3025	303/76	278/70			
		6240/3120	246/62	219/55			
HTFC-IV-II-350	2900/1450	5525/2763	530/133	509/127	1.9/0.4	67/54	65
		5780/2890	515/129	492/123			
		6030/3015	491/123	466/117			
		6280/3140	461/115	434/109			
		6540/3270	419/105	390/98			
		6805/3403	365/91	333/83			
		7080/3540	296/74	262/66			
HTFC-IV-II-400	1450/960	4240/2807	227/100	219/96	0.85/0.25	58/51	67
		4460/2953	223/98	214/94			
		4670/3092	217/95	207/91			
		4880/3231	207/91	197/86			
		5110/3383	190/83	179/78			
		5320/3522	165/72	153/67			
		5540/3668	133/58	120/53			

Performance Parameter Table Of HTFC-IV-II Fan
HTFC-IV-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-II-400	2900/1450	6680/3340	533/133	513/128	2.5/0.65	67/53	76
		6990/3495	508/127	487/122			
		7281/3641	476/119	453/113			
		7551/3776	439/110	414/104			
		7836/3918	393/98	366/92			
		8132/4066	336/84	307/77			
		8432/4216	268/67	237/59			
HTFC-IV-II-400	2900/1450	6500/3250	686/172	667/167	3.1/0.8	70/55	78
		6940/3470	663/166	642/161			
		7380/3690	628/157	604/151			
		7810/3905	581/145	554/139			
		8206/4103	524/131	494/124			
		8615/4308	449/112	416/104			
		9023/4512	359/90	323/81			
HTFC-IV-II-450	1450/960	5422/3590	230/101	221/97	0.85/0.25	58/50	93
		5661/3748	221/97	212/93			
		5896/3904	210/92	200/88			
		6126/4056	198/87	187/82			
		6357/4209	179/78	167/73			
		6591/4364	157/69	144/63			
		6826/4519	130/57	116/51			
HTFC-IV-II-450	1450/960	6235/4128	289/127	278/122	1.1/0.32	61/52	95
		6510/4310	279/122	267/117			
		6780/4489	266/117	252/110			
		7045/4664	250/110	235/103			
		7310/4840	227/100	211/92			
		7580/5018	199/87	182/80			
		7850/5197	164/72	146/64			
HTFC-IV-II-450	2900/1450	8240/4120	595/149	575/144	3.1/0.8	69/54	104
		8740/4370	576/144	554/139			
		9230/4615	544/136	519/130			
		9745/4873	503/126	475/119			
		10230/5115	450/113	419/105			
		10715/5358	387/97	353/88			
		11200/5600	308/77	271/68			
HTFC-IV-II-450	2900/1450	8830/4415	735/184	712/178	4.4/1.1	72/57	113
		9483/4742	706/177	680/170			
		10120/5060	669/167	639/160			
		10750/5375	622/156	588/147			
		11400/5700	560/140	522/131			
		12010/6005	485/121	443/111			
		12620/6310	392/98	345/86			
HTFC-IV-II-500	1450/960	4759/3151	238/104	233/102	0.85/0.25	58/50	105
		5132/3398	229/100	224/98			
		5500/3641	218/96	212/93			
		5895/3903	202/89	195/85			
		6281/4158	179/78	171/75			
		6658/4408	149/65	140/61			
		7035/4658	115/50	105/46			

Performance Parameter Table Of HTFC-IV-II Fan
HTFC-IV-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-II-500	1450/960	5425/3592	306/134	300/132	1.1/0.32	61/52	107
		5850/3873	296/130	289/127			
		6270/4151	281/123	273/120			
		6720/4449	260/114	251/110			
		7160/4740	231/101	221/97			
		7590/5025	193/85	181/79			
		8020/5310	148/65	135/59			
HTFC-IV-II-500	2900/1450	7343/3672	823/206	812/203	4 4/1.1	72/57	125
		8192/4096	782/196	768/192			
		9010/4505	736/184	719/180			
		9865/4933	679/170	659/165			
		10752/5376	601/150	577/144			
		11565/5783	509/127	482/121			
		12452/6226	386/97	354/89			
HTFC-IV-II-500	2900/1450	9180/4590	882/221	865/216	5.9/1.4	73/58	143
		10020/5010	841/210	820/205			
		10848/5424	783/196	759/190			
		11680/5840	704/176	676/169			
		12440/6220	614/154	582/146			
		13110/6555	513/128	478/120			
		13820/6910	394/99	355/89			
HTFC-IV-II-550	1450/960	6654/4405	288/126	282/124	1.3/0.6	62/54	126
		7185/4757	284/124	276/121			
		7719/5111	276/121	267/117			
		8219/5442	260/114	250/110			
		8702/5761	237/104	226/99			
		9211/6098	200/88	188/82			
		9719/6435	156/68	142/62			
HTFC-IV-II-550	1450/960	7585/5022	366/160	358/157	2.2/0.7	65/56	125
		8191/5423	360/158	350/153			
		8800/5826	350/153	339/149			
		9370/6204	330/145	317/139			
		9920/6568	301/132	287/126			
		10500/6952	255/112	239/105			
		11080/7336	198/87	180/79			
HTFC-IV-II-550	2900/1450	11600/5800	734/184	714/179	5.9/1.4	74/59	153
		12410/6205	704/176	681/170			
		13210/6605	662/166	636/159			
		14020/7010	607/152	578/145			
		14810/7405	536/134	504/126			
		15620/7810	445/111	409/102			
		16400/8200	341/85	302/76			
HTFC-IV-II-550	2900/1450	13520/6760	902/226	875/219	8/2	76/61	164
		14325/7163	867/217	837/209			
		15110/7555	817/204	784/196			
		15880/7940	757/189	720/180			
		16610/8305	685/171	645/161			
		17380/8690	593/148	549/137			
		18130/9065	490/123	442/111			

Performance Parameter Table Of HTFC-IV-II Fan
HTFC-IV-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-II-600	1450/960	8267/5473	292/128	285/125	1.8/0.6	62/54	145
		8705/5763	285/125	277/121			
		9143/6053	273/120	264/116			
		9588/6348	254/111	244/107			
		9997/6619	228/100	217/95			
		10400/6886	191/84	179/78			
		10795/7147	148/65	135/59			
HTFC-IV-II-600	1450/960	9838/6513	363/159	353/155	2.2/0.7	65/56	144
		10359/6858	355/156	343/150			
		10880/7203	340/149	327/143			
		11410/7554	316/139	302/132			
		11897/7877	284/124	269/118			
		12376/8194	238/104	222/97			
		12846/8505	185/81	167/73			
HTFC-IV-II-600	2900/1450	14570/7285	883/221	860/215	8/2	77/62	183
		15560/7780	832/208	806/202			
		16510/8255	769/192	740/185			
		17360/8680	700/175	668/167			
		18270/9135	613/153	577/144			
		19230/9615	506/127	466/117			
		20110/10055	390/98	347/87			
HTFC-IV-II-600	2900/1450	15820/7910	1001/250	974/244	12.5/2.8	79/64	225
		17020/8510	969/242	938/235			
		18260/9130	922/231	886/222			
		19530/9765	857/214	816/204			
		20750/10375	764/191	718/180			
		21980/10990	648/162	596/149			
		23220/11610	506/127	448/112			
HTFC-IV-II-650	1450/960	10937/7241	336/147	326/143	2.2/0.7	66/57	179
		11544/7643	329/144	318/139			
		12131/8032	318/139	306/134			
		12756/8445	298/131	285/125			
		13318/8817	271/119	257/113			
		13889/9195	233/102	217/95			
		14477/9585	184/81	167/73			
HTFC-IV-II-650	1450/960	12468/8255	404/177	391/171	3.2/1.1	68/59	189
		13160/8713	395/173	381/167			
		13829/9156	382/167	367/161			
		14542/9628	359/157	342/150			
		15182/10052	327/143	308/135			
		15834/10483	280/123	260/114			
		16504/10927	222/97	200/88			
HTFC-IV-II-650	1450/960	14214/9411	474/208	458/201	4.7/1.5	70/61	206
		15002/9932	464/203	446/195			
		15765/10438	449/197	429/188			
		16578/10976	422/185	400/175			
		17308/11459	384/168	360/158			
		18051/11951	330/145	304/133			
		18814/12456	263/115	234/103			

Performance Parameter Table Of HTFC-IV-II Fan
HTFC-IV-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-II-650	1450/960	16630/11010	560/245	538/236	6.7/2.2	72/63	218
		17552/11621	549/241	524/230			
		18445/12212	531/233	504/221			
		19396/12841	500/219	470/206			
		20250/13407	456/200	423/185			
		21120/13983	393/172	357/156			
		22012/14573	314/138	275/121			
HTFC-IV-II-700	1450/960	15419/10208	599/263	584/256	6.7/2.2	72/63	236
		16352/10826	581/255	564/247			
		17186/11378	553/242	535/235			
		18000/11917	514/225	494/217			
		18797/12445	462/203	440/193			
		19559/12949	392/172	368/161			
		20297/13438	307/135	282/124			
HTFC-IV-II-700	1450/960	18195/12046	695/305	675/296	9.5/3.1	74/65	278
		19295/12775	674/295	651/285			
		20280/13427	643/282	618/271			
		21240/14052	599/263	571/250			
		22180/14635	538/236	508/223			
		23080/15281	458/201	425/186			
		23950/15857	361/158	326/143			
HTFC-IV-II-700	1450/960	22850/15128	794/348	762/334	·2/4	77/68	295
		24310/16095	773/339	736/323			
		25750/17048	739/324	698/306			
		27210/18015	687/301	641/281			
		28580/18922	615/270	564/247			
		29980/19849	515/226	459/201			
		31380/20776	389/171	328/144			
HTFC-IV-II-800	1450/960	22736/15053	566/248	548/240	9.5/3.1	73/64	328
		23983/15878	548/240	528/231			
		25248/16716	516/226	494/217			
		26368/17457	477/209	453/199			
		27446/18171	427/187	401/176			
		28438/18828	367/161	339/149			
		29570/19577	290/127	260/114			
HTFC-IV-II-800	1450/960	27510/18214	689/302	663/291	·2/4	76/67	345
		29020/19213	668/293	639/280			
		30550/20226	630/276	598/262			
		31905/21123	583/256	548/240			
		33210/21937	523/229	485/213			
		34410/22782	451/198	410/180			
		35780/23689	358/157	314/138			
HTFC-IV-II-800	1450/960	30020/19875	841/369	810/355	15.5/5.1	78/69	372
		31600/20921	810/355	775/340			
		33010/21855	770/338	732/321			
		34480/22828	717/314	676/296			
		35720/23649	658/288	614/269			
		37450/24794	551/242	502/220			
		39010/25827	433/190	380/167			

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of HTFC-IV-II Fan
HTFC-IV-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-II-900	1450/960	36144/23930	724/317	692/303	15.5/5.1	78/69	455
		38153/25260	708/310	673/295			
		40045/26513	678/297	639/280			
		41901/27741	633/277	590/259			
		43784/28988	574/252	527/231			
		45631/30211	497/218	446/195			
		47523/31464	401/176	346/152			
HTFC-IV-II-900	1450/960	40120/26562	807/354	768/337	18/6.2	79/70	471
		42350/28039	791/347	747/327			
		44450/29429	757/332	709/311			
		46510/30793	708/310	655/287			
		48600/32177	642/281	585/256			
		50650/33534	557/244	495/217			
		52750/34924	452/198	384/168			
HTFC-IV-II-900	1450/960	42380/28058	859/377	815/357	22/8	80/71	514
		44730/29614	844/370	795/348			
		47100/31183	815/357	761/334			
		49430/32726	768/337	709/311			
		51780/34282	699/306	634/278			
		54130/35838	601/263	530/232			
		56250/37241	488/214	411/180			
HTFC-IV-II-900	1450/960	48030/31799	1076/472	1020/447	33/11	82/73	575
		50820/33646	1049/460	986/432			
		53350/35321	1004/440	935/410			
		55720/36890	941/412	866/380			
		58140/38493	853/374	771/338			
		60430/40009	736/323	647/284			
		62730/41532	598/262	502/220			
HTFC-IV-II-1000	960/720	32397/24298	437/246	420/236	9/4.5	72/65	446
		34085/25564	424/239	405/228			
		35795/26846	405/228	384/216			
		37395/28046	377/212	354/199			
		38912/29184	341/192	316/178			
		40512/30384	289/163	262/147			
		42030/31523	227/128	198/111			
HTFC-IV-II-1000	960/720	32152/24114	637/358	620/349	13/6.5	75/68	481
		33988/25491	612/344	593/334			
		35860/26895	573/322	552/311			
		37630/28223	522/294	499/281			
		39325/29494	461/259	436/245			
		41065/30799	379/213	351/197			
		42752/32064	287/161	257/145			
HTFC-IV-II-1000	1450/960	35878/23754	742/325	721/316	15.5/5.1	78/69	477
		38455/25460	723/317	699/306			
		40993/27140	693/304	665/291			
		43380/28721	643/282	612/268			
		45605/30194	573/251	539/236			
		47640/31541	480/210	443/194			
		49658/32877	364/160	323/142			

Performance Parameter Table Of HTFC-IV-II Fan
HTFC-IV-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-II-1000	1450/960	39825/26367	826/362	800/351	18/6.2	79/70	493
		42685/28260	806/353	776/340			
		45502/30125	772/338	738/323			
		48152/31830	717/314	679/298			
		50621/33515	640/281	598/262			
		52880/35010	538/236	492/216			
		55120/36493	409/179	359/157			
HTFC-IV-II-1000	1450/960	37143/24591	1062/466	1039/455	22/8	81/72	536
		39682/26272	1028/451	1002/439			
		42300/28006	976/428	947/415			
		44932/29748	895/392	862/378			
		47592/31509	777/341	740/324			
		49895/33034	636/279	595/261			
		52146/34524	470/206	425/186			
HTFC-IV-II-1000	1450/960	40857/27050	1253/549	1226/537	33/11	83/74	597
		43650/28899	1213/532	1182/518			
		46530/30806	1154/506	1118/490			
		49425/32723	1057/463	1017/446			
		52351/34660	918/402	873/383			
		54885/36338	752/330	702/308			
		57361/37977	556/244	502/220			
HTFC-IV-II-1050	960/720	31912/23934	607/341	593/334	13/6.5	74/68	571
		34169/25627	586/330	570/321			
		36202/27152	556/313	538/303			
		38268/28701	510/287	490/276			
		40291/30218	446/251	423/238			
		42277/31708	360/203	335/188			
		44098/33074	265/149	238/134			
HTFC-IV-II-1050	960/720	35690/26768	708/398	690/388	17/8.5	77/70	624
		38031/28523	690/388	670/377			
		40431/30323	662/372	639/359			
		42730/32048	617/347	592/333			
		45088/33816	543/305	515/290			
		47285/35464	445/250	414/233			
		49460/37095	326/183	292/164			
HTFC-IV-II-1050	1450/960	43048/28501	820/359	794/348	18/6.2	80/71	583
		45615/30200	794/348	765/335			
		48211/31919	755/331	723/317			
		50694/33563	703/308	667/292			
		52982/35078	635/278	596/261			
		55281/36600	542/238	499/219			
		57642/38163	426/187	380/167			
HTFC-IV-II-1050	1450/960	46922/31066	897/393	866/380	22/8	82/73	626
		49720/32918	869/381	835/366			
		52550/34792	827/363	789/346			
		55256/36583	771/338	728/319			
		57750/38234	696/305	650/285			
		60256/39894	595/261	544/238			
		62830/41598	470/206	415/182			

Performance Parameter Table Of HTFC-IV-II Fan
HTFC-IV-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-II-1050	1450/960	46570/30833	1200/526	1170/513	33/11	84/75	667
		49865/33014	1159/508	1124/493			
		52831/34978	1101/483	1062/466			
		55845/36973	1009/442	966/423			
		58798/38928	882/387	834/366			
		61697/40848	714/313	661/290			
		64354/42607	527/231	469/206			
HTFC-IV-II-1050	1450/960	48200/31912	1413/619	1381/605	38/13	86/77	715
		51610/34169	1363/597	1326/581			
		54680/36202	1295/568	1253/549			
		57800/38268	1187/520	1140/500			
		60856/40291	1036/454	984/431			
		63856/42277	837/367	780/342			
		66606/44098	616/270	554/243			
HTFC-IV-II-1100	960/720	44399/33299	604/340	581/327	17/8.5	76/70	669
		47243/35432	595/335	569/320			
		50083/37562	574/323	545/307			
		52570/39428	541/304	509/286			
		55157/41368	492/277	456/257			
		57477/43108	427/240	388/218			
		60112/45084	340/191	298/168			
HTFC-IV-II-1100	960/720	48395/36296	684/385	657/370	21/11	78/72	681
		51495/38621	674/379	643/362			
		54590/40943	651/366	616/347			
		57301/42976	613/345	575/323			
		60121/45091	557/313	515/290			
		62650/46988	484/272	438/246			
		65522/49142	387/218	337/190			
HTFC-IV-II-1100	1450/960	53530/35441	814/357	780/342	22/8	81/72	671
		56659/37512	787/345	749/328			
		59521/39407	751/329	710/311			
		62250/41214	705/309	660/289			
		65230/43187	635/278	585/256			
		68320/45233	542/238	487/213			
		71220/47153	432/189	373/163			
HTFC-IV-II-1100	1450/960	54937/36372	1024/449	989/434	33/11	84/75	732
		58455/38701	1007/441	967/424			
		61969/41028	971/426	926/406			
		65046/43065	915/401	865/379			
		68247/45184	830/364	775/340			
		71119/47086	718/315	659/289			
		74379/49244	572/251	507/222			
HTFC-IV-II-1100	1450/960	60431/40009	1131/496	1088/477	38/13	85/76	760
		64301/42572	1112/487	1064/466			
		68166/45131	1073/470	1019/447			
		71551/47372	1011/443	951/417			
		75072/49703	918/402	852/373			
		78231/51794	797/349	725/318			
		81817/54168	636/279	558/245			

Performance Parameter Table Of HTFC-IV-II Fan
HTFC-IV-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-II-1100	1450/960	65265/43210	1279/561	1229/539	47/16	87/78	836
		69445/45977	1258/551	1202/527			
		73619/48741	1215/533	1152/505			
		77275/51151	1145/502	1075/471			
		81078/53679	1040/456	963/422			
		84489/55938	903/396	819/359			
		88362/58502	721/316	630/276			
HTFC-IV-II-1200	960/720	41307/30980	722/406	708/398	17/8.5	78/71	709
		43868/32901	690/388	674/379			
		46373/34780	644/362	626/352			
		48805/36604	585/329	565/318			
		51227/38420	506/285	484/272			
		53678/40259	401/226	377/212			
		55942/41957	289/163	263/148			
HTFC-IV-II-1200	960/720	45438/34079	803/452	786/442	21/11	79/73	721
		48255/36191	767/431	748/421			
		51010/38258	717/403	695/391			
		53685/40264	651/366	627/353			
		56350/42263	563/317	537/302			
		59046/44285	448/252	419/236			
		61536/46152	324/182	292/164			
HTFC-IV-II-1200	960/720	53956/40467	762/429	738/415	25/12	79/73	760
		57250/42938	724/407	697/392			
		60306/45230	675/380	645/363			
		63258/47444	616/347	583/328			
		66150/49613	539/303	503/283			
		68858/51644	442/249	402/226			
		71360/53520	332/187	290/163			
HTFC-IV-II-1300	960/720	66912/50184	682/384	654/368	25/12	80/73	800
		70514/52886	656/369	625/352			
		74023/55517	620/349	586/330			
		77158/57859	573/322	536/302			
		80410/60308	510/287	470/264			
		83465/62599	431/242	388/218			
		86320/64740	338/190	292/164			
HTFC-IV-II-1300	960/720	76280/57210	817/460	781/439	30/15	82/75	825
		80386/60290	787/443	747/420			
		84386/63290	744/419	700/394			
		87960/65970	689/388	641/361			
		91667/68750	614/345	562/316			
		95150/71363	520/293	464/261			
		98405/73804	409/230	349/196			
HTFC-IV-II-1300	960/720	83908/62931	918/516	875/492	37/22	83/77	912
		88425/66319	885/498	837/471			
		92825/69619	837/471	784/441			
		96756/72567	776/437	718/404			
		100834/75626	692/389	629/354			
		104665/78499	588/331	520/293			
		108246/81185	463/260	391/220			

Performance Parameter Table Of HTFC-IV-II Fan
HTFC-IV-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-IV-II-1400	960/720	66232/49674	819/461	798/449	30/15	83/77	900
		72745/54559	797/448	772/434			
		79109/59332	762/429	732/412			
		85000/63750	711/400	677/381			
		90501/67876	642/361	603/339			
		96201/72151	544/306	500/281			
		101664/76248	427/240	378/213			
HTFC-IV-II-1400	960/720	72855/54641	919/517	894/503	37/22	84/78	967
		80020/60015	895/503	865/487			
		87020/65265	856/482	820/461			
		93500/70125	799/449	758/426			
		99551/74663	722/406	675/380			
		105821/79366	613/345	560/315			
		111830/83873	482/271	423/238			
HTFC-IV-II-1400	960/720	80141/60106	1013/570	983/553	45/22	86/79	1062
		88022/66017	989/556	952/536			
		95722/71792	945/532	902/507			
		102850/77138	884/497	834/469			
		109506/82130	800/450	743/418			
		116403/87302	680/383	616/347			
		123013/92260	536/302	465/262			

5 Product performance curve
产品性能曲线

Each model fan is represented by a cluster of curves showing the performance of different models.

The brown curve represents the performance of the fan at single speed or at high speed at two speeds.

The green curve represents the low-speed performance of the fan at two speeds.

The curve shows the performance of the fan in the standard state. When the service conditions are different from the standard state, it should be converted according to the relevant formula.

The shaft power curve shows the actual power consumption of the fan.

Note: When ordering, please specify the installation method: ventilation type/fire protection type, hoisting/landing, tuyere position, indoor/outdoor, junction box position, etc.

每个机号风机由一簇曲线表示不同型号的性能。

棕色曲线代表风机单速时性能或双速时高速档性能。

绿色曲线代表风机双速时低速档性能。

曲线显示为风机在标准状态下的性能，当使用条件与标准状态有不同时应按有关公式换算。

轴功率曲线显示风机实际耗用的电能。

注：订货时请说明安装方式：通风型 / 消防型，吊装 / 落地，风口位置，室内 / 室外，以及接线盒位置等。

Example: HTFC-IV-II-900-22/8, air volume 49430/32726m³/h h, pressure 768/337Pa

A, take the vertical line from the air volume coordinate of 49430m/h and the horizontal line from the pressure coordinate of 768Pa, and the intersection point is the 'working point";

B, starting from the intersection of the vertical line of air volume and the shaft power curve with the same number, make a horizontal line and cross the shaft power coordinate, which is about 14.3kW, that is, the actual power consumption. In the same way, starting from the intersection of the vertical line of air volume and the noise curve with the same number, make a horizontal line, which is about 80 dB (a) at the noise coordinate;

C. The "working point", corresponding power consumption and noise can be obtained in the low gear.

D, If the "working point" is below the selected curve, it means that the performance is positive deviation with allowance, and above the selected curve, it means that the performance is negative deviation. Deviation should meet the requirements.

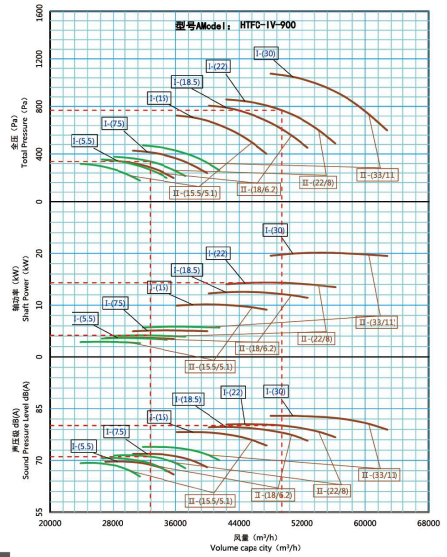
选型举例：HTFC-IV-II-900-22/8 风量 49430/32726m³/h，压力 768/337Pa

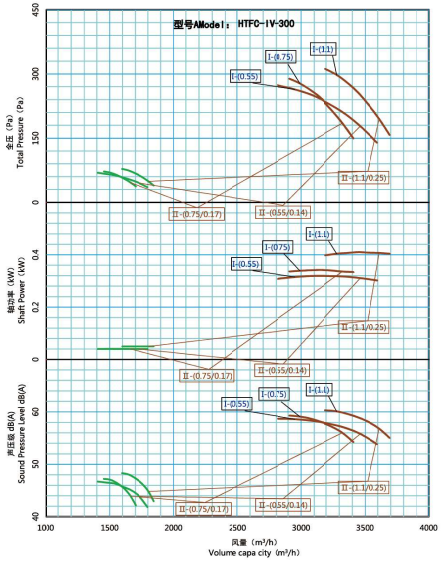
a、从风量坐标 49430m³/h 出发作垂直线，压力坐标 768Pa 出发作水平线，其交点即为“工作点”；

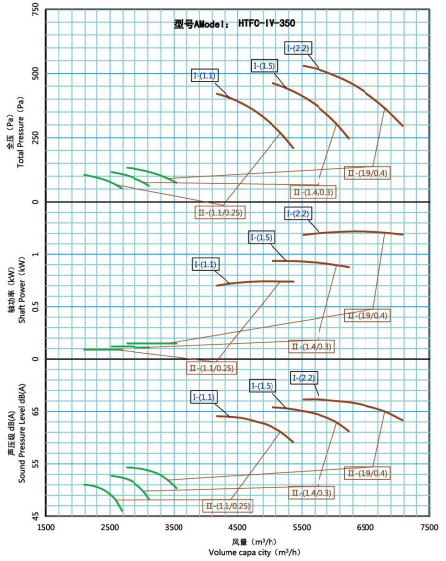
b、从风量垂直线与相同编号的轴功率曲线交点出发作水平线，交于轴功率坐标，约为 14.3kW 即为实需功耗。同理，从风量垂直线与相同编号的噪声曲线交点出发作水平线，交于噪声坐标，约为 80dB(A)；

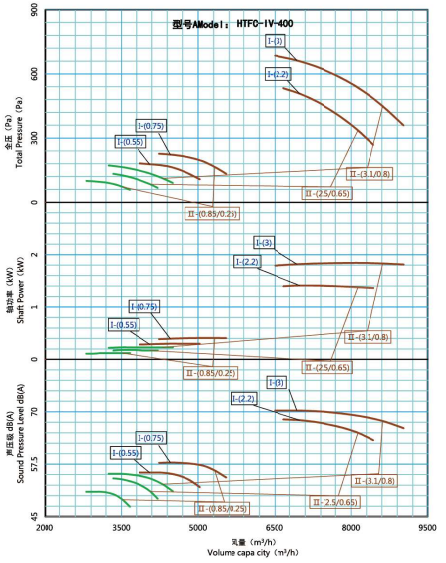
c、低速档同理取得‘工作点”、相应的功耗和噪声。

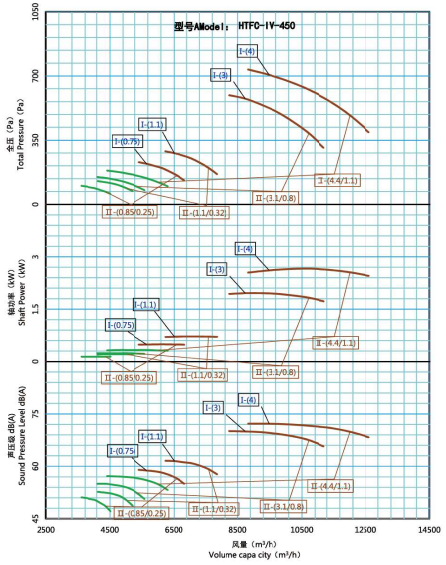
d、若“工作点”在选择曲线的下方，说明性能为正偏差有余量，在选择曲线的上方，说明性能为负偏差。偏差应符合要求。

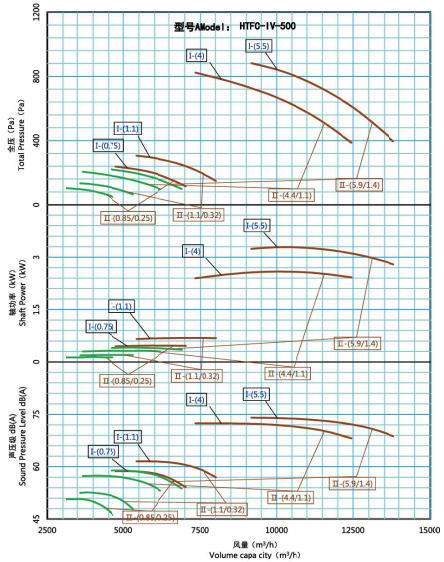


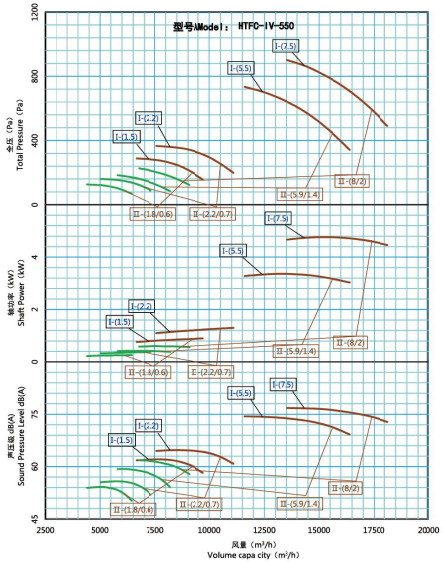


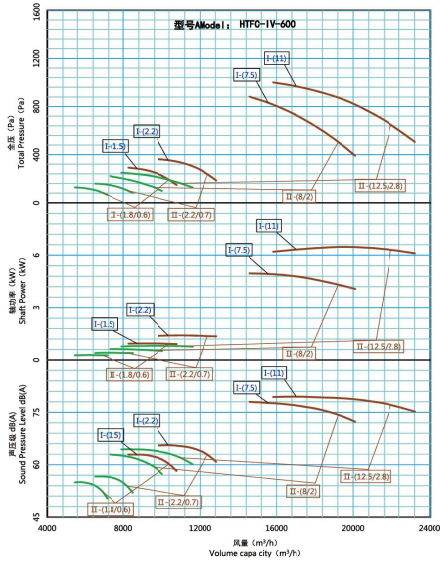


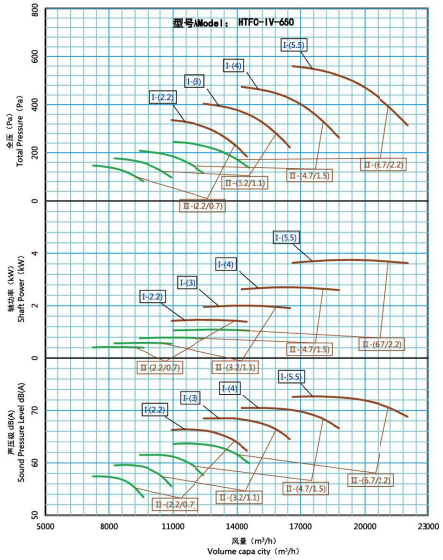


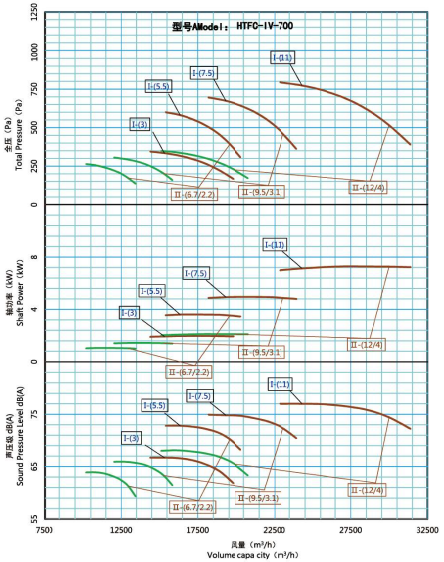


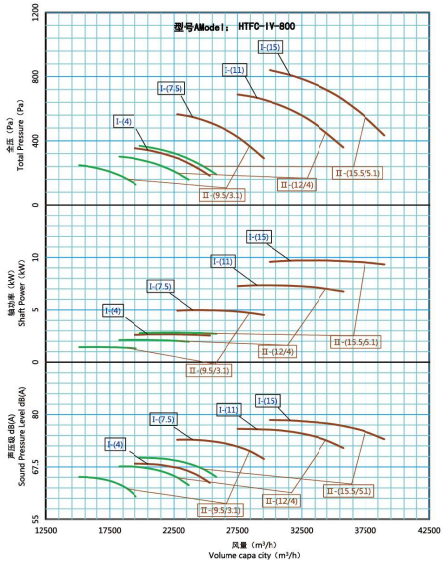

型号AModel： HTFC-IV-500
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 dB(A) Sound Pressure Level dB(A)
风量 (m³/h) Volume capa city (m³/h)

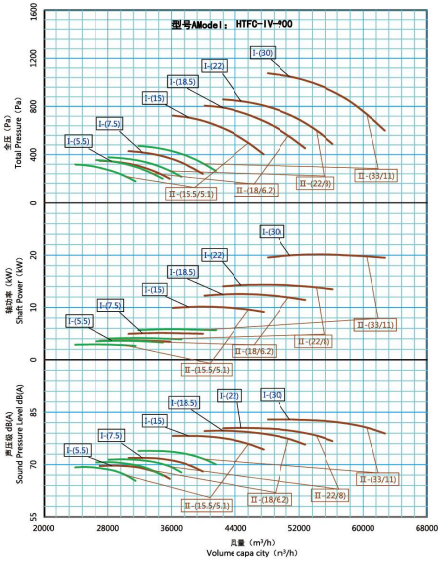

型号AModel： HTFC-IV-550
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 dB(A) Sound Pressure Level dB(A)
风量 (m³/h) Volume capa city (m³/h)

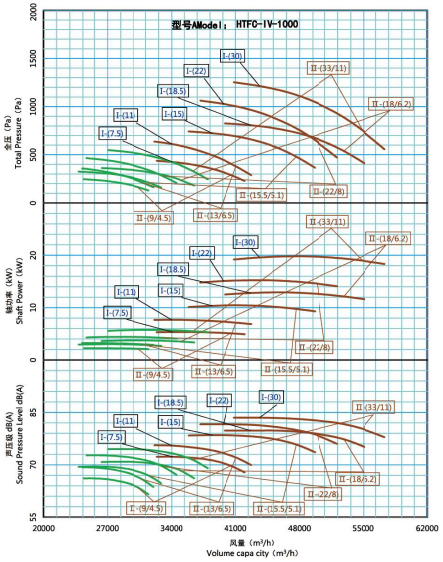

型号AModel： HTFC-IV-600
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 dB(A) Sound Pressure Level dB(A)
风量 (m³/h) Volume capa city (m³/h)

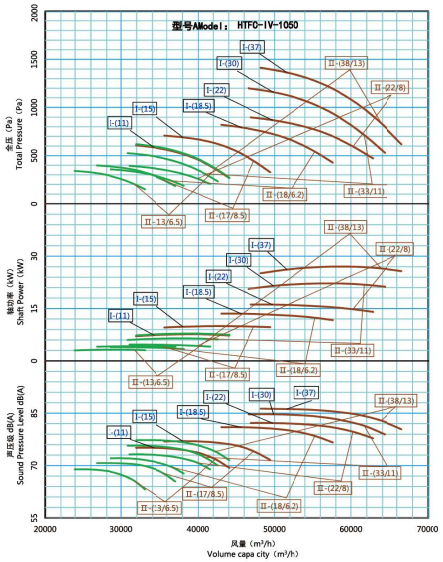

型号AModel： HTFC-IV-650
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 dB(A) Sound Pressure Level dB(A)
风量 (m³/h) Volume capa city (m³/h)

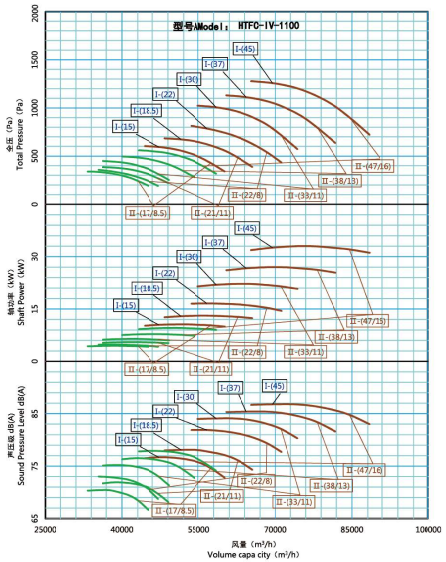

型号AModel： HTFC-IV-700
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 dB(A) Sound Pressure Level dB(A)
风量 (m³/h) Volume capa city (m³/h)

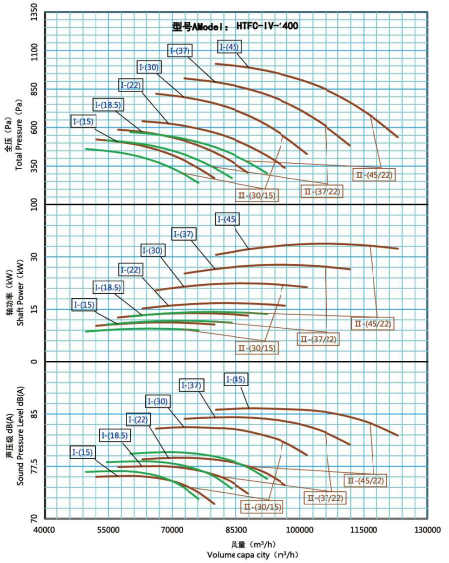

型号AModel： HTFC-IV-800
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 dB(A) Sound Pressure Level dB(A)
风量 (m³/h) Volume capa city (m³/h)

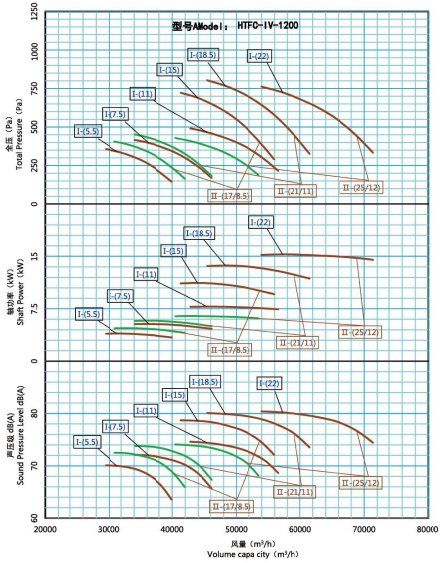

型号AModel： HTFC-IV-900
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 dB(A) Sound Pressure Level dB(A)
风量 (m³/h) Volume capa city (m³/h)

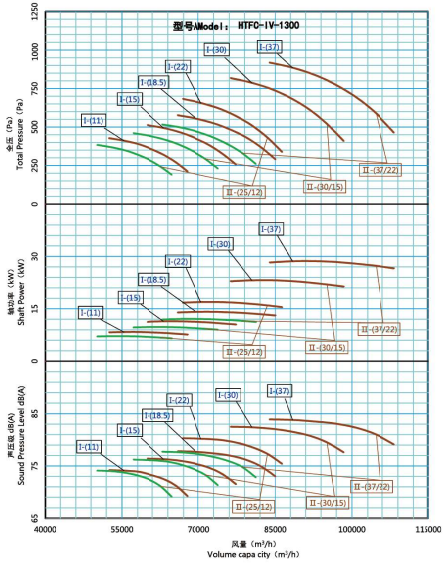

型号AModel： HTFC-IV-1000
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 dB(A) Sound Pressure Level dB(A)
风量 (m³/h) Volume capa city (m³/h)


型号/Model： HTFC-IV-1050
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 dB(A) Sound Pressure Level dB(A)
风量 (m³/h) Volume capa city (m³/h)


型号/Model： HTFC-IV-1100
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 dB(A) Sound Pressure Level dB(A)
风量 (m³/h) Volume capa city (m³/h)

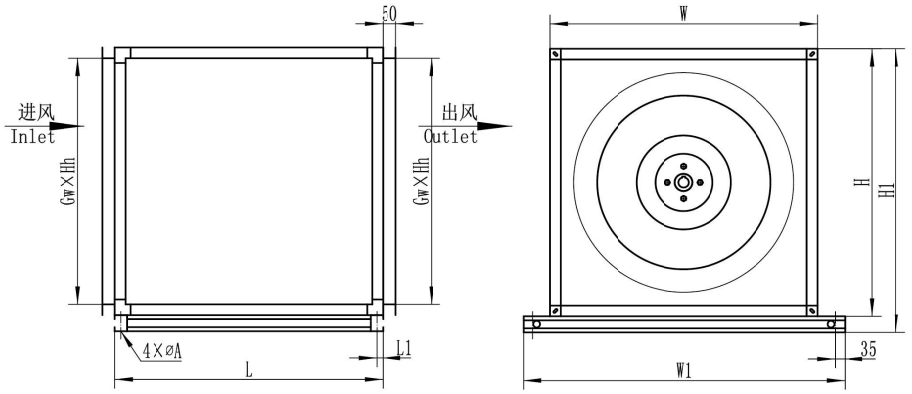

型号/Model： HTFC-IV-1400
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 dB(A) Sound Pressure Level dB(A)
风量 (m³/h) Volume capa city (m³/h)


型号/Model： HTFC-IV-1200
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 dB(A) Sound Pressure Level dB(A)
风量 (m³/h) Volume capa city (m³/h)


型号/Model： HTFC-IV-1300
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 dB(A) Sound Pressure Level dB(A)
风量 (m³/h) Volume capa city (m³/h)

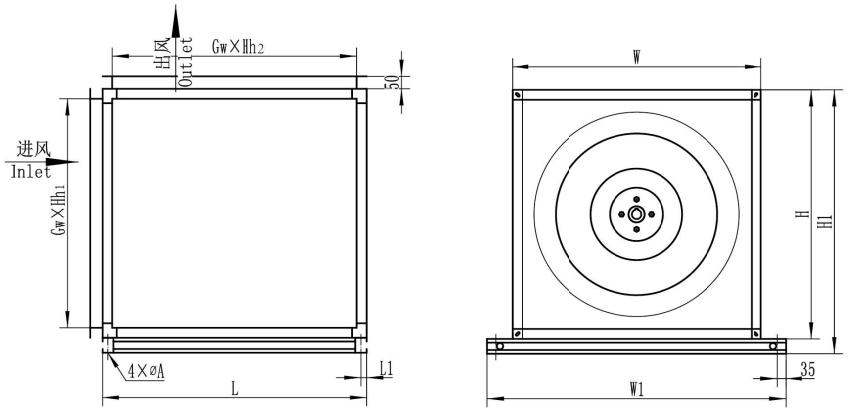
TwoSun SHUANGYANG FAN

4 Overall Dimensions
外形尺寸



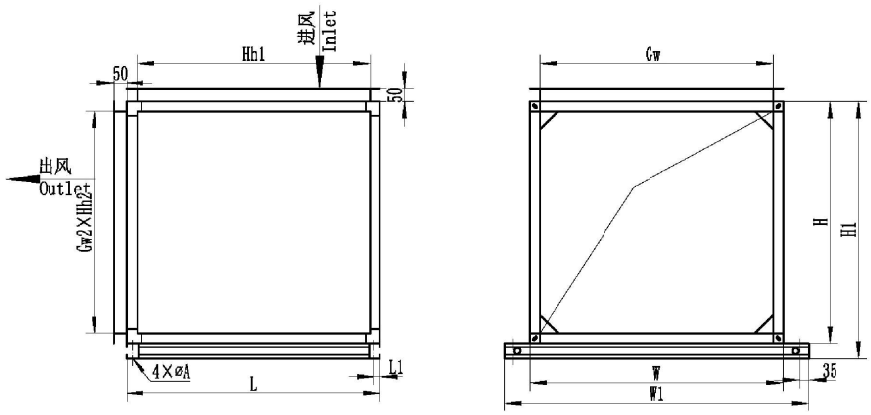
尺寸size / 机型model	L	L1	W	W1	H	H1	Gw	Hh	4-φA
HTFC-IV-300	460	20	520	720	520	570	440	440	4-φ14
HTFC-IV-350	520	20	590	790	590	640	510	510	4-φ14
HTFC-IV-400	550	20	650	850	650	700	570	570	4-φ14
HTFC-IV-450	600	20	710	910	710	760	630	630	4-φ14
HTFC-IV-500	650	22.5	770	970	770	830	690	690	4-φ14
HTFC-IV-550	650	22.5	830	1030	830	890	750	750	4-φ14
HTFC-IV-600	790	22.5	890	1090	890	950	810	810	4-φ14
HTFC-IV-650	790	22.5	950	1150	950	1010	870	870	4-φ14
HTFC-IV-700	820	22.5	1010	1210	1010	1070	930	930	4-φ14
HTFC-IV-800	860	22.5	1155	1355	1155	1215	1075	1075	4-φ14
HTFC-IV-900	970	22.5	1275	1475	1275	1355	1175	1175	4-φ16
HTFC-IV-1000	1060	22.5	1395	1595	1395	1475	1295	1295	4-φ16
HTFC-IV-1050	1100	22.5	1450	1650	1450	1530	1350	1350	4-φ16
HTFC-IV-1100	1050	22.5	1510	1710	1510	1590	1410	1410	4-φ16
HTFC-IV-1200	1080	22.5	1635	1835	1635	1715	1535	1535	4-φ16
HTFC-IV-1300	1140	22.5	1755	1955	1755	1835	1655	1655	4-φ16
HTFC-IV-1400	1250	25	1870	2070	1870	1970	1770	1770	4-φ19

注：上表为直联0°进 0°出风尺寸。



尺寸size / 机型model	L	L1	W	W1	H	H1	Gw	Hh1/Hh2	4-φA
HTFC-IV-300	520	20	520	720	520	570	440	440/440	4-φ14
HTFC-IV-350	590	20	590	790	590	640	510	510/510	4-φ14
HTFC-IV-400	600	20	650	850	650	700	570	570/520	4-φ14
HTFC-IV-450	650	20	710	910	710	760	630	630/570	4-φ14
HTFC-IV-500	700	22.5	770	970	770	830	690	690/620	4-φ14
HTFC-IV-550	750	22.5	830	1030	830	890	750	750/670	4-φ14
HTFC-IV-600	790	22.5	890	1090	890	950	810	810/710	4-φ14
HTFC-IV-650	820	22.5	950	1150	950	1010	870	870/740	4-φ14
HTFC-IV-700	850	22.5	1010	1210	1010	1070	930	930/770	4-φ14
HTFC-IV-800	900	22.5	1155	1355	1155	1215	1075	1075/820	4-φ14
HTFC-IV-900	1000	22.5	1275	1475	1275	1355	1175	1175/900	4-φ16
HTFC-IV-1000	1100	22.5	1395	1595	1395	1475	1295	1295/1000	4-φ16
HTFC-IV-1050	1150	22.5	1450	1650	1450	1530	1350	1350/1050	4-φ16
HTFC-IV-1100	1200	22.5	1510	1710	1510	1590	1410	1410/1100	4-φ16
HTFC-IV-1200	1300	22.5	1635	1835	1635	1715	1535	1530/1200	4-φ16
HTFC-IV-1300	1400	22.5	1755	1955	1755	1835	1655	1655/1300	4-φ16
HTFC-IV-1400	1500	25	1870	2070	1870	1970	1770	1770/1400	4-φ19

注：上表为直联 0°进 90°出风尺寸，左右出风参考此尺寸。



尺寸size / 机型model	L	L1	W	W1	H	H1	Gw	Hh1/Hh2	4-φA
HTFC-IV-300	520	20	520	720	520	570	440	440/440	4-φ14
HTFC-IV-350	590	20	590	790	590	640	510	510/510	4-φ14
HTFC-IV-400	650	20	650	850	600	650	570	570/520	4-φ14
HTFC-IV-450	710	20	710	910	650	700	630	630/570	4-φ14
HTFC-IV-500	770	22.5	770	970	700	760	690	690/620	4-φ14
HTFC-IV-550	830	22.5	830	1030	750	810	750	750/670	4-φ14
HTFC-IV-600	890	22.5	890	1090	790	850	810	810/710	4-φ14
HTFC-IV-650	950	22.5	950	1150	820	880	870	870/740	4-φ14
HTFC-IV-700	1010	22.5	1010	1210	850	910	930	930/770	4-φ14
HTFC-IV-800	1155	22.5	1155	1355	900	960	1075	1075/820	4-φ14
HTFC-IV-900	1275	22.5	1275	1475	1000	1080	1175	1175/900	4-φ16
HTFC-IV-1000	1395	22.5	1395	1595	1100	1180	1295	1295/1000	4-φ16
HTFC-IV-1050	1450	22.5	1450	1650	1150	1230	1350	1350/1050	4-φ16
HTFC-IV-1100	1510	22.5	1510	1710	1200	1280	1410	1410/1100	4-φ16
HTFC-IV-1200	1635	22.5	1635	1835	1300	1380	1535	1530/1200	4-φ16
HTFC-IV-1300	1755	22.5	1755	1955	1400	1480	1655	1655/1300	4-φ16
HTFC-IV-1400	1870	25	1870	2070	1500	1600	1770	1770/1400	4-φ19

注：上表为直联90°进0°出风尺寸，其它出风参考此尺寸。

Optional accessories

1. Import and export reverse flange

Butt flange of air duct and fan is convenient for matching on site.

2. Import and export soft joint (fire-fighting type/ordinary type is equipped with fan)

The flexible connection device between the fan and the air duct is convenient for installation and maintenance, and effectively reduces noise and vibration.

3. Shock absorber

Optional lifting or floor mounting type, rubber or spring can be used as material. According to the weight of fans, there are generally four fans per fan. Unload the dynamic load of the fan, prevent the horizontal displacement of the fan, ensure the smooth operation of the fan and reduce the running noise.

4. Import and export protective net

A protective net is a protective device for people and equipment.

5, junction box rain cover, import and export rain cover

When the fan is installed outdoors, it can effectively prevent rainwater from entering the fan from the air inlet and outlet.

可选配件

1、进出口反法兰

风管与风机的对接法兰，方便现场配套。

2、进出口软接头（消防型 / 普通型按风机配）

风机与风管间柔性连接装置，便于安装维护，有效减小噪声和震动。

3、减振器

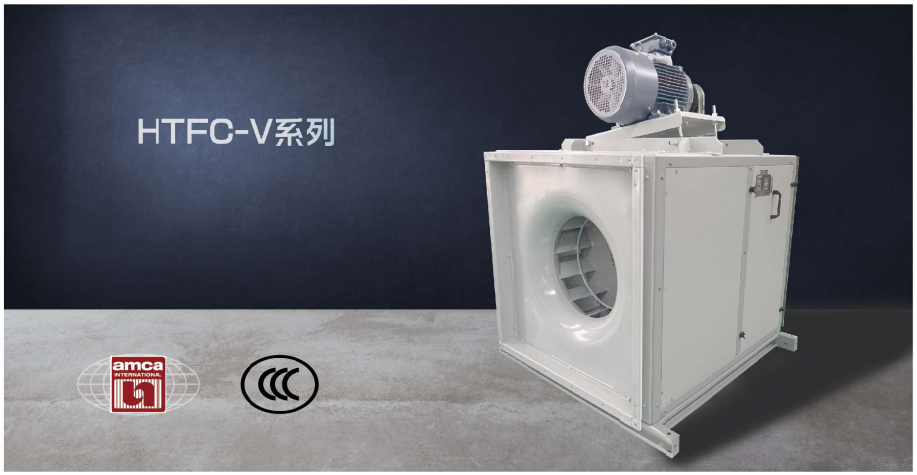
可选吊装或落地安装型，材料可选橡胶或弹簧。根据风机重量配置一般为每台四个。卸载风机动载荷，防止风机水平位移，保证风机平稳运行，降低运行噪音。

4、进出口防护网

防护网是人员和设备的保护装置。

5、接线盒防雨罩、进出口防雨罩

风机室外安装时，能有效防止雨水从进出风口进入风机内部。



HTFC-V Series centrifugal Fire and Smoke Exhaust Fan
HTFC-V Series Low Noise Cabinet Fan

HTFC-V系列离心式消防排烟风机/低噪声柜式风机

1 Product Features
产品特点

HTFC-V Series Centrifugal fire smoke exhaust fan (voluteless cabinet fan), with backward-curved blades, is a kind of centrifugal fan box that has simple structure and low noise. The main structure of this fan mainly consists of blade, motor, bracket, side panel for noise elimination, etc. Different inlet and outlet angles can be set as the different installation positions for users' requirements. The motor is placed inside of the fan box for noise reduction. With ten specifications of impeller diameter (425-900mm), this type is mainly used in hotels, auditoriums, basements, etc.

HTFC-V 系列风机采用箱形设计，叶轮主要由后倾叶片、与流线型入口精密配合的前盘组成，气体通过流线型入口吸入叶轮直接加压，减少因紊流造成的效率损失，高效区宽、噪音低，同时结构上更为紧凑，节约安装空间。

High-strength frame structure, light weight, good sealing, and better appearance. At the same time, sound attenuation measures can be configured according to requirements.

高强度的框架结构，重量轻，密封性好，拥有更好的外观度，同时可根据需求配置消音措施。

Direct drive has the characteristics of higher transmission efficiency, no wearing parts, low maintenance rate and more compact structure. The performance coverage of belt transmission type is wider, the type selection is more accurate, and it can be flexibly adjusted according to the needs of the site.

直联驱动拥有更高的传动效率、无易损件，维护率低、结构更紧凑的特点。皮带传动型的性能覆盖范围更为宽广，选型更精确，并且可以根据现场需要灵活调节的特点。

A variety of different air outlet directions can meet the design requirements of various pipe networks, making site construction more simple and flexible.

多种不同的出风方向，可满足各种不同的管网设计要求，让现场施工更为简便、灵活。

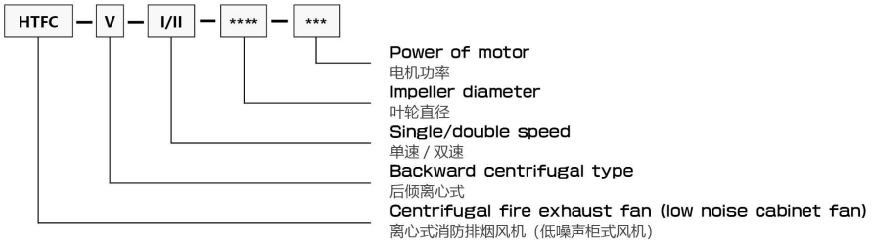
The balance grade of impeller is as high as G2.5, which is much higher than that of G6.3, which greatly improves the stability of impeller operation.

叶轮平衡等级高达 G2.5，远高于普规 G6.3，大幅提升叶轮运转的平稳性。

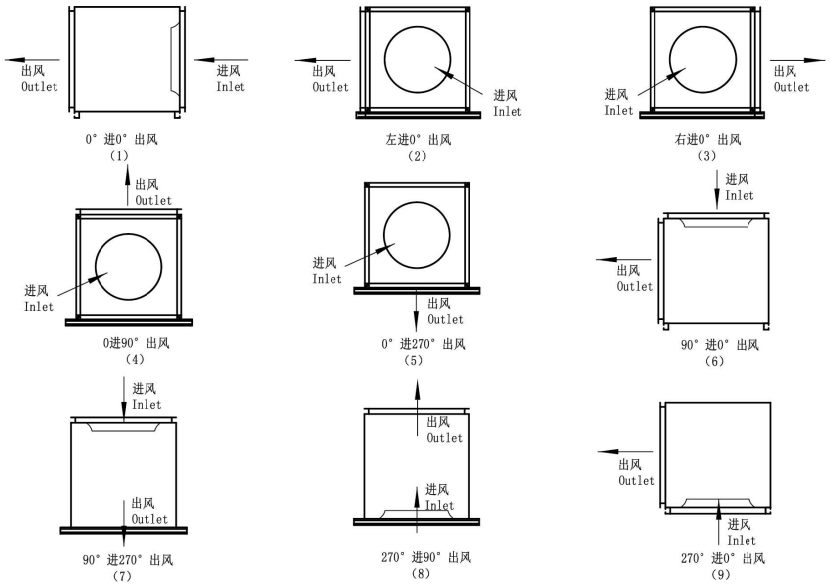
3C certified product, which can run normally at 280℃ for 60mn.

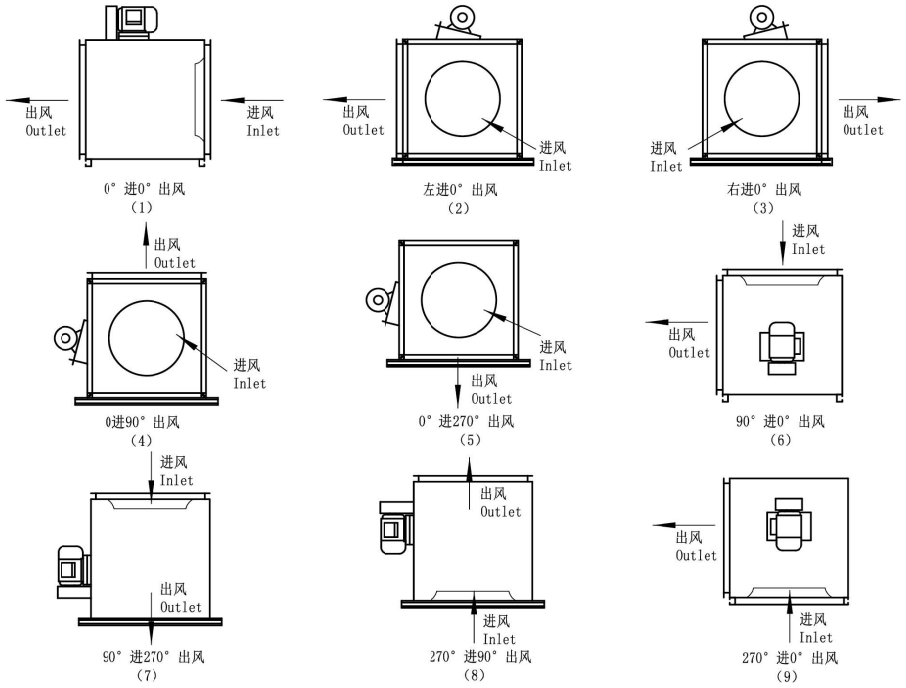
3C 认证产品，在 280℃时正常运转 60min。

2 Naming Specification
命名规范



3 Inlet and Outlet Setup of HTFC-V Type
HTFC-V 系列风机风口设置





4 Performance Parameters and Curves
性能参数与曲线

Performance Parameter Table Of HTFC-V-I Fan
HTFC-V-I 性能参数表(电机直联)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Static Pressure 静压 (Pa)	Total Pressure 全压 (Pa)	Motor 配用电机 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-I-315-0.09	690	414	70	70	8P-0.09	49	68
		507	68	68		50	
		649	64	64		51	
		817	56	56		51	
		900	50	51		50	
		1013	42	42		49	
		1115	33	33		47	
		1175	26	26		45	
HTFC-V-I-315-0.18	900	540	119	119	6P-0.18	52	76
		661	116	116		53	
		846	109	109		53	
		1066	95	95		53	
		1174	86	86		53	
		1321	71	71		52	
		1455	56	57		50	
		1533	43	45		48	
HTFC-V-I-315-0.37	1400	839	287	287	4P-0.37	62	78
		1029	281	282		63	
		1316	263	264		63	
		1657	229	231		63	
		1827	207	209		62	
		2054	171	173		61	
		2263	135	138		60	
		2385	105	108		58	
HTFC-V-I-315-2.2	2840	1703	1181	1182	2P-2.2	71	96
		2087	1158	1160		72	
		2670	1082	1085		72	
		3362	944	949		72	
		3706	853	859		72	
		4168	704	712		71	
		4591	557	567		69	
		4837	433	444		67	
HTFC-V-I-355-0.18	900	772	151	151	6P-0.18	56	84
		947	148	148		57	
		1211	138	138		57	
		1525	120	121		57	
		1681	109	110		56	
		1890	90	91		55	
		2083	71	72		54	
		2194	55	57		52	
HTFC-V-I-355-0.55	1390	1193	359	360	4P-0.55	62	91
		1462	352	353		63	
		1870	329	330		64	
		2356	287	289		63	
		2596	259	261		63	
		2920	214	217		62	
		3216	169	172		60	
		3389	132	135		58	

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Static Pressure 静压 (Pa)	Total Pressure 全压 (Pa)	Motor 配用电机 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-I-355-3	2890	2108	1553	1555	2P-3	75	117
		2584	1523	1525		76	
		3305	1422	1427		76	
		4163	1241	1248		76	
		4589	1122	1130		76	
		5160	925	936		75	
		5684	732	745		73	
		5989	569	584		71	
HTFC-V-I-355-4	2890	2480	1553	1555	2P-4	75	128
		3040	1523	1525		76	
		3888	1422	1427		76	
		4897	1241	1248		76	
		5398	1122	1130		76	
		6070	925	936		75	
		6687	732	745		73	
		7046	569	584		71	
HTFC-V-I-400-0.25	900	718	199	199	6P-0.25	58	83
		761	197	197		58	
		1071	192	192		59	
		1465	180	180		60	
		1685	171	173		60	
		2138	147	149		60	
		2302	134	136		60	
		2609	107	110		58	
HTFC-V-I-400-0.75	1400	949	481	481	4P-0.75	65	88
		1007	477	478		65	
		1416	464	465		66	
		1938	434	437		67	
		2228	415	418		67	
		2827	356	360		67	
		3044	324	330		66	
		3449	258	266		65	
HTFC-V-I-400-1.1	1400	1116	481	481	4F-1.1	65	92
		1184	477	478		65	
		1666	464	465		66	
		2279	434	437		67	
		2621	415	418		67	
		3326	356	360		67	
		3581	324	330		66	
		4058	258	266		65	
HTFC-V-I-400-5.5	2900	2312	2062	2065	2P-5.5	77	140
		2453	2047	2050		78	
		3451	1991	1996		79	
		4722	1864	1874		80	
		5429	1781	1794		80	
		6890	1526	1547		80	
		7418	1389	1414		79	
		8406	1109	1140		78	

Performance Parameter Table Of HTFC-V-I Fan
HTFC-V-I 性能参数表(电机直联)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Static Pressure 静压 (Pa)	Total Pressure 全压 (Pa)	Motor 配用电机 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-I-450-0.37	910	1033	257	257	6P-0.37	59	95
		1096	255	255		59	
		1542	248	249		60	
		2110	232	234		61	
		2426	222	224		61	
		3078	190	193		61	
		3314	173	176		61	
		3756	138	142		59	
HTFC-V-I-450-1.1	1400	1351	608	609	4P-1.1	68	111
		1433	604	605		68	
		2016	587	589		70	
		2759	550	553		70	
		3172	525	529		71	
		4025	450	456		70	
		4334	410	417		70	
		4911	327	336		69	
HTFC-V-I-450-1.5	1400	1589	608	609	4P-1.5	68	114
		1686	604	605		68	
		2372	587	589		70	
		3246	550	553		70	
		3732	525	529		71	
		4736	450	456		70	
		5099	410	417		70	
		5778	327	336		69	
HTFC-V-I-450-11	2930	3326	2664	2667	2P-11	81	217
		3529	2645	2648		81	
		4965	2572	2579		83	
		6793	2408	2421		83	
		7810	2300	2317		84	
		9911	1971	1998		83	
		10671	1795	1827		83	
		12092	1433	1473		82	
HTFC-V-I-500-0.75	910	1417	317	318	6P-0.75	62	132
		1504	315	315		62	
		2115	306	307		63	
		2894	287	288		64	
		3327	274	276		64	
		4222	235	238		64	
		4546	214	218		64	
		5152	171	175		62	
HTFC-V-I-500-2.2	1420	2211	773	773	4P-2.2	72	152
		2346	767	768		72	
		3301	746	748		73	
		4516	698	702		74	
		5192	667	672		74	
		6589	572	579		74	
		7094	521	530		73	
		8039	415	427		72	
HTFC-V-I-500-15	2930	5527	3278	3448	2P-15	80	256
		7773	3218	3391		81	
		9475	3049	3219		82	
		12183	2650	2811		83	
		13245	2519	2678		83	
		14779	2139	2287		83	
		16727	1473	1599		82	
		17654	1154	1213		81	
HTFC-V-I-500-18.5	2930	6503	3278	3448	2P-18.5	80	272
		9144	3218	3391		81	
		11148	3049	3219		82	
		14333	2650	2811		83	
		15582	2519	2678		83	
		17387	2139	2287		83	
		19679	1473	1599		82	
		20770	1154	1213		81	
HTFC-V-I-560-1.5	940	2717	465	465	6P-1.5	66	186
		3129	459	460		66	
		4100	444	445		68	
		5615	397	400		68	
		6261	375	378		69	
		7062	323	327		68	
		7784	280	285		68	
		8196	253	258		67	
HTFC-V-I-560-3	1420	3889	1023	1025	4P-3	70	192
		4477	1011	1012		71	
		5868	977	980		72	
		8036	874	880		73	
		8960	826	833		73	
		10107	711	720		73	
		11140	616	627		72	
		11730	557	569		71	
HTFC-V-I-560-4	1440	4163	1091	1092	4P-4	70	200
		4793	1077	1079		71	
		6281	1041	1044		72	
		8602	932	938		73	
		9591	880	888		73	
		10819	758	768		73	
		11924	657	668		72	
		12556	593	607		71	
HTFC-V-I-560-30	2950	7249	4578	4584	2P-30	84	393
		8345	4521	4529		84	
		10937	4369	4383		85	
		14980	3910	3935		86	
		16702	3695	3727		86	
		18839	3182	3223		85	
		20764	2755	2805		84	
		21865	2490	2545		84	

Performance Parameter Table Of HTFC-V-I Fan
HTFC-V-I 性能参数表(电机直联)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Static Pressure 静压 (Pa)	Total Pressure 全压 (Pa)	Motor 配用电机 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-I-560-37	2950	8528	4578	4584	2P-37	84	415
		9818	4521	4529		84	
		12867	4369	4383		85	
		17623	3910	3935		86	
		19649	3695	3727		86	
		22164	3182	3223		85	
		24428	2755	2805		84	
		25723	2490	2545		84	
HTFC-V-I-630-1.1	710	5305	300	302	8F-1.1	68	205
		6220	276	278		68	
		7648	228	231		68	
		8900	179	183		66	
		9458	144	149		65	
		10304	80	86		60	
		10514	71	76		59	
		10767	53	58		57	
HTFC-V-I-630-2.2	940	7024	526	529	6P-2.2	71	228
		8235	485	488		71	
		10126	400	405		71	
		11783	314	321		69	
		12522	253	261		68	
		13642	141	150		63	
		13919	124	134		62	
		14254	92	103		60	
HTFC-V-I-630-5.5	1440	9146	1235	1241	4-5.5	75	236
		10723	1137	1145		75	
		13185	938	950		74	
		15343	736	753		73	
		16306	593	612		71	
		17763	330	353		67	
		18125	291	314		66	
		18561	217	241		63	
HTFC-V-I-630-7.5	1440	10760	1235	1241	4P-7.5	76	248
		12615	1137	1145		76	
		15512	935	950		75	
		18050	736	753		74	
		19183	593	612		72	
		20898	330	353		68	
		21323	291	314		67	
		21836	217	241		64	
HTFC-V-I-710-1.5	710	7594	381	383	8P-1.5	68	256
		8903	351	354		68	
		10948	290	293		67	
		12739	227	232		66	
		13539	183	189		64	
		14749	102	109		62	
		15049	90	97		61	
		15411	67	74		60	
HTFC-V-I-710-3	960	8728	697	701	6P-3	69	318
		10233	642	646		69	
		12582	530	537		69	
		14641	416	425		67	
		15560	335	345		66	
		16951	186	199		61	
		17296	164	177		60	
		17712	122	136		58	
HTFC-V-I-710-4	960	10268	697	701	6P-4	69	328
		12038	642	646		69	
		14802	530	537		69	
		17224	416	425		67	
		18306	335	345		66	
		19942	186	199		61	
		20348	164	177		60	
		20837	122	136		58	
HTFC-V-I-710-11	1460	15615	1613	1621	4P-11	80	376
		18308	1485	1495		80	
		22512	1225	1241		79	
		26195	961	983		77	
		27840	775	799		76	
		30329	431	460		72	
		30946	380	410		71	
		31690	283	314		68	
HTFC-V-I-710-15	1460	16488	1800	1808	4F-15	80	396
		19765	1697	1709		80	
		22922	1529	1544		79	
		25155	1376	1395		77	
		27248	1194	1215		76	
		29144	942	967		72	
		31437	617	647		71	
		32561	409	440		68	
HTFC-V-I-800-5.5	960	12485	885	890	6P-5.5	73	377
		14638	815	821		73	
		17999	673	681		72	
		20944	528	539		71	
		22259	425	438		69	
		24248	236	253		65	
		24742	209	225		64	
		25337	155	172		62	
HTFC-V-I-800-7.5	960	14688	885	890	6P-7.5	73	414
		17221	815	821		73	
		21175	673	681		72	
		24640	528	539		71	
		26187	425	438		69	
		28528	236	253		65	
		29108	209	225		64	
		29808	155	172		62	

Performance Parameter Table Of HTFC-V-I Fan
HTFC-V-I 性能参数表(电机直联)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Static Pressure 静压 (Pa)	Total Pressure 全压 (Pa)	Motor 配用电机 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-I-800-18.5	1470	19118	2076	2086	4P-18.5	82	461
		22414	1911	1924		82	
		27561	1577	1597		82	
		32070	1237	1265		80	
		34084	997	1028		79	
		37130	554	592		74	
		37886	490	528		73	
		38797	364	404		71	
HTFC-V-I-800-22	1470	22491	2076	2086	4P-22	83	496
		26370	1911	1924		83	
		32424	1577	1597		83	
		37730	1237	1265		81	
		40098	997	1028		80	
		43683	554	592		75	
		44572	490	528		74	
		45644	364	404		72	
HTFC-V-I-800-30	1470	20170	2313	2319	4P-30	83	505
		26152	1977	2190		83	
		29666	1908	2117		83	
		31875	1832	2035		81	
		36519	1658	1848		80	
		38010	1592	1777		75	
		40167	1125	1273		74	
		40717	696	806		72	
HTFC-V-I-900-11	970	21131	1144	1149	6P-11	76	559
		24775	1053	1060		76	
		30464	869	880		75	
		35448	682	697		74	
		37674	549	567		72	
		41042	305	326		68	
		41877	270	291		67	
		42884	201	223		65	
HTFC-V-I-900-15	970	20783	1186	1192	6P-15	77	600
		23912	1085	1146		77	
		27477	1071	1080		77	
		29636	950	1008		75	
		35590	748	802		74	
		39453	551	599		69	
		42479	406	429		68	
		45646	199	226		66	
HTFC-V-I-900-37	1480	27406	2663	2676	4P-37	84	764
		32131	2451	2469		84	
		39509	2023	2049		84	
		45973	1587	1622		82	
		48860	1279	1319		81	
		53227	711	760		76	
		54310	628	677		75	
		55616	467	519		73	
HTFC-V-I-900-45	1480	32242	2663	2676	4P-45	85	764
		37801	2451	2469		85	
		46481	2023	2049		84	
		54086	1587	1622		83	
		57482	1279	1319		81	
		62620	711	760		77	
		63894	628	677		76	
		65431	467	519		73	
HTFC-V-I-1000-7.5	720	17328	772	774	8P-7.5	77	688
		19953	745	748		77	
		23000	705	709		77	
		27537	621	627		77	
		30875	545	552		76	
		34267	437	447		75	
		35054	363	373		73	
		38715	245	256		70	
HTFC-V-I-1000-15	970	19842	1401	1406	6P-15	78	759
		22849	1352	1357		79	
		25338	1280	1288		79	
		31533	1128	1138		79	
		33356	989	1002		78	
		39240	794	811		77	
		41287	659	677		75	
		44333	444	465		72	
HTFC-V-I-1000-18.5	970	23344	1401	1406	6P-18.5	79	812
		26881	1352	1357		79	
		30986	1280	1288		80	
		37098	1128	1138		79	
		41595	989	1002		79	
		46165	794	811		77	
		43573	659	677		76	
		52157	444	465		73	
HTFC-V-I-1000-22	970	24446	1409	1414	6P-22	80	830
		30329	1259	1329		80	
		34917	1188	1257		80	
		42242	1041	1107		80	
		48016	889	951		79	
		51864	745	803		78	
		56919	471	520		76	
		59619	367	413		73	
HTFC-V-I-1000-55	1480	35618	3023	3032	4P-55	88	1008
		41015	2864	2876		89	
		47277	2674	2689		89	
		55603	2340	2362		88	
		63465	2025	2052		88	
		70437	1615	1649		86	
		74111	1354	1392		85	
		79580	900	942		82	

Performance Parameter Table Of HTFC-V-II Fan
HTFC-V-II 性能参数表(电机直联)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-II-500-0.8/0.35	910/690	1417/1074	317/182	318/183	6/8P-0.8/0.35	62/56	136
		1504/1140	315/181	315/181		62/56	
		2115/1604	306/176	307/177		63/57	
		2894/2194	287/165	288/166		64/58	
		3327/2523	274/158	276/159		64/58	
		4222/3202	235/135	238/137		64/58	
		4546/3447	214/123	218/125		64/58	
		5152/3906	171/98	175/101		62/56	
HTFC-V-II-500-2.2/0.7	1400/910	2180/1417	751/317	752/318	4/6P-2.2/0.7	71/62	154
		2313/1504	745/315	746/315		72/62	
		3254/2115	725/306	727/307		73/63	
		4452/2894	679/287	682/288		74/64	
		5119/3327	648/274	653/276		74/64	
		6496/4222	556/235	563/238		74/64	
		6994/4546	506/214	515/218		73/64	
		7926/5152	404/171	415/175		72/62	
HTFC-V-II-500-16/3.8	2900/1440	5471/2717	3211/792	3378/833	2/4P-16/3.8	80/72	290
		7693/3820	3153/777	3322/819		81/72	
		9378/4657	2987/737	3153/777		82/73	
		12058/5987	2596/640	2753/679		83/74	
		13109/6509	2468/608	2623/647		83/74	
		14628/7263	2096/517	2241/552		83/74	
		16555/8221	1443/356	1566/386		82/74	
		17474/8677	1130/279	1188/293		82/72	
HTFC-V-II-500-18/4.6	2900/1440	6436/3196	3211/792	3378/833	2/4P-18.5/4.6	80/72	293
		9051/4494	3153/777	3322/819		81/72	
		11033/5479	2987/737	3153/777		82/73	
		14186/7044	2596/640	2753/679		83/74	
		15423/7658	2468/608	2623/647		83/74	
		17209/8545	2096/517	2241/552		83/74	
		19477/9671	1443/356	1566/386		82/74	
		20557/10208	1130/279	1188/293		81/72	
HTFC-V-II-560-1.1/0.55	910/690	2631/1995	436/250	436/251	6/8P-1.1/0.55	66/61	186
		3029/2297	430/247	431/248		66/62	
		3969/3010	416/239	417/240		68/63	
		5436/4122	372/214	374/215		68/63	
		6061/4596	352/202	355/204		68/63	
		6837/5184	303/174	307/176		68/62	
		7535/5714	262/151	267/153		68/62	
		7935/6017	237/136	242/139		67/61	
HTFC-V-II-560-3.2/1.1	1400/910	3834/2492	995/420	996/421	4/6P-3.2/1.1	70/63	192
		4414/2869	982/415	984/416		71/64	
		5785/3760	949/401	952/402		72/65	
		7923/5150	849/359	855/361		73/65	
		8834/5742	803/339	810/342		73/65	
		9965/6477	691/292	700/296		73/64	
		10983/7139	599/253	609/257		72/63	
		11565/7517	541/229	553/234		71/63	

Performance Parameter Table Of HTFC-V-II Fan
HTFC-V-II 性能参数表(电机直联)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-II-550 -4.7/1.5	1440/940	4163/2717	1091/465	1092/465	4/6P-4.7/1.5	70/63	217
		4793/3129	1077/459	1079/460		71/64	
		6281/4100	1041/444	1044/445		72/65	
		8602/5615	932/397	938/400		73/65	
		9591/6251	880/375	888/378		73/65	
		10819/7062	758/323	768/327		73/64	
		11924/7784	657/280	668/285		72/63	
		12556/8196	593/253	607/258		71/63	
HTFC-V-II-550 -30/7.5	2940/1470	7224/3613	4547/1137	4553/1138	2/4P-30/7.5	84/78	452
		8317/4158	4490/1123	4498/1125		84/78	
		10900/5450	4339/1085	4353/1088		85/79	
		14929/7465	3884/971	3908/977		86/80	
		16645/8322	3670/917	3702/925		86/80	
		18776/9387	3160/790	3201/800		85/79	
		20693/10347	2736/684	2786/697		84/78	
		21791/10895	2473/618	2528/632		84/78	
HTFC-V-II-550 -37/9	2940/1470	8499/4250	4547/1137	4553/1138	2/4P-37/9	84/78	454
		9785/4892	4490/1123	4498/1125		84/78	
		12823/6412	4339/1085	4353/1088		85/79	
		17563/8782	3884/971	3908/977		86/80	
		19582/9791	3670/917	3702/925		86/80	
		22089/11044	3160/790	3201/800		85/79	
		24345/12173	2736/684	2786/697		84/78	
		25636/12318	2473/618	2528/632		84/78	
HTFC-V-II-630 -11/0.55	700/560	5231/4184	292/187	293/188	8/10P-1.1/0.55	68/63	210
		6132/4906	269/172	271/173		68/63	
		7541/6032	222/142	225/144		67/62	
		8774/7020	174/111	178/114		66/61	
		9325/7450	140/90	145/93		64/59	
		10159/8293	78/50	83/53		60/55	
		10366/8292	69/44	74/48		59/54	
		10615/8492	51/33	57/36		57/52	
HTFC-V-II-630 -2/0.85	910/690	6800/5156	493/284	496/285	5/8P-2/0.85	71/65	228
		7972/6045	454/261	457/263		71/65	
		9803/7433	375/215	380/218		70/64	
		11407/8649	294/169	301/173		69/63	
		12123/9192	237/136	244/140		67/61	
		13476/10218	132/76	141/81		63/57	
		13475/10217	116/67	125/72		62/56	
		13799/10463	87/50	96/55		59/53	
HTFC-V-II-630 -6.7/2.2	1440/940	10760/7024	1235/526	1241/529	4/6P-6.7/2.2	76/66	248
		12615/8235	1137/485	1145/488		76/66	
		15512/10126	938/400	950/405		75/66	
		18050/11783	736/314	753/321		74/64	
		19183/12522	593/253	612/261		72/63	
		20899/13920	330/141	353/150		68/58	
		21323/13919	291/124	314/134		67/57	
		21836/14254	217/92	241/103		64/55	

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of HTFC-V-II Fan
HTFC-V-II 性能参数表(电机直联)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-II-710 -1.8/0.75	700/570	7487/6096	371/246	373/247	8/10P-1.8/0.75	68/63	274
		8778/7148	341/226	344/228		68/63	
		10793/8789	282/187	285/189		67/62	
		12559/10227	221/147	226/150		66/61	
		13348/10869	178/118	184/122		64/59	
		14541/12082	99/66	106/70		62/57	
		14837/12082	87/58	94/63		61/56	
		15194/12372	65/43	72/48		60/55	
HTFC-V-II-710 -3.3/1.6	940/700	10054/7487	669/371	672/373	6/8P-3.3/1.6	69/63	380
		11787/8778	615/341	620/344		69/63	
		14494/10793	508/282	514/285		69/62	
		16866/12559	398/221	407/226		67/60	
		17924/13348	321/178	331/184		66/59	
		19527/14838	178/99	191/106		61/55	
		19924/14837	158/87	170/94		60/54	
		20403/15194	117/65	130/72		58/51	
HTFC-V-II-710 -12/4	1440/940	15402/10054	1569/669	1576/672	4/6P-12/4	80/70	392
		18057/11787	1444/615	1454/620		80/70	
		22203/14494	1192/508	1207/514		79/69	
		25837/16866	935/398	956/407		77/68	
		27459/17924	754/321	777/331		76/66	
		29914/19925	419/178	448/191		72/62	
		30522/19924	370/158	399/170		71/61	
		31256/20403	275/117	306/130		68/59	
HTFC-V-II-710 -15.5/5.1	1460/960	16488/10841	1800/778	1808/781	4/6P-15.5/5.1	80/70	415
		19765/12996	1697/733	1709/738		80/70	
		22922/15072	1529/661	1544/667		79/69	
		25155/16540	1376/594	1395/603		77/68	
		27248/17916	1194/516	1215/525		76/66	
		29144/19163	942/407	967/418		72/62	
		31437/20670	617/266	647/279		71/61	
		32561/21409	409/176	440/190		68/59	
HTFC-V-II-800 -6.5/3.2	940/700	14382/10710	849/471	853/473	6/8P-6.5/3.2	73/66	414
		16862/12557	781/433	787/436		73/66	
		20734/15440	645/358	653/362		72/65	
		24127/17967	506/281	517/287		71/64	
		25641/19094	408/226	420/233		69/63	
		27933/21226	227/126	242/134		65/58	
		28502/21225	200/111	216/120		64/57	
		29187/21735	149/83	165/92		62/55	
HTFC-V-II-800 -18/6.2	1460/960	18987/12485	2048/885	2057/890	4/6P-18/6.2	82/73	547
		22262/14638	1885/815	1898/821		82/73	
		27373/17999	1556/673	1575/681		81/72	
		31852/20944	1220/528	1247/539		80/71	
		33852/22259	984/425	1014/438		79/69	
		36877/24744	547/236	584/253		74/65	
		37628/24742	483/209	521/225		73/64	
		38533/25337	359/155	399/172		71/62	

Performance Parameter Table Of HTFC-V-II Fan
HTFC-V-II 性能参数表(电机直联)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-II-800 -22/8	1460/960	22338/14688	2048/885	2057/890	4/6P-22/8	83/74	550
		26190/17221	1885/815	1898/821		83/74	
		32204/21175	1556/673	1575/681		82/73	
		37473/24540	1220/528	1247/539		81/72	
		39826/26187	984/425	1014/438		80/70	
		43386/28110	547/236	584/253		75/66	
		44268/29108	483/209	521/225		74/65	
		45333/29808	359/155	399/172		72/63	
HTFC-V-II-800 -33/11	1470/970	20170/13309	2313/1007	2319/1010	4/6P-33/11	83/74	634
		26152/17257	1977/861	2190/953		83/74	
		29666/19576	1908/831	2117/922		83/73	
		31875/21033	1832/798	2035/886		81/72	
		36519/24098	1658/722	1848/805		80/70	
		38010/25081	1592/693	1777/774		75/66	
		46167/30464	1125/490	1273/554		74/65	
		50717/33466	696/302	806/351		72/63	
HTFC-V-II-900 -13/6.5	960/690	23255/16715	1121/579	1126/582	6/8P-13/6.5	77/69	600
		27266/19597	1031/533	1039/537		77/69	
		33527/24097	851/440	862/445		76/69	
		39012/28040	668/345	683/353		75/67	
		41462/29801	538/278	555/287		73/66	
		45167/33127	299/155	320/165		69/62	
		46087/33125	264/137	285/147		68/61	
		47195/33922	197/102	218/113		66/58	
HTFC-V-II-900 -38/13	1470/970	28799/19003	2628/1144	2640/1149	4/6P-38/13	84/76	790
		33764/22280	2418/1053	2435/1060		84/76	
		41517/27396	1996/869	2021/880		84/75	
		48310/31878	1566/682	1600/697		82/74	
		51343/33880	1262/549	1301/567		81/72	
		55933/37661	701/305	750/326		76/68	
		57070/37559	620/270	668/291		75/67	
		58443/38565	461/201	512/223		73/65	
HTFC-V-II-900 -42/14	1470/970	32024/21131	2628/1144	2640/1149	4/6P-42/14	85/76	792
		37546/24775	2418/1053	2435/1060		85/76	
		46167/30464	1996/869	2021/880		84/75	
		53721/35448	1566/682	1600/697		83/74	
		57093/37574	1262/549	1301/567		81/72	
		62197/41879	701/305	750/326		77/68	
		63462/41877	620/270	668/291		76/67	
		64989/42884	461/201	512/223		73/65	
HTFC-V-II-1000 -7.5/4	700/570	16846/13718	730/484	732/485	8/10P-7.5/4	77/72	722
		19399/15796	704/467	707/469		77/72	
		22361/18208	667/442	671/445		77/72	
		26772/21800	587/389	593/393		77/72	
		30017/24443	515/341	522/346		76/71	
		33315/27128	414/274	422/280		75/70	
		35053/28543	343/227	353/234		73/68	
		37639/30649	231/153	242/161		70/65	

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of HTFC-V-II Fan
HTFC-V-II 性能参数表(电机直联)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-II-1000 -17/8.5	960/710	23104/17087	1373/751	1377/753	6/8P-17/8.5	79/72	824
		26604/19676	1324/724	1330/727		79/73	
		30666/22680	1254/686	1261/690		80/73	
		36716/27154	1105/604	1115/610		79/72	
		41166/30446	968/530	981/537		79/72	
		45689/33791	778/425	794/434		77/70	
		48072/35553	645/353	663/363		76/69	
		51620/38177	435/238	456/249		73/66	
HTFC-V-II-1000 -21/11	960/710	24194/17894	1380/755	1385/758	6/8-21/11	80/73	830
		30016/22200	1233/675	1302/712		80/73	
		34557/25558	1164/637	1231/674		80/73	
		41807/30920	1020/558	1084/593		80/73	
		47521/35146	871/477	932/510		79/72	
		51329/37963	730/400	787/431		78/71	
		56332/41663	461/253	509/279		76/70	
		59004/43639	359/197	404/222		73/67	
HTFC-V-II-1000 -55/18.5	1480/980	35618/23585	3263/1431	3272/1435	4/6P-55/18.5	88/79	1108
		41015/27159	3147/1380	3160/1386		89/80	
		47277/31305	2981/1307	2998/1314		89/80	
		56603/37480	2625/1151	2650/1162		88/79	
		63465/42024	2301/1009	2333/1023		88/79	
		70437/46641	1848/810	1887/827		86/77	
		74111/49074	1534/673	1576/691		85/76	
		79580/52695	1034/453	1083/475		82/73	

Performance Parameter Table Of HTFC-V-I Fan
HTFC-V-I 性能参数表(皮带传动)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Static Pressure 静压 (Pa)	Total Pressure 全压 (Pa)	Motor 配用电机 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-I-315-0.12	1000	600	146	147	4P-0.12	53	89
		735	144	144		53	
		940	134	135		54	
		1184	117	118		54	
		1305	106	107		53	
		1467	87	88		52	
		1617	69	70		50	
		1703	54	55		49	
HTFC-V-I-315-0.18	1200	719	211	211	4P-0.18	54	90
		882	207	207		55	
		1128	193	194		55	
		1421	169	169		55	
		1566	152	153		55	
		1761	126	127		54	
		1940	99	101		52	
		2044	77	79		51	
HTFC-V-I-315-0.55	1800	1079	474	475	2P-0.55	63	94
		1323	465	466		64	
		1692	434	436		64	
		2131	379	381		64	
		2349	343	345		64	
		2641	283	286		63	
		2910	224	228		61	
		3066	174	178		59	
HTFC-V-I-315-0.75	2000	1199	586	586	2P-0.75	65	95
		1470	574	575		65	
		1880	536	538		67	
		2368	468	471		67	
		2610	423	426		65	
		2935	349	353		65	
		3233	276	281		63	
		3406	215	220		62	
HTFC-V-I-315-1.1	2400	1439	843	844	2P-1.1	69	97
		1764	827	828		69	
		2256	772	775		70	
		2841	674	678		70	
		3132	609	614		69	
		3522	502	508		63	
		3880	398	405		65	
		4088	309	317		65	
HTFC-V-I-315-1.5	2600	1559	990	991	2P-1.5	70	100
		1911	970	972		71	
		2444	906	909		71	
		3078	791	796		71	
		3393	715	720		71	
		3815	590	597		70	
		4203	467	475		68	
		4428	363	372		65	
HTFC-V-I-315-3	3200	1918	1499	1501	2P-3	75	112
		2351	1470	1473		75	
		3008	1373	1377		75	
		3789	1198	1205		75	
		4176	1083	1091		75	
		4696	893	904		74	
		5173	707	719		73	
		5450	550	563		71	

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Static Pressure 静压 (Pa)	Total Pressure 全压 (Pa)	Motor 配用电机 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-I-355-0.75	1600	1373	476	477	4P-0.75	63	103
		1683	467	468		64	
		2153	436	437		65	
		2711	381	383		64	
		2989	344	346		64	
		3361	284	287		63	
		3702	224	228		61	
		3901	174	179		59	
HTFC-V-I-355-1.1	1800	1545	602	603	2P-1.1	65	104
		1893	591	592		67	
		2422	552	553		67	
		3050	482	484		67	
		3362	435	438		67	
		3781	359	363		65	
		4165	284	289		64	
		4388	221	226		62	
HTFC-V-I-355-1.5	2000	1716	744	745	2P-1.5	65	107
		2104	729	731		67	
		2691	681	683		67	
		3389	595	598		67	
		3736	537	541		67	
		4201	443	448		65	
		4628	351	357		64	
		4876	273	280		62	
HTFC-V-I-355-2.2	2400	2060	1071	1072	2P-2.2	70	112
		2524	1050	1052		71	
		3229	981	984		71	
		4067	856	861		71	
		4483	773	779		71	
		5041	638	646		70	
		5553	505	514		68	
		5851	393	402		66	
HTFC-V-I-400-1.5	1800	1435	795	795	2P-1.5	67	138
		1523	789	790		67	
		2142	767	769		68	
		2931	718	722		69	
		3370	686	691		69	
		4276	588	596		69	
		4604	535	545		69	
		5217	427	439		67	
HTFC-V-I-400-2.2	2000	1594	981	982	2P-2.2	69	143
		1692	974	975		69	
		2380	947	950		71	
		3256	887	891		72	
		3744	847	853		72	
		4751	726	736		72	
		5116	661	672		71	
		5797	527	542		70	
HTFC-V-I-400-3	2400	1913	1412	1414	2P-3	73	150
		2030	1402	1404		73	
		2856	1364	1367		73	
		3908	1277	1283		75	
		4493	1220	1229		75	
		5702	1045	1059		75	
		6139	952	968		75	
		6956	760	781		74	

Performance Parameter Table Of HTFC-V-I Fan
HTFC-V-I 性能参数表(皮带传动)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Static Pressure 静压 (Pa)	Tota Pressure 全压 (Pa)	Motor 配用电机 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-I-400-4	2500	1993	1533	1534	2P-4	74	163
		2115	1521	1523		74	
		2975	1480	1484		76	
		4070	1385	1393		76	
		4680	1323	1333		77	
		5939	1134	1149		76	
		6395	1033	1051		76	
		7246	824	847		75	
HTFC-V-I-450-2.2	1600	1816	795	795	4P-2.2	67	125
		1927	789	790		67	
		2711	767	769		68	
		3709	718	722		69	
		4265	686	691		70	
		5412	588	596		69	
		5827	535	545		69	
		6603	427	439		67	
HTFC-V-I-450-3	1800	2043	1006	1007	2P-3	68	149
		2168	998	999		68	
		3050	971	973		69	
		4173	909	914		70	
		4798	868	875		70	
		6089	744	754		70	
		6555	677	689		69	
		7429	541	556		68	
HTFC-V-I-450-4	2100	2384	1369	1370	2P-4	71	162
		2529	1359	1360		71	
		3558	1321	1325		72	
		4868	1237	1244		73	
		5598	1182	1190		73	
		7104	1012	1026		73	
		7648	922	938		73	
		8667	736	757		71	
HTFC-V-I-450-5.5	2300	2611	1642	1644	2P-5.5	73	180
		2770	1630	1632		73	
		3897	1585	1589		74	
		5332	1484	1492		75	
		6131	1418	1428		75	
		7780	1215	1231		75	
		8376	1106	1126		75	
		9492	883	908		73	
HTFC-V-I-450-7.5	2700	3065	2262	2265	2P-7.5	76	185
		3252	2246	2249		77	
		4575	2184	2190		78	
		6259	2045	2056		79	
		7197	1953	1968		79	
		9133	1674	1697		79	
		9833	1524	1551		78	
		11143	1217	1251		77	
HTFC-V-I-500-3	1600	2491	981	982	4P-3	67	182
		2644	974	975		67	
		3719	947	950		69	
		5088	887	891		69	
		5850	847	853		70	
		7424	726	736		69	
		7993	661	672		69	
		9058	527	542		68	

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Static Pressure 静压 (Pa)	Total Pressure 全压 (Pa)	Motor 配用电机 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-I-500-4	1800	2803	1241	1243	2P-4	70	192
		2974	1232	1234		70	
		4184	1199	1202		71	
		5724	1122	1128		72	
		6581	1072	1080		72	
		8352	918	931		72	
		8992	836	851		72	
		10190	668	686		70	
HTFC-V-I-500-5.5	2000	3114	1533	1534	2P-5.5	72	210
		3305	1521	1523		72	
		4649	1480	1484		74	
		6360	1385	1393		74	
		7313	1323	1333		75	
		9280	1134	1149		74	
		9992	1033	1051		74	
		11322	824	847		73	
HTFC-V-I-500-7.5	2250	3503	1940	1942	2P-7.5	75	215
		3718	1925	1928		75	
		5230	1873	1878		76	
		7155	1753	1763		77	
		8227	1675	1687		77	
		10440	1435	1455		77	
		11241	1307	1330		76	
		12738	1043	1073		75	
HTFC-V-I-560-2.2	1200	3469	758	759	4P-2.2	67	244
		3994	748	749		68	
		5234	723	725		69	
		7169	647	651		69	
		7993	611	617		69	
		9016	527	533		69	
		9937	456	464		68	
		10464	412	421		67	
HTFC-V-I-560-3	1300	3758	889	890	4P-3	69	246
		4327	878	880		70	
		5670	849	851		71	
		7766	759	764		71	
		8659	718	724		71	
		9767	618	626		70	
		10765	535	545		69	
		11336	484	494		69	
HTFC-V-I-560-5.5	1600	4625	1347	1348	4P-5.5	74	276
		5325	1330	1332		74	
		6979	1285	1289		75	
		9558	1150	1158		75	
		10657	1087	1096		75	
		12021	936	948		75	
		13249	811	825		74	
		13951	733	749		73	
HTFC-V-I-560-7.5	1800	5203	1704	1707	2P-7.5	76	278
		5991	1683	1686		77	
		7851	1627	1632		78	
		10753	1456	1465		78	
		11989	1376	1388		78	
		13524	1185	1200		77	
		14905	1026	1044		77	
		15695	927	948		76	

Performance Parameter Table Of HTFC-V-I Fan
HTFC-V-I 性能参数表(皮带传动)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Static Pressure 静压 (Pa)	Total Pressure 全压 (Pa)	Motor 配用电机 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-I-560-11	2000	5782	2104	2107	2P-11	79	335
		6657	2078	2082		79	
		8724	2008	2015		80	
		11948	1797	1809		80	
		13321	1698	1713		80	
		15026	1463	1481		80	
		16561	1266	1289		79	
		17439	1145	1170		78	
HTFC-V-I-630-4	1200	8967	858	862	4P-4	71	337
		10513	790	795		71	
		12927	652	660		70	
		15042	511	523		69	
		15986	412	425		67	
		17415	229	245		63	
		17769	202	218		62	
		18197	150	167		59	
HTFC-V-I-630-11	1600	11956	1525	1532	4P-11	77	422
		14017	1404	1414		77	
		17236	1159	1173		75	
		20056	909	929		75	
		21315	733	755		73	
		23220	407	435		69	
		23693	360	388		68	
		24263	268	297		65	
HTFC-V-I-630-11	1750	13076	1825	1833	2P-11	73	416
		15331	1679	1691		73	
		18851	1386	1404		77	
		21936	1087	1111		75	
		23313	876	904		74	
		25397	487	521		70	
		25914	430	464		69	
		26537	320	355		67	
HTFC-V-I-630-15	1900	14197	2151	2161	2P-15	80	421
		16645	1980	1994		80	
		20467	1634	1655		79	
		23816	1282	1310		78	
		25311	1033	1065		75	
		27574	574	614		72	
		28135	507	547		71	
		28812	377	419		68	
HTFC-V-I-710-5.5	1100	11765	916	920	4P-5.5	71	406
		13794	843	849		71	
		16961	696	704		71	
		19736	546	558		69	
		20975	440	453		68	
		22850	244	261		68	
		23315	216	233		68	
		23876	161	178		68	
HTFC-V-I-710-7.5	1200	12835	1090	1095	4P-7.5	73	420
		15048	1003	1010		73	
		18503	828	838		73	
		21530	649	664		71	
		22882	523	540		70	
		24928	291	311		65	
		25435	257	277		64	
		26047	191	212		62	

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Static Pressure 静压 (Pa)	Total Pressure 全压 (Pa)	Motor 配用电机 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-I-710-18.5	1650	17648	2060	2070	4P-18.5	80	528
		20691	1896	1910		80	
		25441	1565	1585		79	
		29604	1228	1255		78	
		31463	990	1020		77	
		34275	550	588		72	
		34973	486	524		71	
		35814	361	401		69	
HTFC-V-I-710-22	1750	13717	2317	2328	2P-22	81	490
		21945	2133	2148		81	
		26983	1760	1783		81	
		31399	1381	1412		79	
		33370	1113	1148		78	
		36353	619	661		74	
		37092	547	589		73	
		37985	406	451		70	
HTFC-V-I-800-11	1100	16830	1162	1168	4P-11	80	420
		19732	1070	1077		80	
		24263	883	894		79	
		28233	693	708		78	
		30006	558	576		75	
		32688	310	332		72	
		33353	274	296		71	
		34155	204	226		69	
HTFC-V-I-800-15	1300	19890	1624	1631	4P-15	79	524
		23320	1494	1505		79	
		28675	1233	1249		78	
		33366	968	989		77	
		35461	780	804		75	
		38631	433	463		71	
		39417	383	413		70	
		40365	285	316		67	
HTFC-V-I-800-37	1700	25010	2777	2790	2P-37	84	653
		30495	2556	2573		84	
		37497	2109	2136		84	
		43633	1655	1691		82	
		45372	1334	1375		81	
		50518	741	792		77	
		51545	655	706		76	
		52785	487	541		73	
HTFC-V-I-900-18.5	1100	23963	1471	1478	4P-18.5	78	710
		28096	1354	1364		78	
		34546	1118	1132		77	
		40199	877	896		75	
		42723	707	729		74	
		46542	393	420		70	
		47489	347	374		69	
		48631	258	287		66	
HTFC-V-I-900-22	1200	25142	1751	1759	4P-22	79	871
		30650	1612	1623		79	
		37687	1330	1347		79	
		43854	1043	1067		77	
		45607	841	867		76	
		50773	467	500		72	
		51806	413	445		71	
		53052	307	341		68	

Performance Parameter Table Of HTFC-V-I Fan
HTFC-V-I 性能参数表(皮带传动)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Static Pressure 静压 (Pa)	Tota Pressure 全压 (Pa)	Motor 配用电机 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-I-900-30	1300	28320	2055	2065	4P-30	81	937
		33204	1891	1905		81	
		40828	1561	1581		81	
		47508	1225	1252		79	
		50491	987	1018		78	
		55004	549	586		73	
		56123	485	523		72	
		57473	360	400		70	
HTFC-V-I-1000-30	1100	26473	1802	1808	4P-30	81	1010
		30484	1738	1746		81	
		35138	1646	1656		81	
		42070	1450	1464		81	
		47170	1271	1289		80	
		52352	1021	1042		79	
		55083	847	871		78	
		59148	571	598		78	

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Static Pressure 静压 (Pa)	Total Pressure 全压 (Pa)	Motor 配用电机 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-I-1000-37	1200	28880	2145	2151	4P-37	82	1069
		33255	2069	2077		82	
		38333	1959	1971		82	
		45895	1726	1742		82	
		51458	1513	1533		81	
		57111	1215	1240		80	
		60090	1008	1036		79	
		64525	680	712		79	
HTFC-V-I-1000-45	1250	30083	2327	2334	4P-45	82	1103
		34641	2245	2254		82	
		39930	2126	2138		82	
		47807	1873	1890		82	
		53602	1642	1664		81	
		59491	1319	1346		80	
		62594	1094	1124		78	
		67213	737	772		78	

Performance Parameter Table Of HTFC-V-II Fan
HTFC-V-II 性能参数表(皮带传动)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-II-315 -0.25/0.09	1000/643	600/385	146/61	147/61	4/6P-0.25/0.09	53/43	93
		735/472	144/59	144/59		53/44	
		940/604	134/55	135/56		54/44	
		1184/76[illegible]	117/48	118/49		54/44	
		1305/839	106/44	107/44		53/44	
		1467/943	87/36	88/36		52/42	
		1617/1039	69/29	70/29		50/41	
		1703/1095	54/22	55/23		49/39	
HTFC-V-II-315 -0.25/0.12	1200/780	719/468	211/89	211/89	4/6P-0.25/0.12	54/45	95
		882/573	207/87	207/87		55/46	
		1128/733	193/82	194/82		56/46	
		1421/923	169/71	169/72		56/46	
		1566/1013	152/64	153/65		55/46	
		1761/1145	126/53	127/54		54/45	
		1940/1261	99/42	101/43		52/43	
		2044/1329	77/33	79/33		51/41	
HTFC-V-II-315 -0.55/0.14	1800/894	1079/536	474/117	475/117	2/4P-0.55/0.14	63/48	97
		1323/657	465/115	466/115		64/49	
		1692/840	434/107	436/107		64/49	
		2131/1053	379/93	381/94		64/49	
		2349/1166	343/84	345/85		64/49	
		2641/1311	283/70	286/70		63/48	
		2910/1445	224/55	228/56		61/46	
		3066/1522	174/43	178/44		59/44	
HTFC-V-II-315 -0.75/0.17	2000/986	1199/59[illegible]	586/142	586/142	2/4P-0.75/0.17	66/50	95
		1470/724	574/140	575/140		66/51	
		1880/927	536/130	538/131		67/51	
		2368/1167	468/114	471/114		67/51	
		2610/1287	423/103	426/104		66/51	
		2935/1447	349/85	353/86		65/50	
		3233/1594	276/67	281/68		63/48	
		3406/1679	215/52	220/53		62/46	
HTFC-V-II-315 -1.[illegible]/0.25	2400/1183	1439/709	843/205	844/205	2/4P-1.1/0.25	69/53	99
		1764/869	827/201	828/201		69/54	
		2256/1112	772/188	775/188		70/54	
		2841/1401	674/164	678/165		70/54	
		3132/1544	609/148	614/149		69/54	
		3522/1736	502/122	508/124		68/53	
		3880/1913	398/97	405/98		66/51	
		4088/2015	309/75	317/77		65/49	
HTFC-V-II-315 -1.4/0.3	2600/1282	1559/768	990/240	991/241	2/4P-1.4/0.3	70/55	104
		1911/942	970/236	972/236		71/56	
		2444/1205	906/220	909/221		71/56	
		3078/1517	791/192	796/193		71/56	
		3393/1673	715/174	720/175		71/56	
		3815/1881	590/143	597/145		70/54	
		4203/2072	467/113	475/115		68/53	
		4428/2183	363/88	372/90		66/51	

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of HTFC-V-II Fan
HTFC-V-II 性能参数表(皮带传动)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Ncise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-II-315 -3.1/0.8	3200/1556	1918/933	1499/354	1501/355	2/4P-3.1/0.8	75/59	112
		2351/1143	1470/347	1473/348		75/60	
		3008/1462	1373/324	1377/325		76/60	
		3789/1842	1198/283	1205/285		76/60	
		4176/2030	1083/256	1091/258		75/60	
		4696/2283	893/211	904/214		74/59	
		5173/2515	707/167	719/170		73/57	
		5450/2649	550/130	563/133		71/55	
HTFC-V-II-355 -0.85/0.25	1600/1040	1373/892	476/201	477/201	4/6P-0.85/0.25	63/54	109
		1683/1094	467/197	468/198		64/55	
		2153/1399	436/184	437/185		65/55	
		2711/1762	381/161	383/162		64/55	
		2989/1943	344/145	346/146		64/55	
		3361/2184	284/120	287/121		63/53	
		3702/2406	224/95	228/96		61/52	
		3901/2536	174/74	179/76		59/50	
HTFC-V-II-355 -1.1/0.25	1800/887	1545/761	602/146	603/147	2/4P-1.1/0.25	66/51	106
		1893/933	591/144	592/144		67/51	
		2422/1194	552/134	553/135		67/52	
		3050/1504	482/117	484/118		67/52	
		3362/1657	435/106	438/107		67/51	
		3781/1864	359/87	363/88		65/50	
		4165/2053	284/69	289/70		64/48	
		4388/2163	221/54	226/55		62/47	
HTFC-V-II-355 -1.4/0.3	2000/986	1716/846	744/181	745/181	2/4P-1.4/0.3	66/51	111
		2104/1037	729/177	731/178		67/52	
		2691/1327	681/166	683/166		67/52	
		3389/1671	595/144	598/145		67/52	
		3736/1842	537/131	541/132		67/51	
		4201/2071	443/108	448/109		66/50	
		4628/2281	351/85	357/87		64/49	
		4876/2404	273/66	280/68		62/47	
HTFC-V-II-355 -2.5/0.65	2400/1183	2060/1015	1071/260	1072/261	2/4P-2.5/0.65	70/55	118
		2524/1244	1050/255	1052/256		71/56	
		3229/1592	981/238	984/239		71/56	
		4067/2005	856/208	861/209		71/56	
		4483/2210	773/188	779/189		71/55	
		5041/2485	638/155	646/157		70/54	
		5553/2738	505/123	514/125		68/53	
		5851/2884	393/95	402/98		66/51	
HTFC-V-II-400 -1.4/0.3	1800/887	1435/707	795/193	795/193	2/4P-1.4/0.3	67/52	142
		1523/751	789/192	790/192		67/52	
		2142/1056	767/186	769/187		68/53	
		2931/1445	718/175	722/175		69/54	
		3370/1661	686/167	691/168		69/54	
		4276/2108	588/143	596/145		69/54	
		4604/2270	535/130	545/132		69/53	
		5217/2572	427/104	439/107		67/52	

Performance Parameter Table Of HTFC-V-II Fan
HTFC-V-II 性能参数表(皮带传动)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-II-400 -2.5/0.65	2000/1000	1594/797	981/245	982/246	2/4P-2.5/0.65	69/54	143
		1692/846	974/243	975/244		69/54	
		2380/1190	947/237	950/237		71/56	
		3256/1628	887/222	891/223		72/56	
		3744/1872	847/212	853/213		72/57	
		4751/2376	726/181	736/184		72/56	
		5116/2558	661/165	672/168		71/56	
		5797/2859	527/132	542/136		70/55	
HTFC-V-II-400 -3.1/0.8	2400/1200	1913/957	1412/353	1414/354	2/4P-3.1/0.8	73/58	150
		2030/1015	1402/350	1404/351		73/58	
		2856/1428	1364/341	1367/342		75/60	
		3908/1954	1277/319	1283/321		76/60	
		4493/2246	1220/305	1229/307		76/61	
		5702/2851	1045/261	1059/265		75/60	
		6139/3069	952/238	968/242		75/60	
		6956/3478	760/190	781/195		74/59	
HTFC-V-II-400 -4.4/1.1	2500/1250	1993/997	1533/383	1534/384	2/4P-4.4/1.1	74/59	163
		2115/1057	1521/380	1523/381		74/59	
		2975/1488	1480/370	1484/371		76/61	
		4070/2035	1385/346	1393/348		76/61	
		4680/2340	1323/331	1333/333		77/62	
		5939/2970	1134/283	1149/287		76/61	
		6395/3197	1033/258	1051/263		76/61	
		7246/3623	824/206	847/212		75/60	
HTFC-V-II-450 -2.2/0.7	1600/1040	1816/1181	795/336	795/336	4/6P-2.2/0.7	67/58	125
		1927/1253	789/333	790/334		67/58	
		2711/1762	767/324	769/325		68/59	
		3709/2411	718/303	722/305		69/60	
		4265/2772	686/290	691/292		70/60	
		5412/3518	588/248	596/252		69/60	
		5827/3788	535/226	545/230		69/59	
		6603/4292	427/181	439/186		67/58	
HTFC-V-II-450 -3.1/0.8	1800/875	2043/993	1006/238	1007/238	2/4P-3.1/0.8	68/52	149
		2168/1054	998/236	999/236		68/52	
		3050/1483	971/229	973/230		69/53	
		4173/2028	909/215	914/216		70/54	
		4798/2332	868/205	875/207		70/54	
		6089/2960	744/176	754/178		70/54	
		6555/3187	677/160	689/163		69/54	
		7429/3611	541/128	556/131		68/52	
HTFC-V-II-450 -4.4/1.1	2100/1021	2384/1159	1369/323	1370/324	2/4P-4.4/1.1	71/55	162
		2529/1230	1359/321	1360/321		71/55	
		3558/1730	1321/312	1325/313		72/57	
		4868/2367	1237/292	1244/294		73/58	
		5598/2721	1182/279	1190/281		73/58	
		7104/3453	1012/239	1026/243		73/57	
		7648/3718	922/218	938/222		73/57	
		8667/4213	736/174	757/179		71/56	

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of HTFC-V-II Fan
HTFC-V-II 性能参数表(皮带传动)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Ncise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-II-450 -5.9/1.4	2300/1142	2611/1296	1642/405	1644/405	2/4P-5.9/1.4	73/58	180
		2770/1376	1630/402	1632/402		73/58	
		3897/1935	1585/391	1589/392		74/59	
		5332/2648	1484/366	1492/368		75/60	
		6131/3044	1418/350	1428/352		75/60	
		7780/3863	1215/299	1231/304		75/60	
		8376/4159	1106/273	1126/278		75/59	
		9492/4713	883/218	908/224		73/58	
HTFC-V-II-450 -8/2	2700/1341	3065/1522	2262/558	2265/559	2/4P-8/2	76/61	195
		3252/1615	2246/554	2249/554		77/61	
		4575/2272	2184/539	2190/540		78/63	
		6259/3108	2045/504	2056/507		79/63	
		7197/3574	1953/482	1968/485		79/64	
		9133/4535	1674/413	1697/418		79/63	
		9833/4883	1524/376	1551/382		78/63	
		11143/5533	1217/300	1251/308		77/62	
HTFC-V-II-500 -3.2/1.1	1600/1040	2491/1619	981/414	982/415	4/6P-3.2/1.1	67/58	180
		2644/1718	974/411	975/412		67/58	
		3719/2417	947/400	950/401		69/59	
		5088/3307	887/375	891/377		69/60	
		5850/3803	847/358	853/360		70/60	
		7424/4826	726/307	736/311		69/60	
		7993/5196	661/279	672/284		69/60	
		9058/5888	527/223	542/229		68/58	
HTFC-V-II-500 -4.4//1.1	1800/875	2803/1362	1241/293	1243/294	2/4P-4.4/1.1	70/54	192
		2974/1446	1232/291	1234/292		70/54	
		4184/2034	1199/283	1202/284		71/56	
		5724/2783	1122/265	1128/267		72/56	
		6581/3199	1072/253	1080/255		72/57	
		8352/4060	918/217	931/220		72/56	
		8992/4371	836/198	851/201		72/56	
		10190/4954	668/158	686/162		70/55	
HTFC-V-II-500 -5.9/1.4	2000/972	3114/1514	1533/362	1534/363	2/4P-5.9/1.4	72/56	210
		3305/1606	1521/359	1523/360		72/57	
		4649/2260	1480/350	1484/351		74/58	
		6360/3092	1385/327	1393/329		74/59	
		7313/3555	1323/313	1333/315		75/59	
		9280/4511	1134/268	1149/272		74/59	
		9992/4857	1033/244	1051/248		74/58	
		11322/5504	824/195	847/200		73/57	
HTFC-V-II-500 -8/2	2250/1117	3503/1740	1940/478	1942/479	2/4P-8/2	75/59	225
		3718/1846	1925/475	1928/475		75/60	
		5230/2597	1873/462	1878/463		76/61	
		7155/3553	1753/432	1763/435		77/62	
		8227/4085	1675/413	1687/416		77/62	
		10440/5184	1435/354	1455/359		77/62	
		11241/5582	1307/322	1330/328		76/61	
		12738/6325	1043/257	1073/264		75/60	

Performance Parameter Table Of HTFC-V-II Fan
HTFC-V-II 性能参数表(皮带传动)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-II-560 -2.2/0.7	1200/780	3469/2255	758/320	759/320	4/6P-2.2/0.7	67/58	244
		3994/2556	748/316	749/317		68/59	
		5234/3402	723/305	725/306		69/59	
		7169/4660	647/273	651/275		69/60	
		7993/5195	611/258	617/261		69/60	
		9016/5860	527/222	533/225		69/59	
		9937/6459	456/193	464/196		68/58	
		10464/6801	412/174	421/178		67/58	
HTFC-V-II-560 -3.2/1.1	1300/845	3758/2443	889/376	890/376	4/6P-3.2/1.1	69/60	254
		4327/2812	878/371	880/372		70/60	
		5670/3686	849/359	851/360		71/61	
		7766/5048	759/321	764/323		71/62	
		8659/5628	718/303	724/306		71/62	
		9767/6349	618/261	626/264		70/61	
		10765/6997	535/226	545/230		69/60	
		11336/7368	484/204	494/209		69/59	
HTFC-V-II-560 -6.7/2.2	1600/1044	4625/3019	1347/574	1348/575	4/6P-6.7/2.2	74/64	288
		5325/3476	1330/567	1332/568		74/65	
		6979/4556	1285/548	1289/549		75/66	
		9558/6239	1150/490	1158/493		75/66	
		10657/6957	1087/463	1096/467		75/66	
		12021/7847	936/399	948/404		75/65	
		13249/8649	811/345	825/352		74/65	
		13951/9107	733/312	749/319		73/64	
HTFC-V-II-560 -8/2	1800/894	5203/2584	1704/420	1707/421	2/4P-8/2	76/61	288
		5991/2975	1683/415	1686/416		77/62	
		7851/3899	1627/401	1632/402		78/62	
		10753/5339	1456/359	1465/361		78/63	
		11989/5953	1376/339	1388/342		78/63	
		13524/6715	1185/292	1200/296		77/62	
		14905/7401	1026/253	1044/257		77/61	
		15695/7794	927/229	948/234		76/61	
HTFC-V-II-560 -12.5/2.8	2000/993	5782/2871	2104/519	2107/520	2/4P-12.5/2.8	79/63	335
		6657/3305	2078/512	2082/513		79/64	
		8724/4332	2008/495	2015/497		80/65	
		11948/5933	1797/443	1809/446		80/65	
		13321/6615	1698/419	1713/422		80/65	
		15026/7461	1463/361	1481/365		80/64	
		16561/8223	1266/312	1289/318		79/64	
		17439/8659	1145/282	1170/288		78/63	
HTFC-V-II-630 -4.7/1.5	1200/780	8967/5828	858/362	862/364	4/6P-4.7/1.5	71/61	354
		10513/6833	790/334	795/336		71/61	
		12927/8402	652/275	660/279		70/61	
		15042/9777	511/216	523/221		69/59	
		15986/10391	412/174	425/180		67/58	
		17415/11551	229/97	245/103		63/53	
		17769/11550	202/86	218/92		62/52	
		18197/11828	150/64	167/71		59/50	

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of HTFC-V-II Fan
HTFC-V-II 性能参数表(皮带传动)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Ncise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-II-630 -9.5/3.1	1600/1044	11956/7804	1525/650	1532/653	4/6P-9.5/3.1	77/68	422
		14017/9150	1404/598	1414/602		77/68	
		17236/11251	1159/494	1173/500		76/67	
		20056/13092	909/387	929/396		75/66	
		21315/13914	733/312	755/322		73/64	
		23220/15467	407/173	435/185		69/60	
		23693/15466	360/153	388/165		68/59	
		24263/15838	268/114	297/127		66/56	
HTFC-V-II-630 -12.5/2.8	1750/869	13076/6493	1825/450	1833/452	2/4P-12.5/2.8	78/63	416
		15331/7613	1679/414	1691/417		78/63	
		18851/9361	1386/342	1404/345		77/62	
		21936/10892	1087/268	1111/274		76/61	
		23313/11576	876/216	904/223		74/59	
		25397/12868	487/120	521/128		70/55	
		25914/12868	430/106	464/114		69/54	
		26537/13177	320/79	355/88		67/51	
HTFC-V-II-630 -16/3.8	1900/943	14197/7050	2151/530	2161/533	2/4P-16/3.8	80/64	437
		16645/8265	1980/488	1994/492		80/64	
		20467/10163	1634/403	1555/408		79/64	
		23816/11826	1282/316	1310/323		78/62	
		25311/12568	1033/255	1065/263		76/61	
		27574/13971	574/142	514/151		72/56	
		28135/13970	507/125	547/135		71/55	
		28812/14307	377/93	419/103		68/53	
HTFC-V-II-710 -6.7/2.2	1100/718	11765/7680	916/390	920/392	4/6P-6.7/2.2	71/62	418
		13794/9004	843/359	849/362		71/62	
		16961/11072	696/296	704/300		71/61	
		19736/12883	546/233	558/238		69/60	
		20975/13692	440/187	453/193		68/59	
		22850/15221	244/104	261/111		63/54	
		23315/15220	216/92	233/99		62/53	
		23876/15586	161/68	178/76		60/51	
HTFC-V-II-710 -6.7/2.2	1200/783	12835/8378	1090/464	1095/467	4/6P-6.7/2.2	73/64	420
		15048/9823	1003/427	1010/430		73/64	
		18503/12078	828/353	838/357		73/63	
		21530/14055	649/277	664/283		71/62	
		22882/14937	523/223	540/230		70/60	
		24928/16604	291/124	311/133		65/56	
		25435/16603	257/110	277/118		64/55	
		26047/17003	191/81	212/90		62/53	
HTFC-V-II-710 -18/6.2	1650/1085	17648/11604	2060/891	2070/895	4/6P-18/6.2	80/71	544
		20691/13605	1896/820	1910/826		80/71	
		25441/16729	1565/677	1585/685		79/70	
		29604/19466	1228/531	1255/543		78/69	
		31463/20688	990/428	1020/441		77/67	
		34275/22997	550/238	588/254		72/63	
		34973/22996	486/210	524/227		71/62	
		35814/23549	361/156	401/173		69/60	

Performance Parameter Table Of HTFC-V-II Fan
HTFC-V-II 性能参数表(皮带传动)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-II-710 -22/5.5	1750/869	18717/9294	2317/571	2328/574	2/4P-22/5.5	81/66	501
		21945/10897	2133/526	2148/530		81/66	
		26983/13399	1760/434	1783/440		81/66	
		31399/15591	1381/341	1412/348		79/64	
		33370/16570	1113/274	1148/283		78/63	
		36353/18419	619/153	661/163		74/58	
		37092/18418	547/135	589/145		73/57	
		37985/18851	406/100	451/111		70/55	
HTFC-V-II-800 -9.5/3.1	1100/718	16830/10986	1162/495	1168/498	4/6P-9.5/3.1	80/71	420
		19732/12831	1070/456	1077/459		80/71	
		24263/15838	883/376	894/381		79/70	
		28233/18430	693/295	708/302		78/69	
		30006/19537	558/238	576/245		76/67	
		32688/21773	310/132	332/141		72/63	
		33353/21772	274/117	296/126		71/62	
		34155/22296	204/87	226/96		69/60	
HTFC-V-II-800 -15.5/5.1	1300/849	19890/12984	1624/692	1631/695	4/6P-15.5/5.1	79/69	551
		23320/15223	1494/637	1505/641		79/69	
		28675/18718	1233/526	1249/532		78/69	
		33366/21731	968/412	989/421		77/67	
		35461/23148	780/332	804/343		75/66	
		38631/25732	433/185	463/197		71/61	
		39417/25731	383/163	413/176		70/60	
		40365/26350	285/121	316/135		67/58	
HTFC-V-II-800 -37/9	1700/850	26010/13005	2777/694	2790/697	2/4P-37/9	84/69	693
		30495/15248	2556/639	2573/643		84/69	
		37497/18749	2109/527	2136/534		84/69	
		43633/21817	1655/414	1691/423		82/67	
		46372/23186	1334/333	1375/344		81/66	
		50518/25774	741/185	792/198		77/61	
		51545/25773	655/164	706/177		76/60	
		52785/26393	487/122	541/135		73/58	
HTFC-V-II-900 -18/6.2	1100/723	23963/15737	1471/636	1478/639	4/6P-18/6.2	78/69	725
		28096/18474	1354/585	1364/590		78/68	
		34546/22715	1118/483	1132/489		77/68	
		40199/26432	877/379	896/387		76/66	
		42723/28092	707/306	729/315		74/65	
		46542/31227	393/170	420/182		70/61	
		47489/31226	347/150	374/162		69/60	
		48631/31977	258/112	287/124		66/57	
HTFC-V-II-900 -22/8	1200/789	26142/17189	1751/757	1759/761	4/6P-22/8	79/70	925
		30650/20153	1612/697	1623/702		79/70	
		37687/24781	1330/575	1347/582		79/70	
		43854/28835	1043/451	1067/461		77/68	
		46607/30646	841/364	867/375		76/67	
		50773/34056	467/202	500/216		72/62	
		51806/34054	413/179	445/193		71/61	
		53052/34884	307/133	341/147		68/59	

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of HTFC-V-II Fan
HTFC-V-II 性能参数表(皮带传动)

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTFC-V-II-900 -33/11	1300/855	28320/18622	2055/888	2065/893	4/6P-33/11	81/72	986
		33204/21833	1891/818	1905/823		81/72	
		40828/26846	1561/675	1581/684		81/71	
		47508/31238	1225/529	1252/541		79/70	
		50491/33199	987/427	1018/440		78/68	
		55004/36905	549/237	586/254		73/64	
		56123/36903	485/210	523/226		72/63	
		57473/37791	360/156	400/173		70/61	
HTFC-V-II-1000 -33/11	1100/726	26473/17469	1802/785	1808/787	4/6P-33/11	81/72	1059
		30484/20115	1738/757	1746/760		81/72	
		35138/23186	1646/717	1656/721		81/72	
		42070/27761	1450/631	1464/637		81/72	
		47170/31126	1271/554	1289/561		80/71	
		52352/34545	1021/445	1042/454		79/70	
		55083/36347	847/369	871/379		78/69	
		59148/39029	571/249	598/260		75/66	
HTFC-V-II-1000 -38/13	1200/792	28880/19057	2145/934	2151/937	4/6P-38/13	82/73	1097
		33255/21944	2069/901	2077/905		82/73	
		38333/25294	1959/853	1971/858		82/73	
		45895/30284	1726/752	1742/759		82/73	
		51458/33955	1513/659	1533/668		81/72	
		57111/37685	1215/529	1240/540		80/71	
		60090/39651	1008/439	1036/451		79/69	
		64525/42578	680/296	712/310		76/67	
HTFC-V-II-1000 -38/13	1250/825	30083/19851	2327/1013	2334/1016	4/6P-38/13	82/73	1103
		34641/22858	2245/977	2254/982		82/73	
		39930/26348	2126/926	2138/931		82/73	
		47807/31546	1873/815	1890/823		82/73	
		53602/35370	1642/715	1664/725		81/72	
		59491/39256	1319/574	1346/586		80/71	
		62594/41304	1094/476	1124/490		78/69	
		67213/44352	737/321	772/336		75/66	

5 Performance Curves
性能曲线

The performance of each model fan at different speeds is represented by a cluster of curves.

The curve shows the performance of the fan in the standard state. When the service conditions are different from the standard state, it should be converted according to the relevant formula.

Shaft power curve shows the actual power consumption of the fan.

Note: When ordering, please specify the installation method: ventilation type/fire protection type, hoisting/landing, tuyere position, indoor/outdoor, junction box position, etc.

每个型号风机由一簇曲线表示不同转速下的性能。

曲线显示为风机在标准状态下的性能，当使用条件于标准状态有不同是应按照有关公式换算。

轴功率曲线显示风机实际耗用的电能。

注：订货时请说明安装方式：通风型 / 消防型，吊装 / 落地，风口位置，室内 / 室外，以及接线盒位置等。

Example: HTFC-V-I-630-7.5 air volume 15512 m³/h and pressure 950 Pa

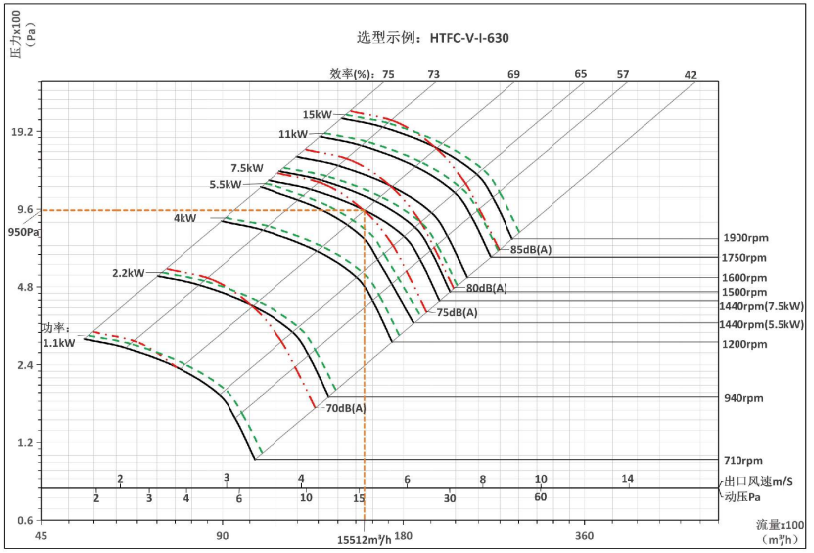
A, take the vertical line from the air volume coordinate of 15512 m³/h and the horizontal line from the pressure coordinate of 950 Pa, and the intersection point is the "working point". At this time, the corresponding rotating speed is 1440rpm, the total pressure efficiency is 69%, the shaft power is 5.6kW, the noise is 74dB(A), the outlet wind speed is 5.3m/s, and the Outlet dynamic pressure is 15Pa, the static pressure is calculated to be 935 Pa ;

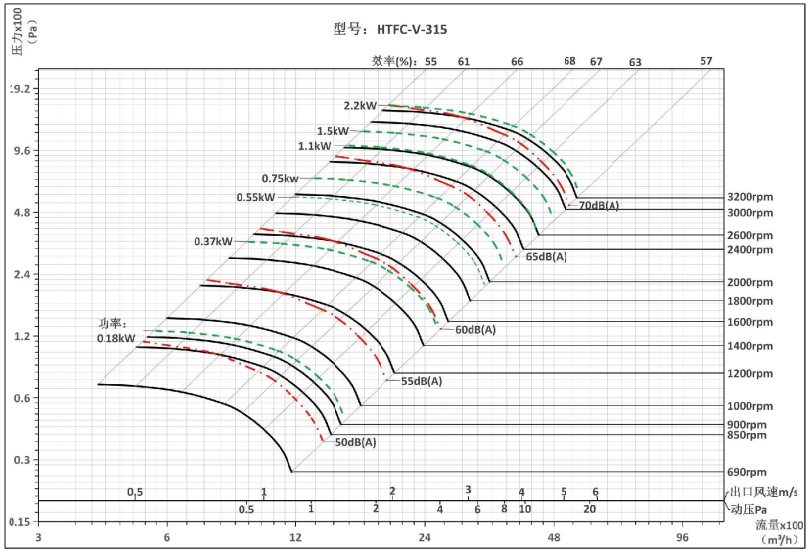
B, If the 'working point" is below the selected curve, it means that the performance is positive deviation with allowance, and above the selected curve, it means that the performance is negative deviation. The deviation should meet the requirements. When the deviation is large, the belt drive should be adopted to adjust the impeller speed to meet the required parameter requirements.

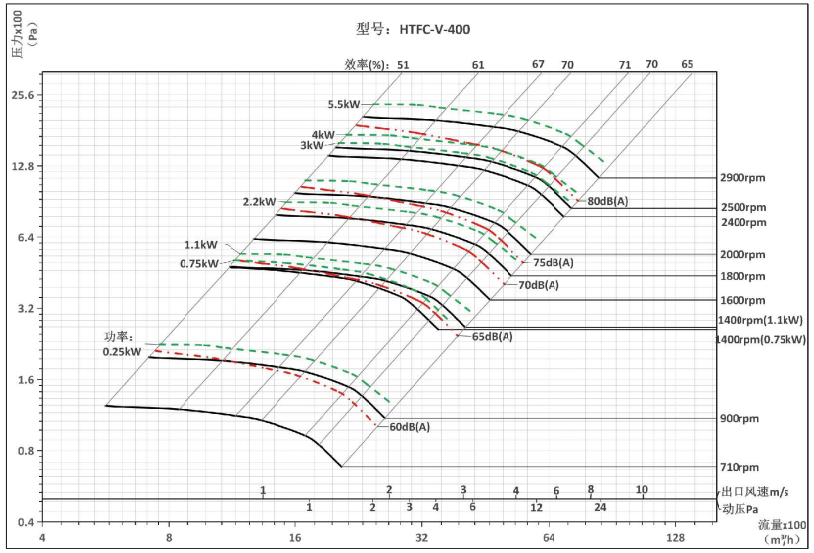
选型举例：HTFC-V-I-630-7.5，风量 15512m³/h，压力 950Pa。

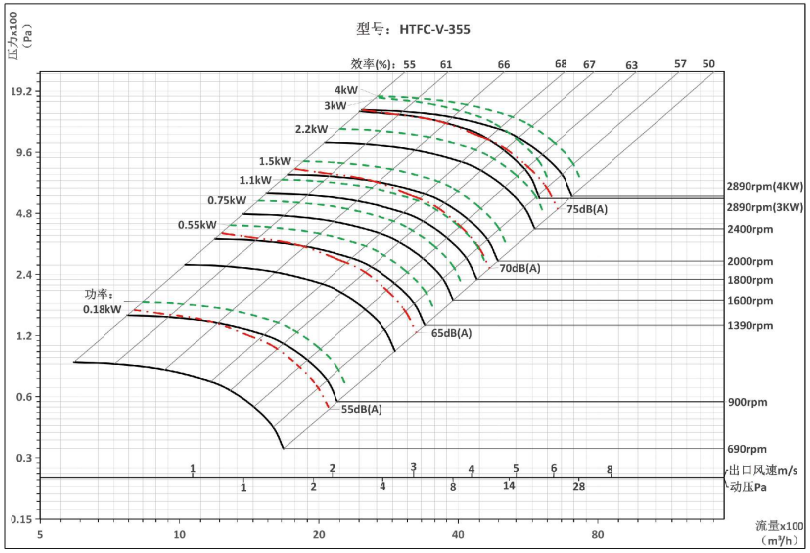
a: 从风量坐标 15512m³/h 出发作垂直线，压力坐标 950 出发作水平线，其交点即为 “工况点”，此时转速对应为 1440rpm，全压效率为 69%，轴功率为 5.6kw，噪音 74dB(A)，出口风速 5.3m/s，出口动压 15Pa，静压计算得 935Pa。

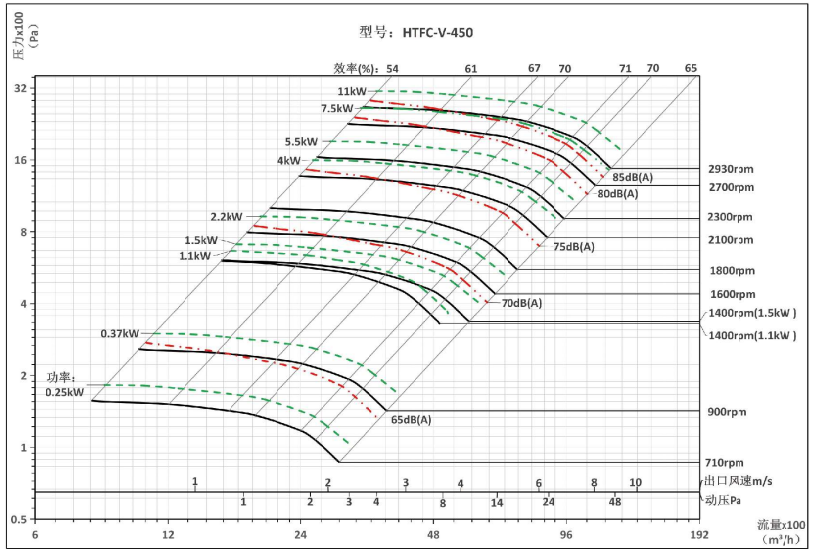
b: 若 “工作点” 在选择曲线的下方，说明性能为正偏差有余量，在选择曲线的上方，说明性能为负偏差有余量。偏差应符合要求，对于偏差较大时应采用皮带传动来调整叶轮转速，达到所需的参数要求

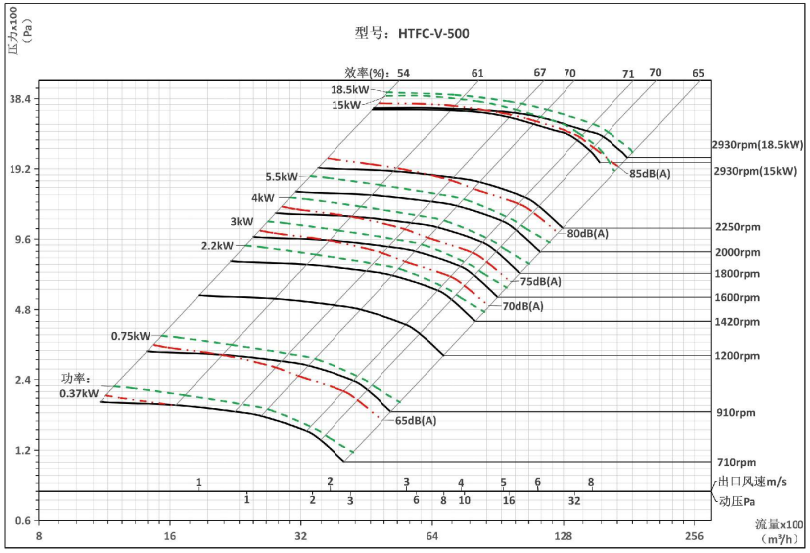


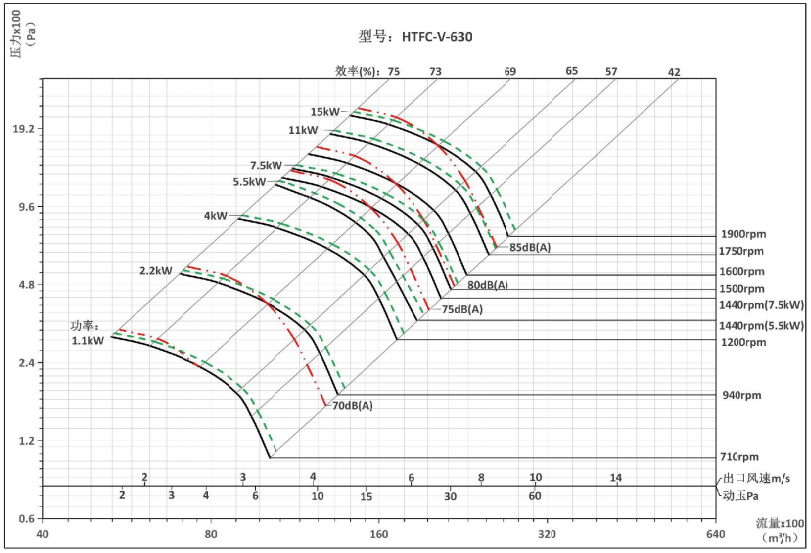

型号：HTFC-V-315
压力x100（Pa）
效率(%)：55 61 66 68 67 63 57
2.2kW
1.5kW
1.1kW
0.75kw
0.55kW
0.37kW
功率：
0.18kW
70dB(A)
65dB(A)
60dB(A)
55dB(A)
50dB(A)
3200rpm
3000rpm
2600rpm
2400rpm
2000rpm
1800rpm
1600rpm
1400rpm
1200rpm
1000rpm
900rpm
850rpm
690rpm
出口风速m/s
动压Pa
流量x100（m³/h）

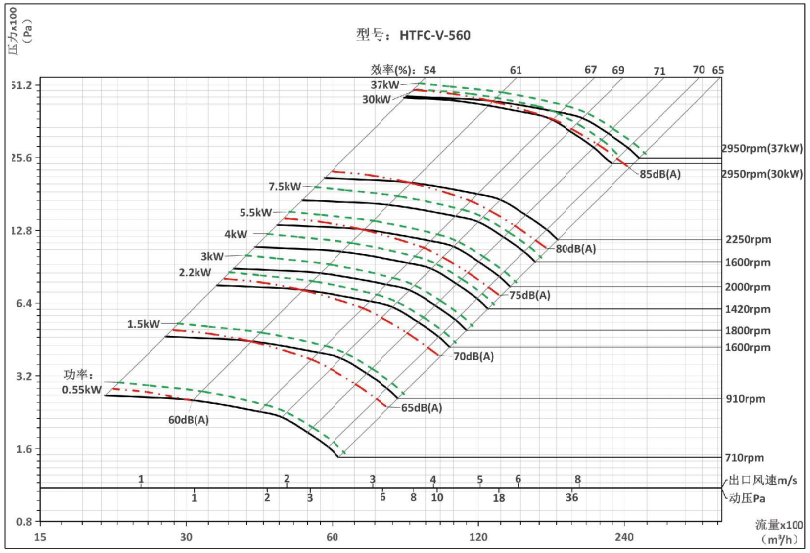

型号：HTFC-V-400
压力x100（Pa）
效率(%)：51 61 67 70 71 70 65
5.5kW
4kW
3kW
2.2kW
1.1kW
0.75kW
功率：
0.25kW
80dB(A)
75d3(A)
70dB(A)
65dB(A)
60dB(A)
2900rpm
2500rpm
2400rpm
2000rpm
1800rpm
1600rpm
1400rpm(1.1kW)
1400rpm(0.75kW)
900rpm
710rpm
出口风速m/s
动压Pa
流量x100（m³/h）

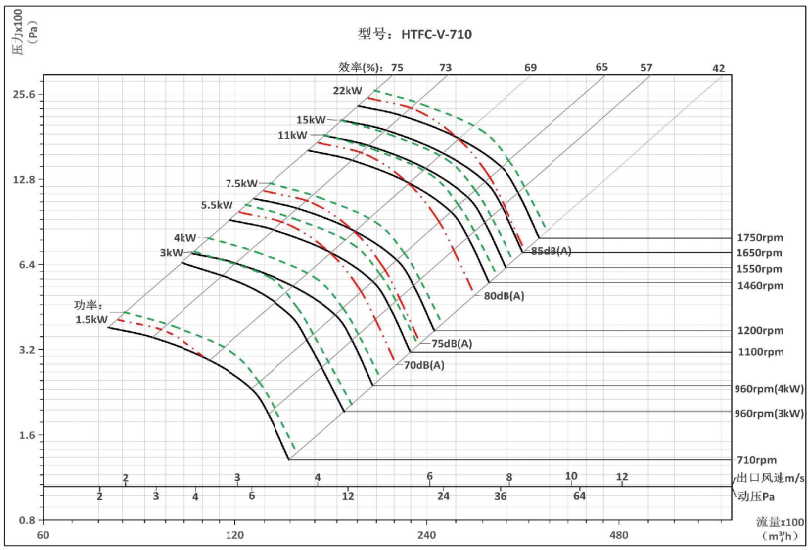

型号：HTFC-V-355
压力x100（Pa）
效率(%)：55 61 66 68 67 63 57 50
4kW
3kW
2.2kW
1.5kW
1.1kW
0.75kW
0.55kW
功率：
0.18kW
75dB(A)
70dB(A)
65dB(A)
55dB(A)
2890rpm(4KW)
2890rpm(3KW)
2400rpm
2000rpm
1800rpm
1600rpm
1390rpm
900rpm
690rpm
出口风速m/s
动压Pa
流量x100（m³/h）

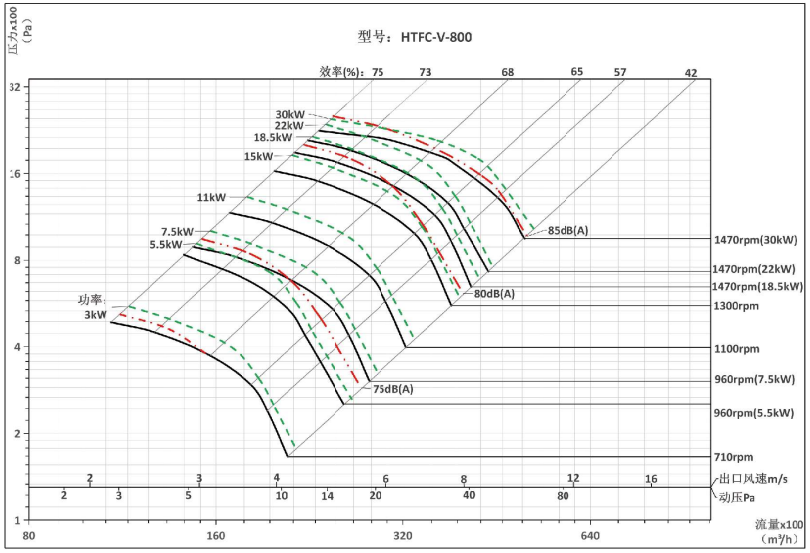

型号：HTFC-V-450
压力x100（Pa）
效率(%)：54 61 67 70 71 70 65
11kW
7.5kW
5.5kW
4kW
2.2kW
1.5kW
1.1kW
0.37kW
功率：
0.25kW
85dB(A)
80dB(A)
75dB(A)
70dB(A)
65dB(A)
2930rpm
2700rpm
2300rpm
2100rpm
1800rpm
1600rpm
1400rpm(1.5kW)
1400rpm(1.1kW)
900rpm
710rpm
出口风速m/s
动压Pa
流量x100（m³/h）

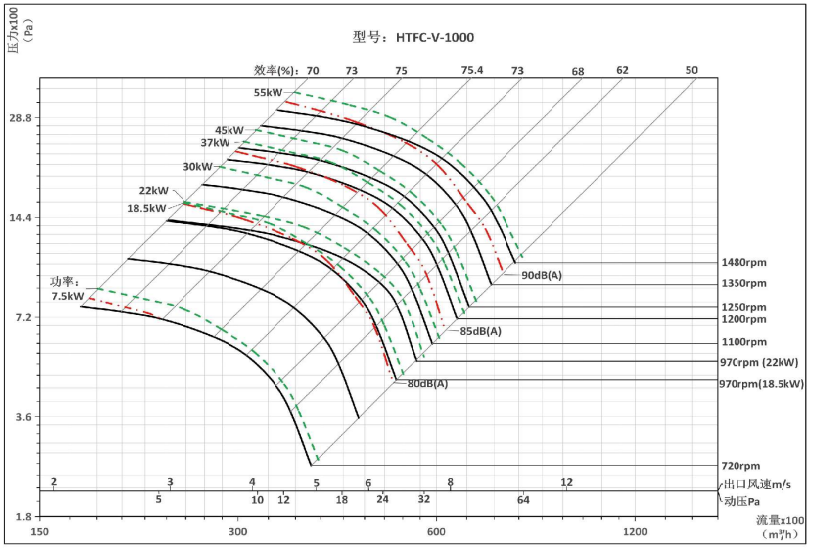

型号：HTFC-V-500
压力x100（Pa）
效率(%)：54 61 67 70 71 70 65
18.5kW
15kW
5.5kW
4kW
3kW
2.2kW
0.75kW
功率：0.37kW
85dB(A)
80dB(A)
75dB(A)
70dB(A)
65dB(A)
2930rpm(18.5kW)
2930rpm(15kW)
2250rpm
2000rpm
1800rpm
1600rpm
1420rpm
1200rpm
910rpm
710rpm
出口风速m/s
动压Pa
流量x100（m³/h）

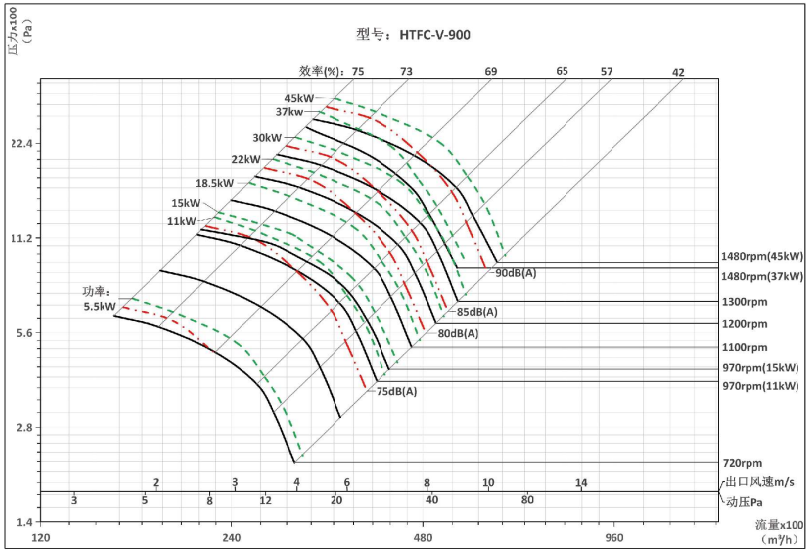

型号：HTFC-V-630
压力x100（Pa）
效率(%)：75 73 69 65 57 42
15kW
11kW
7.5kW
5.5kW
4kW
2.2kW
功率：1.1kW
85dB(A)
80dB(A)
75dB(A)
70dB(A)
1900rpm
1750rpm
1600rpm
1500rpm
1440rpm(7.5kW)
1440rpm(5.5kW)
1200rpm
940rpm
710rpm
出口风速m/s
动压Pa
流量x100（m³/h）


型号：HTFC-V-560
压力x100（Pa）
效率(%)：54 61 67 69 71 70 65
37kW
30kW
7.5kW
5.5kW
4kW
3kW
2.2kW
1.5kW
功率：0.55kW
85dB(A)
80dB(A)
75dB(A)
70dB(A)
65dB(A)
60dB(A)
2950rpm(37kW)
2950rpm(30kW)
2250rpm
1600rpm
2000rpm
1420rpm
1800rpm
1600rpm
910rpm
710rpm
出口风速m/s
动压Pa
流量x100（m³/h）

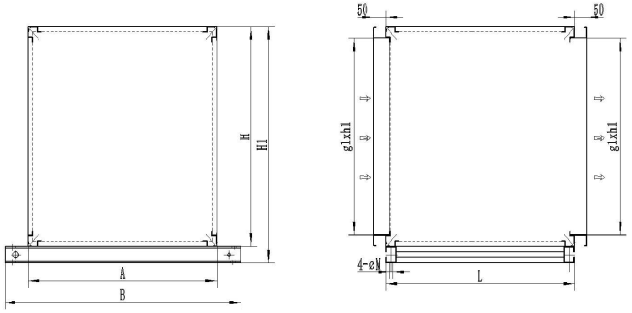

型号：HTFC-V-710
压力x100（Pa）
效率(%)：75 73 69 65 57 42
22kW
15kW
11kW
7.5kW
5.5kW
4kW
3kW
功率：1.5kW
85dB(A)
80dB(A)
75dB(A)
70dB(A)
1750rpm
1650rpm
1550rpm
1460rpm
1200rpm
1100rpm
960rpm(4kW)
960rpm(3kW)
710rpm
出口风速m/s
动压Pa
流量x100（m³/h）


型号：HTFC-V-800
压力x100（Pa）
效率(%)：75 73 68 65 57 42
30kW
22kW
18.5kW
15kW
11kW
7.5kW
5.5kW
3kW
功率：
85dB(A)
80dB(A)
75dB(A)
1470rpm(30kW)
1470rpm(22kW)
1470rpm(18.5kW)
1300rpm
1100rpm
960rpm(7.5kW)
960rpm(5.5kW)
710rpm
出口风速m/s
动压Pa
流量x100（m³/h）


型号：HTFC-V-1000
压力x100（Pa）
效率(%)：70 73 75 75.4 73 68 62 50
55kW
45kW
37kW
30kW
22kW
18.5kW
功率：
7.5kW
90dB(A)
85dB(A)
80dB(A)
1480rpm
1350rpm
1250rpm
1200rpm
1100rpm
970rpm (22kW)
970rpm(18.5kW)
720rpm
出口风速m/s
动压Pa
流量x100（m³/h）

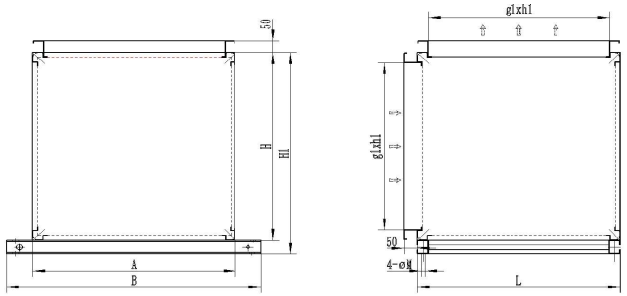

型号：HTFC-V-900
压力x100（Pa）
效率(%)：75 73 69 65 57 42
45kW
37kw
30kW
22kW
18.5kW
15kW
11kW
功率：
5.5kW
90dB(A)
85dB(A)
80dB(A)
75dB(A)
1480rpm(45kW)
1480rpm(37kW)
1300rpm
1200rpm
1100rpm
970rpm(15kW)
970rpm(11kW)
720rpm
出口风速m/s
动压Pa
流量x100（m³/h）

6 Overall Dimensions
外形尺寸



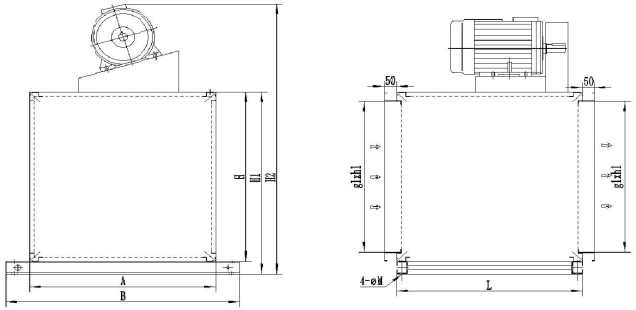
尺寸size / 机型model	L（括号内为2P电机）	A	B	H	H1	法兰尺寸 g1	法兰尺寸 h1	风机底座孔 4-ΦM
HTFC-V-315	610	610	810	610	660	530	530	4-Φ14
HTFC-V-355	625	625	825	625	675	545	545	4-Φ14
HTFC-V-400	660	660	860	660	710	580	580	4-Φ14
HTFC-V-450	700(800)	700	900	700	750	620	620	4-Φ14
HTFC-V-500	800(1000)	800	1000	800	860	720	720	4-Φ14
HTFC-V-560	900(1150)	900	1100	900	960	820	820	4-Φ14
HTFC-V-630	1000	1000	1200	1000	1060	920	920	4-Φ14
HTFC-V-710	1140	1140	1340	1140	1200	1050	1060	4-Φ14
HTFC-V-800	1280	1280	1480	1280	1360	1180	1180	4-Φ16
HTFC-V-900	1400	1400	1600	1400	1480	1330	1300	4-Φ16
HTFC-V-1000	1580	1580	1780	1580	1660	1480	1480	4-Φ16

注：上表为直联时 0°进 0°出风尺寸，其它出风方向参考此尺寸。



尺寸size / 机型model	L（括号内为2P电机）	A	B	H	H1	法兰尺寸 g1	法兰尺寸 h1	风机底座孔 4-ΦM
HTFC-V-315	610	610	810	610	660	530	530	4-Φ14
HTFC-V-355	625	625	825	625	675	545	545	4-Φ14
HTFC-V-400	660	660	860	660	710	580	580	4-Φ14
HTFC-V-450	700(800)	700	900	700	750	620(720)	620	4-Φ14
HTFC-V-500	800(1000)	800	1000	800	860	720(920)	720	4-Φ14
HTFC-V-560	900(1150)	900	1100	900	960	820(1070)	820	4-Φ14
HTFC-V-630	1000	1000	1200	1000	1060	920	920	4-Φ14
HTFC-V-710	1140	1140	1340	1140	1200	1060	1060	4-Φ14
HTFC-V-800	1280	1280	1480	1280	1360	1180	1180	4-Φ16
HTFC-V-900	1400	1400	1600	1400	1480	1300	1300	4-Φ16
HTFC-V-1000	1580	1580	1780	1580	1660	1480	1480	4-Φ16

注：上表为直联时 0°进 90°出风尺寸，其它出风方向参考此尺寸。



尺寸size / 机型model	L	A	B	H	H1	H2	法兰尺寸 g1	法兰尺寸 h1	风机底座孔 4-ΦM
HTFC-V-315	610	610	810	610	660	1000	530	530	4-Φ14
HTFC-V-355	625	625	825	625	675	1100	545	545	4-Φ14
HTFC-V-400	660	660	860	660	710	1150	580	580	4-Φ14
HTFC-V-450	700	700	900	700	750	1200	620	620	4-Φ14
HTFC-V-500	800	800	1000	800	860	1350	720	720	4-Φ14
HTFC-V-560	900	900	1100	900	960	1550	820	820	4-Φ14
HTFC-V-630	1000	1000	1200	1000	1060	1650	920	920	4-Φ14
HTFC-V-710	1140	1140	1340	1140	1200	1800	1060	1060	4-Φ14
HTFC-V-800	1280	1280	1480	1280	1360	2050	1180	1180	4-Φ16
HTFC-V-900	1400	1400	1600	1400	1480	2250	1300	1300	4-Φ16
HTFC-V-1000	1580	1580	1780	1580	1680	2550	1480	1480	4-Φ22

注：上表为皮带传动时 0°进 0°出风尺寸，其它出风方向参考此尺寸。

可选配件

1、进出口反法兰：风管与风机的对接法兰，方便现场配套。

2、进出口软接头（消防型 / 普通型按风机配）：风机与风管间柔性连接装置，便于安装维护，有效减小噪声和震动。

3、减振器：可选吊装或落地安装型，材料可选橡胶或弹簧。根据风机重量配置一般为每台四个。卸载风机动载荷，防止风机水平位移，保证风机平稳运行，降低运行噪音。

4、进出口防护网：防护网是人员和设备的保护装置。

5、接线盒防雨罩、进出口防雨罩：风机室外安装时，能有效防止雨水从进出风口进入风机内部。



DBF Series Variable Air-flow Fan Unit
DBF 系列变风量风机箱

General Description
一、简述

The fan frame is designed as a combined structure with the parts formed by special moulds punching and imported hi-precision metal plates machining. The housing plates have two types,the single-layer and the double-layer.The PU foam, PEF(with function of heat preservation and noise elimination),superfine glass fibers or other soundproofing are used as the middlelayer material of the double-layer plates. The connection of frame and housing plates is firm and airtight with tre perfect performance of thermal insulatior and sound proof.

The double inlet forward curved multi-blade centrifugal fan (A type drive), with tre impeller which has been proved by high speed dynamic balanced test, has the feature of statle operation without vibration. The pressure and airflow volume of fan are comprehensively calculated by precise data acquisition system, which ensures the high quality of each fan.The vairiable airflow volume is adjuested by (1)voltage regulation:(2) frequency conversion.

风机框架采用组合式设计，零件由专用模具冲压以及进口精密钣金机械加工成型。箱板分单层和双层两种，双层板式中间层为聚氨脂发泡而得三层一体之结构或内贴具有保温、消声性能之 PEF 和超细玻璃纤维材料，框架与箱板结合牢固、密封，隔热隔声效具佳。

采用前向多翼式双进风离心风机（A 式传动），叶轮经高速动平衡校验，保证运转之平稳，使之几近无振动之境界。风机的风量风压之测定由精密的数量采集系统予以综合运算，使每台风机具有优良的品质。变风量控制可通过（1) 电源调压式；(2) 电源变频式。

Application Place 应用场所


华侨城


中国尊



万豪酒店


上海浦东机场

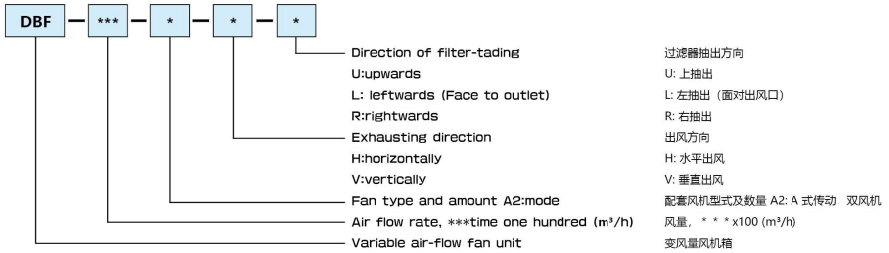

浙江大学医学院


浙江省人民医院


合肥维信诺


阿里巴巴菜鸟物流

Naming Conventions
二、命名说明

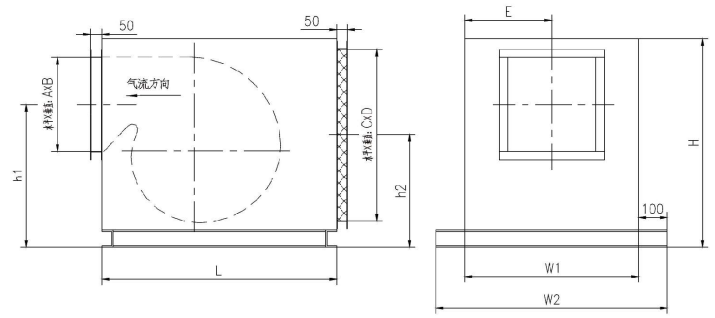


Performance Parameters Table of DBF Series Variable Air-flow Fan Unit (For Type A Motor)
三、变风量风机箱技术性能表（配 A 式电机）

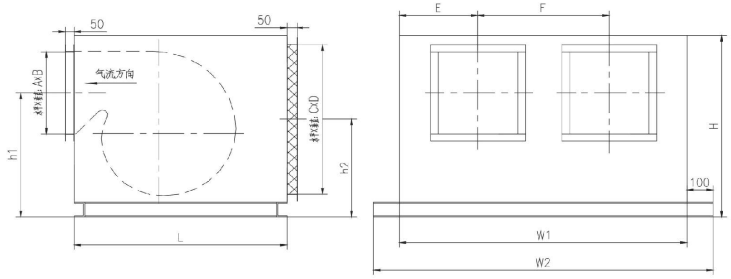
型号 Type	风量 Air flow (m³/h)	全压 Total pressure (Pa)	配用电机 Motor			噪声 Nicse dB(A)	重量 Weight (kg)
			型号 Type	电机功率(kw)-极数 Power-poles	台数 Amount		
DBF20A1	2000	200	DF-10#	0.37-6P	1	60	85
DBF30A1	3000	200	DF-10#	0.55-4P	1	61	90
DBF40A1	4000	330	DF-12#	0.8-6P	1	68	175
DBF40A2	4000	200	DF-10#	0.37-6P	2	62	150
DBF50A1	5000	330	DF-12#	1.1-6P	1	68	185
DBF60A1	6000	305	DF-12#	1.1-6P	1	68	210
DBF60A2	6000	200	DF-10#	0.55-4P	2	63	160
DBF70A1	7000	430	DF-15#	1.8-6P	1	71	220
DBF80A1	8000	800	DF-12#	3-4P	1	78	240
DBF80A2	8000	330	DF-12#	0.8-6P	2	70	290
DBF90A1	9000	430	DF-15#	2.2-6P	1	72	235
DBF90A3	9000	200	DF-10#	0.55-4P	3	65	200
DBF100A1	10000	500	DF-18#	4-6P	1	78	280
DBF100A2	10000	330	DF-12#	1.1-6P	2	70	300
DBF120A1	12000	490	DF-18#	4-6P	1	81	300
DBF120A2	12000	305	DF-12#	1.1-6P	2	70	320
DBF120A3	12000	330	DF-12#	0.8-6P	3	70	380
DBF140A2	14000	430	DF-15#	1.8-6P	2	73	340
DBF150A3	15000	330	DF-12#	1.1-6P	3	72	420
DBF160A2	16000	800	DF-12#	3-4P	2	80	370
DBF180A2	18000	430	DF-15#	2.2-6P	2	74	400
DBF180A3	18000	305	DF-12#	1.1-6P	3	72	532
DBF200A2	20000	500	DF-18#	4-6P	2	80	500
DBF240A2	24000	490	DF-18#	4-6P	2	81	520
DBF240A3	24000	800	DF-12#	3-4P	3	82	545
DBF300A2	30000	650	DF-20#	5.5-6P	2	79	560
DBF300A3	30000	500	DF-18#	4-6P	3	82	570

Horizontal Discharge (With Type A Motor)
四、水平出风示意图（配 A 式电机）

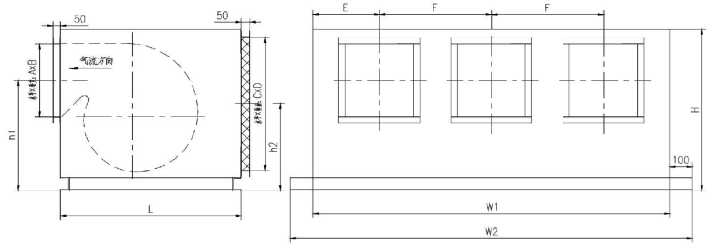
Single-fan type 单风机型



Double-fan type 双风机型



Tri-fan type 三风机型

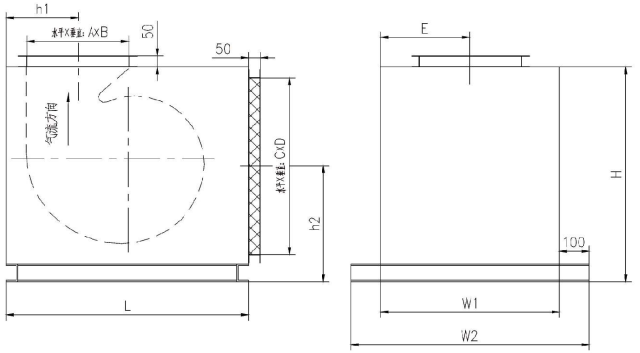


Overall Dimension of Fans With Horizontal Exhausting (With Type A Motor)
五、水平出风外形尺寸（配 A 式电机）

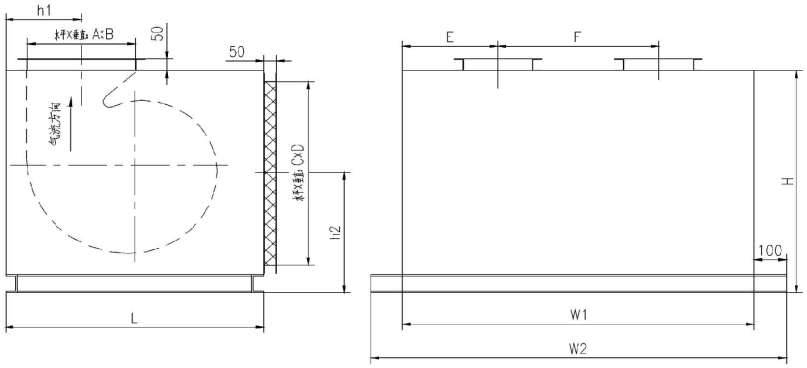
尺寸Size (mm) 型号Type	L	W1	W2	H	h1	h2	A	B	C	D	E	F
DBF20A1H	550	700	900	600	397	325	379	272	620	470	350	/
DBF30AIH	550	700	900	600	397	325	379	272	620	470	350	/
DBF40A1H	740	950	1150	775	517	413	504	377	870	645	475	/
DBF50A1H	740	950	1150	775	517	413	504	377	870	645	475	/
DBF60A1H	740	950	1150	775	517	413	504	377	870	645	475	/
DBF70A1H	860	1050	1250	888	606	476	560	425	970	745	525	/
DBF80A1H	740	950	1150	775	517	413	504	377	870	645	475	/
DBF90A1H	860	1050	1250	888	606	476	560	425	970	745	525	/
DBF100A1H	930	1180	1380	983	665	523	611	490	1100	840	590	/
DBF120A1H	930	1180	1380	983	665	523	611	490	1100	840	590	/
DBF40A2H	550	1310	1510	600	397	325	379	272	1230	470	375	560
DBF60A2H	550	1310	1510	600	397	325	379	272	1230	470	375	560
DBF80A2H	740	1550	1750	775	517	413	504	377	1470	645	405	740
DBF100A2H	740	1550	1750	775	517	413	504	377	1470	645	405	740
DBF120A2H	740	1550	1750	775	517	413	504	377	1470	645	405	740
DBF140A2H	860	1850	2050	888	606	476	560	425	1770	745	500	850
DBF160A2H	740	1550	1750	775	517	413	504	377	1470	645	405	740
DBF180A2H	860	1850	2050	888	606	476	560	425	1770	745	500	850
DBF200A2H	930	1850	2050	983	665	523	611	490	1770	840	500	850
DBF240A2H	930	1850	2050	983	665	523	611	490	1770	840	500	850
DBF300A2H	1020	2100	2300	1093	741	578	625	551	2020	950	550	1000
DBF90A3H	550	1870	2070	600	397	325	379	272	1790	470	375	560
DBF120A3H	740	2300	2500	775	517	413	504	377	2220	645	420	730
DBF150A3H	740	2300	2500	775	517	413	504	377	2220	645	420	730
DBF180A3H	740	2300	2500	775	517	413	504	377	2220	645	420	730
DBF240A3H	740	2300	2500	775	517	413	504	377	2220	645	420	730
DBF300A3H	930	2530	2730	983	665	523	611	490	2450	840	473	792

Vertical Discharge (With Type A Motor)
六、垂直出风示意图（配 A 式电机）

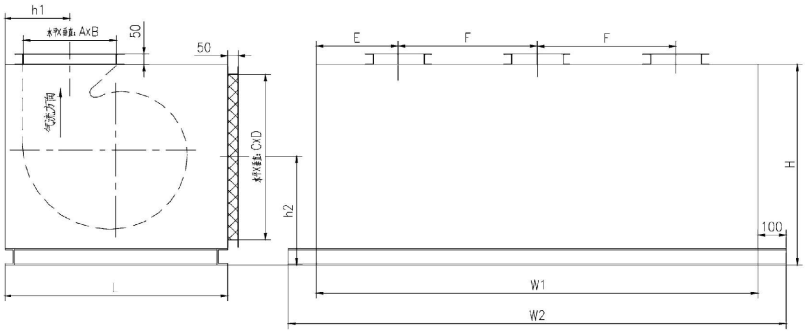
Sing-fan type 单风机型



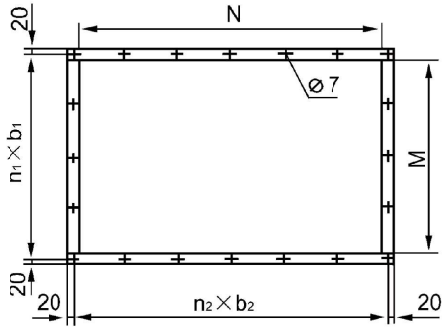
Double-fan type 双风机型



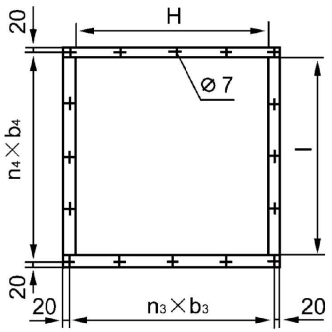
Tri-fan type 三风机型



Inlet Flange 进风口法兰



Outlet Flange 出风口法兰



Overall Dimension of Fans With Vertical Discharge (With Type A Motor)

七、垂直出风外形尺寸（配 A 式电机）

尺寸Size (mm) 型号Type	L	W1	W2	H	h1	h2	A	B	C	D	E	F
DBF20A1V	600	700	900	520	196	285	379	272	620	390	350	/
DBF30A1V	600	700	900	520	196	285	379	272	620	390	350	/
DBF40A1V	800	950	1150	710	249	380	504	377	870	580	475	/
DBF50A1V	800	950	1150	710	249	380	504	377	870	580	475	/
DBF60A1V	800	950	1150	710	249	380	504	377	870	580	475	/
DBF70A1V	1000	1050	1250	813	273	438	560	425	970	670	525	/
DBF80A1V	800	950	1150	710	249	380	504	377	870	580	475	/
DBF90A1V	1000	1050	1250	813	273	438	560	425	970	670	525	/
DBF100A1V	1000	1180	1380	873	305	468	611	490	1100	730	590	/
DBF120A1V	1000	1180	1380	873	305	468	611	490	1100	730	590	/
DBF40A2V	600	1310	1510	520	196	285	379	272	1230	390	375	560
DBF60A2V	600	1310	1510	520	196	285	379	272	1230	390	375	560
DBF80A2V	800	1550	1750	710	249	380	504	377	1470	580	405	740
DBF100A2V	800	1550	1750	710	249	380	504	377	1470	580	405	740
DBF120A2V	800	1550	1750	710	249	380	504	377	1470	580	405	740
DBF140A2V	100	1850	2050	813	273	438	560	425	1770	670	500	850
DBF160A2V	800	1550	1750	710	249	380	504	377	1470	580	405	740
DBF180A2V	1000	1850	2050	813	273	438	560	425	1770	670	500	850
DBF200A2V	1000	1850	2050	873	305	468	611	490	1770	730	500	850
DBF240A2V	1000	1850	2050	873	305	468	611	490	1770	730	500	850
DBF300A2V	1150	2100	2300	973	336	518	625	551	2020	830	550	1000
DBF90A3V	600	1870	2070	520	196	285	379	272	1790	390	375	560
DBF120A3V	800	2300	2500	710	249	380	504	377	2220	580	420	730
DBF150A3V	800	2300	2500	710	249	380	504	377	2220	580	420	730
DBF180A3V	800	2300	2500	710	249	380	504	377	2220	580	420	730
DBF240A3V	800	2300	2500	710	249	380	504	377	2220	580	420	730
DBF300A3V	1000	2530	2730	873	305	468	611	490	2450	730	473	792



GDF Series Centrifugal Duct Fan
GDF系列离心式管道风机

General Description
一、简述

Imported and absorbed internationd advanced technology, the GDF series fan is a new product jointly developed by Shanghai Jiaotong University and Zhejiang Shuangyang Fan Co., Ltd. and Tested by Zhejiang Large-middle Size Fan Testing Station and Hefei General Machinery Research Institute. The fan is charactersized by excellent performance, reliable operation, low-noise, compact stucture, easy in-stallation and direct connecting with ducts.

GDF 系列离心式管道风机，是由上海交通大学、浙江双阳风机有限公司在吸取国外先进技术的基础上加以改进而研制成的新型产品，经合肥通用机械研究所、浙江大中型风机检测站检测，该产品性能好、运转平稳、噪声低、结构合理紧凑、安装方便，可直接与风管连接，是九十年代填补国内空白替代进口产品。

Structure
二、风机结构

1.A impeller of GDF fan is consist of circular arc aluminum alloy blades, front plate and back plate and formed with mechanized moulds. With static and dynamic testing, it have been proved that the impeller has features of stable operation and perfect aerodynamic performance.

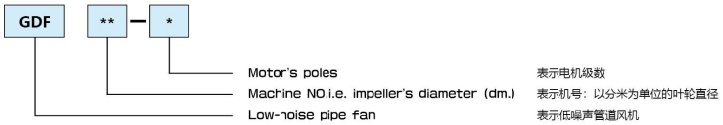
2.The galvanized steel plates or stainless steel plates are used as fan casing material and they are connected by spot welding after mechanized moulds processing, which the mpeller has firm and compact structure.

3.The motor support is formed by mechanized moulds processing with galvanized steel plates.

4.The fan impeller is directly drived by rotating motor enclosure. The impeller is fixed on motor enclosure, the motor support end is fixed on the motor support which is on the enclosure.

1. 叶轮由多个前向圆弧形铝合金叶片、前盘、后盘组成，均采用机械化模具制作而成，并经静、动平衡校验，运转平稳可靠，具有良好的空气动力性能。
2. 机壳采用镀锌钢板或不锈钢板，经机械化模具加工后点焊连接而成，结构牢固、合理紧凑。
3. 电机支座采用镀锌钢板经机械化模具制作成形。
4. 电机均用单支承外旋转电机，叶轮固定在电机外壳上，电机支承端固定在电机支座上，电机支座固定在机壳顶板上，由电机外壳旋转直接驱动叶轮运转。

Neming Conventions
三 、命名说明



Application Condition
四、使用条件

1. Conveying gas:natural,non-corrosive,un-combusitible and harmless gas.
2. Impurity: In the ges sticky matter isn't permissible and dust & hard particle is not more than 120mg/m³.
3. Air temperature: it ranges from-20℃ to 80℃.
4. The GDF series fan is designed to mount indoors strictly according to the front view of in sample book. Don't install it with upside down or inclination to avoid shortening its life. Be sure to take measures for ran-proof if outdoors.

1. 输送气体的种类：空气和其他不自燃的、无腐蚀性的、对人体无害的气体。
2. 气体内的杂质：气体内不许有粘性物质，所含的尘土及硬质颗粒物不大于 120mg/m³。
3. 气体温度使用范围：- 20℃~80℃。
4. 该系列风机仅适用于在室内安装，并应按样本主视图方位安装，不得上下颠倒安装，也不准侧立安装，否则会影响电机使用寿命。如需装于室外，必须考虑电机的防雨措施。

Selection
五、设计选用说明

1. The airflow volume,noise and pressure of the GDF series centrifugal fan is extremely suitable & practical for ventilation & air-exchange of many engineerings. Its noise is much lower than that of axial flow fan.
2. The arrow on the fan casing indicates the direction of air discharge, which ensures the normal operation of supply and exhaust systems.
3. Be sure to design thermal insulating layer if low-temperature conveying gases lead to condensation of the casing or duct.
4. Under rated airflow volume & air pressure, the average noise is got at the distance of one meter away from inlet non-connecting with the duct. The silercer or lined elbow shall be set in the duct to meet the demands of non-noise though the duct can lower the noise.
5. The wiring diagram for single-phase motor (220V) is in the terminal box.
6. There is little vibration during fan operating and the damping mearsures are unnessary. Damping rubber and spring may be set at fan supports if necessary.

1. 该管道风机属前向多翼型离心通风机，在相同风量、风压情况下，其噪声比轴流风机低得多。本系列风机的风量、风压、噪声等参数是根据许多工程实际需要而提出的，广泛适用于公共场所的送、排风系统。
2. 在该风机外壳顶面上标有出风方向的箭头，可避免反向安装，保证送、排风系统的正常使用。
3. 当被输送低温空气有可能造成机壳和管道外表面结露时，应设计保温层。
4. 风机的噪声是在额定风量、风压未接风管时距进风口一米处测得的平均数。如配有进、排风管，则噪声将有所衰减。对于噪声要求较高的场合，应在进、排风管道上配置消声弯头或消声器。
5. 风机配用单相（220V）电机的电源接线图放置在风机电源接线盒内。
6. 风机运行时振动极小，一般不需采取减振措施。若设计认为有必要，可在风机支承处加减振橡胶或减振弹簧。

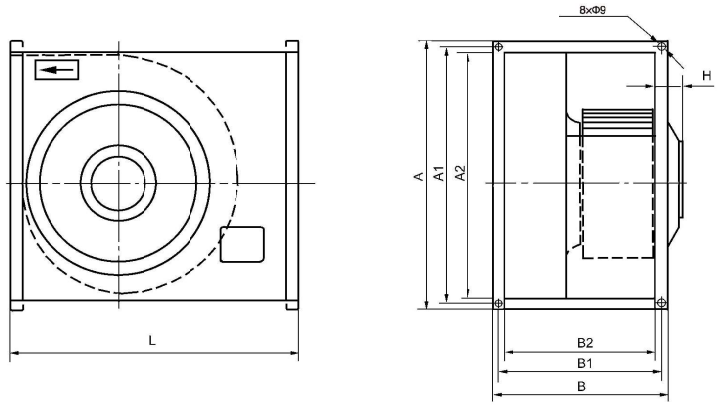
Performance Parmeters Table Of GDF Series Centrifugal Duct Fan

六、GDF 系列离心式管道风机性能参数表

型号 Type	风量 Airflcw volume (m³/h)	全压 Total pressure (Pa)	功率 Power (KW)	转速 Speed (r/min)	电压 Vcltage (V)	噪声 Niose dB(A)	重量 Weight (kg)
GDF1.4-4	196	78	0.12	1220	220	44	5
	178	89					
	146	97					
GDF2.5-8	600	80	0.04	690	220	46	27
	550	91					
	450	100					
GDF2.5-6	800	105	0.12	900	220	53	29
	720	128					
	560	142					
GDF2.5-4	1200	225	0.25	1380	220	61	30
	1000	300					
	860	330					
GDF3.0-8	1260	100	0.09	690	380	52	32
	1000	138					
	800	156					
GDF3.0-6	1640	158	0.18	900	220	58	32
	1300	220					
	1060	246					
GDF3.0-4	2510	370	0.75	1380	380	68	35
	2000	515					
	1620	578					
CDF4.0-10	2300	130	0.18	550	380	56	60
	2000	175					
	1780	190					
GDF4.0-8	2700	210	0.37	690	380	61	62
	2400	260					
	2120	285					
CDF4.0-6	3440	340	0.8	880	380	66.5	56
	3060	422					
	2700	463					
GDF4.5-10	3200	185	0.37	550	380	60	75
	3000	220					
	2750	250					
GDF4.5-8	4000	300	0.8	690	380	66	80
	3760	340					
	3500	380					
GDF4.5-6	5210	510	1.8	900	380	72	73
	4900	578					
	4560	640					
GDF5.0-10	4500	220	0.65	550	380	63	87
	4000	280					
	3650	310					
GDF5.0-8	5460	350	1.8	690	380	70	102
	5000	430					
	4560	470					
GDF5.0-6	7120	590	3.0	900	380	74.5	98
	6520	730					
	5940	790					

Overall dimensions and installation dimensions of GDF series centrifugal tunnel fan

七、GDF 系列离心式管道风机的外形及安装尺寸



机号 Fan size	A	A1	A2	B	B1	B2	L	H			
								10P	8P	6P	4P
1.4	465	435	405	295	265	235	465				/
2.5	478	448	418	308	278	248	480		/	/	/
3.0	558	528	498	358	328	298	560		/	/	/
4.0	758	728	698	458	428	398	780	/	/	/	
4.5	798	768	738	508	478	448	810	/	/	/	
5.0	858	828	798	558	528	498	880	120	120	120	

DPT Series Centrifugal Duct Fan

DPT系列静音型离心式管道风机

The DPT series centrifugal duct fan produced extremely low noise is characterized by excellent performance, reliable operation, compact structure, easy installation and it can be directly plug-in connected with air duct.

This series fan can be widely used for the ventilation or air exchange in areas which have very high requirement to noise, such as in hotels, hospitals, stores, cinema and theater, ballroom, assembly hall, universities and scientific research units and high class civil buildings.

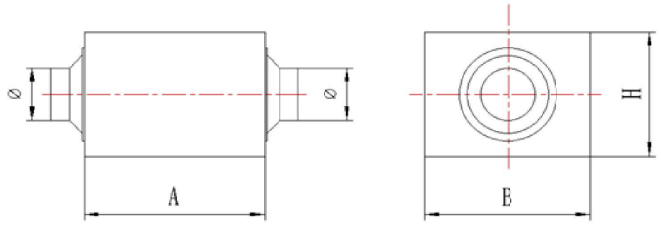
DPT 系列静音型离心式管道风机是超低噪声管道风机，该产品性能好、运转平稳、结构合理紧凑、安装方便，可直接与风管插入式连接。

该产品可广泛用于宾馆、商场、医院、影剧院、歌舞厅、礼堂、大专院校和科研单位，以及工业与民用建筑对噪声要求极高的区域内的通风换气。

performance parameters table for duct fan
管道风机性能参数表

型号 Type	风量 Airflow volume (m^3/h)	最大静压 Max. static pressure (Pa)	输入功率 Input power (W)	噪声 Niose dB(A)	电压 Voltage (V)
DPT10-12B	150	80	25	20	220/50
DPT10-24B	200	160	30	23	220/50
DPT15-32B	380	125	45	27	220/50
DPT15-42B	600	190	60	29	220/50
DPT20-54B	800	200	80	35	220/50
DPT20-54C	1000	240	160	37	220/50
DPT20-65B	1200	360	180	41	220/50
DPT25-76B	1700	420	185	43	220/50
DPT25-76C	1900	430	185	46	220/50
DPT25-86B	2300	900	200	48	220/50
DPT25-86C	2500	1050	200	50	220/50

overall dimensions and chart of duct fan
管道风机外形及安装尺寸

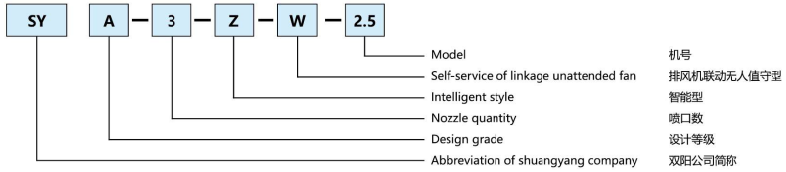


型号 Type	A	B	H	Φ
DPT10-12B	333	261	190	Φ100
DPT10-24B	333	261	190	Φ100
DPT15-32B	383	310	240	Φ150
DPT15-42B	383	310	260	Φ150
DPT20-54B	426	370	312	Φ200
DPT20-54C	426	370	312	Φ200
DPT20-65B	426	370	312	Φ200
DPT25-76B	552	410	397	Φ250
DPT25-76C	552	410	397	Φ250
DPT25-86B	580	415	415	Φ250
DPT25-86C	580	415	415	Φ250

The SYA Series Intelligence Centralism Controls Inducting Fan

SYA系列智能型集中控制式诱导风机

Model representation method of SYA series intelligent centralized control induction fan
一、SYA 系列智能型集中控制式诱导风机型号表示方法



Ventilation efficiency 换气效率

The experience of air change efficiency indicates that if the air in a fixed space is polluted,then the best way to change the air is by air convection,which is called draught. Draught can change the air in the fixed apace with fresh air in a least time,and the efficiency is the best.

Similarly,it you want to renew the air in an underground garage or a bigger space,the best way is by draught.However,there is no natural draught in these particular places,but the inducing draught apparatus can become a man-made draught.

The core principle is that,squirt the wind beam with certain energy,which diffuses and becomes a wind surface,and array the wind surface to become a wind wall by man power,which will emerge along a fixed route,and carry away the polluted air with it on its way to a specific place according to the law of conservation of momentum. Because of uncertainty of the shape of wind,the shape of wind can be changed on its way when it met with some interfaces. Thetheoretical air change efficiency is up to 100%. The air renewal method is regarded as replacement-styled or cross-flow-styled air renewal (JET INDUCTING SYSTEM, AIR TREATMENT SYSTEM,and CYCLE JET AIR SYSTEM) .

Inducing draught apparatus is the key equipment to accomplish man-made draught. It is because of its high efficiency of air renewal that it has been using for about 20 years,since it originated in European and U. S. A. Recently,it has been accepted and used gradually by many customers and professional technicians. In 1999, Beijing Institute of architectural Design have recorded the system and equipment into part 4,chapter 3 of Professional Designing Technique Facilities of Building Equipment,which required clearly that the best way to renew air n a parking garage mechanically is by Jet Inducting system,so as to ensure a smooth air change in the garage,and reduce the cost of air management and the height of occuped layer of the equipment.

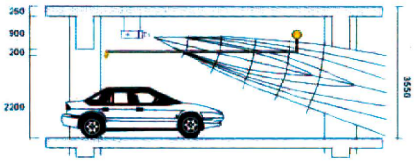
生活经验告诉我们，如果一个固定空间内的空气被污染了，换气最好的方法就是形成空气对流，即俗称的＂穿堂风＂。＂穿堂风＂可以在最短的时间内使固定空间内的气体进行彻底置换，效率是最高的。

同样的，在地下车库或一个更大空间内要实现快速通风换气，最好也能有＂穿堂风＂。但由于这种场合的特 殊性，不可能有自然的＂穿堂风＂来进行通风。而诱导通风设备正是实现人造＂穿堂风＇的设备。

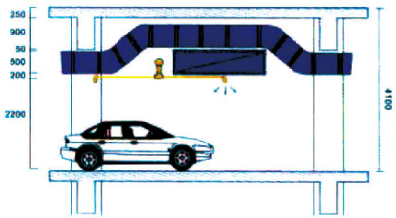
其核心原理是，利用动量守衡定律，把具有一定能量的风束高速喷出，使其逐渐扩散成一个＂风面＂，人为的把各个＂风面＂排列成一堵墙，按设定的路径前进，并携带沿途的污染空气，运动到指定地点。因为风具有形状不确定性，所以可以随进行途中各种截面的变换而变化，犹如一个活塞充满整个空间四壁向前运动。理论换气效率达到 100%. 这种换气方式被称为：＂置换式＂或者＂贯流式＂换气。

诱导通风设备就是实现人造＂穿堂风＂的关键设备，正因为其具有换气效率高的特点，这项起源于欧美的技术，至今已有近 20 年的应用历史。近年来也逐渐被众多的国内用户和专业技术人员接受并运用。北京建筑设计研究院在 1999 年已将这种系统和设备列入《建筑设备专业设计技术规范》第三章第六章第四节。措施明确要求：停车库机械通风宜采用喷射导流通风方式，以保证车库内良好换气，并减少风管费用和车库的设备占用层高。

诱导通风系统



传统通风系统



Economic Property 经济性

The economic property of inducing draught has been demonstrated by countless engineering illustration. What is needed to pay attention to is the comprehensive economical benefit.

Firstly,it can lower the height of layer,and reduce the cost of civil construction and of the underground excavation. By the traditional design method (according to GB19-87 and GB50067-2002),the conventional ventilation volume of garageunderground is 6 times per hour,and supposing that a fire protection section is 4000 ㎡ in the volume,and 3 m in the layer height,then the ventilation volume per hours is: V=4000m³x3mx6times/hour=72000m³/h,that is 20m³/h. Meanwhile,the criterion required that the speed of wind inside the pipe should not be higger than 10m/s, so,the traditional pipe area is 2 ㎡ . Taking the rectangular wind pipe for example,the ratio between length and height ig 5: 1 as specified,then the length is 3.15m and the height is 0.66m.

The inducing facility produced by our company is 0.23m high,go it can reduce the layer height by 0.4m,and the excavation earth youme of the garage by 0.4mx4000 ㎡ =1600m³,and it can decrease the construction area of waterproof coating on the external wall by:maintenance structure total length x0.4m.

It can be seen from above that,the comprehensive cost that has been saved is considerable.

Sencondly,because the equipment has replaced the exhaust duct,it haa reduced the cost of tuyere,tuyere valve end other peripheral equipments,accordingly.

Thirdly,two third of the lower exhaust duct is gone against the traditional way,so the effective utilization area of the garage is increased,and the utility value of the effective space is increased too.

In sum the inducing draught apparatus is to replace the traditional wind pipe and the economic characteristica can be The reduced to:

1、It lowers the layer height,reduces the excavation earth volume,and aave the cost of civil construction;

2、It saves the space;

3、High ventilation efficiency;

4、The construction is convenient;

5、Building block design could be put into effect when designing,which will save the cost of time.

诱导通风的经济性是被无数工程实例证明了的事实。需要强调的是，该设备带来的综合经济效益。

首先，可以降低层高，节省土建成本和地下开挖成本。以传统的设计方法（GB19-87 及 GB50067-2002 规定），地下车库常规换气量为 6 次 / 小时，以一个防火分区 4000 ㎡，层高 3m，一小时换气量 V=4000 ㎡ x3 米 x6 次 / 小时 = 72000 m³/h，折合为 20m³/s。同时规范要求管内风速不能大于 10m/s，所以传统风管面积为 2 ㎡，如矩形风管长高比按 5 比 1 的规范要求，可确定出：长 = 3.15m，高 = 0.66m。

而本公司生产的诱导风机设备高为 0.26m，故可节省 0.4m 的层高，该车库可以减少土方挖量：0.4mx4000 ㎡ = 1600 m³，每根柱可以缩短 0.4m，外墙防水涂层可减少施工面积为：维护结构总长 x0.4m。

上述可见，节约的综合成本相当可观。

第二：因为取代了排风管，相应的减少了风口风阀等外围设备投资。

第三：传统方式要求设置 2/3 的下排风管也不复存在，车库有效使用面积增加，提高了有效空间的利用价值。

综上所述，诱导通风设备取代传统风管，其经济性可归纳为如下几点：

1、降低层高，减少土方开挖量，节省土建成本

2、节省空间

3、通风效率高

4、施工方便

5、设计时可模块化设计，节约时间成本

Characteristics of the Product
二、产品的特点

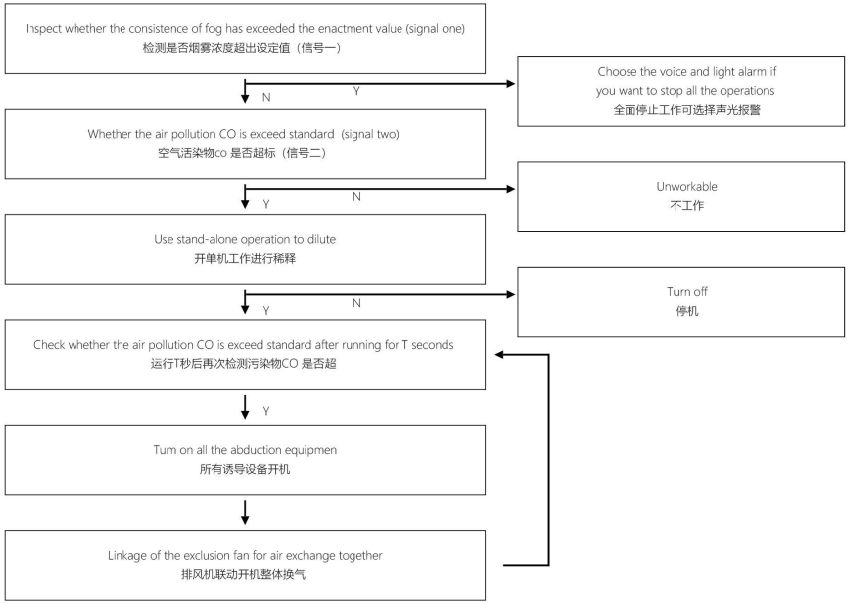
A Comparison of Characteristics Between the Inducing Ventilation System and the Traditional Ventilation System
诱导通风系统与传统通风系统优缺点之比较

对照项目 ITEM	The Inducting Vertilation System 诱导通风系统	The Traditional Vemtiation System 传统通风系统
成本 Cost	It reduces the lower layer height and civil construction; 可以降低层高和土建成本	The remaining space of layer height is limited after beam and wind pipe,so the excavation cost is high; 层高扣除梁和风管后，所剩空间有限开挖成本较高
	CO sensor is installed to control the running status, so as to save the electric cost; 安装CO 感测器，以控制运转状态，可以节省电力费用成本	In order to maintain the air quality,it needs to run the equipment all day long,so the energy consumption is high; Because the air flow distribution is not even,the efficiency of Co sensor is low if one is installed; 若要维持空气品质，需全天候开机，故较费电。即使加装CO感测器，因空气气流分布不均匀，故感测效果差
	The system equipment is small in volume,light in weight, so the construction is convenient and the cost is low. 系统设备体积小，重量轻，施工容易，施工费用低	The svster is huge and complex,which involves tough corstruction 系统庞大复杂，施工不易
空气品质 Air quality	Waste gas is diluted so its content is decreased; 废气庄大量新鲜空气稀释，平均废气浓度降低	One-way fixed wind pipes,partial air moves; 单向式固定风管，空气局部流动
	It can controls the air flowirg effectively,andthe air can flow freely and a nice environment is ensured; 有效控制气流方向，空气完全流通，无停滞死角，确保环境品质	Waste gas flows within a fixed area,so the content of waste gas is high; 废气长期在固定区域流动，故平均废气浓度较高
	Even if the main draught blower is out of work, the Ventila-tion System can keep the air running. 即使主送、排风机停止运转，诱导风机与喷嘴之运作、亦能使空气流动	Once the main draught blower stop working, there will be no air flowing inside the garage. 主送排风机一旦停止运转、停车场内无气流流动
效果 Effect	It is easy to connect it with other pipes,which will save the space,make the construction easier,and gain a beautifull appearance. Low static voltage; 使用诱导通风系统，可将其布置在梁框内，易与其他管路配合、节省空间、施工简单、美观大方	Large sized but low speed rectangular wind pipes which involve a huge, complex and ugly appearance,waste of space and high cost; 大型低速矩形风管，外观庞大复杂、浪费空间、防碍美观、增加造价
	The noise has been greatly reduced. 送排风机静压低，噪音大量降低	It needs to install a long distance draught blower which involves of high loses of static voltage and noise increasing. 需接装长距离风机，静压损失高、噪音相对增加
设计弹性 Design flexibility	System planned,and simply structured; 系统规划，制造简单	It should take the height of the single layer or doubled layer of the car location,and other tubes into consideration,so it is hard to plan it. 需考虑停车位单层或双层，梁柱的宽度、其他配管等问题，规划不易。
	It is blocking designec that each inducing draught blower bear the same area,which will increase the efficiency greatly; 属模块化设计，每台诱导风机可负担的面积相司，因此可大大提高设计工作效率	It needs to calculate the wind force,wind speed at the wind valley, which are all complicated jobs. 需进行水力计算，风口风速核算等烦琐的计算 设计工作量大
	The system design is simple,feasible,and even after the construction has been finished,it is able to change the ven-tilation quantity. 系统设计简单，变动弹性大，即使系统施工完成，仍可视实际需求增减通风量	The designing is complex,and is not feasible,and after the construc--tion. it is diffcult to change the wind pipe system,provisionally. 设计复杂，变动弹性小，一旦规划完成，欲临时增减风管系统较困难
维修保养 Maintenance	It needs no maintenance. 完全不需要维修保养	Sometimes the pipe needs to be cleaned,to ensure a smooth air flowing 必要时清理管路，以维持通畅
泄露量 Leakage quantity	Low leakage volume for there are few junctions 泄漏量低（接点少）	High leakage volume because the joint seam is long; Leakage check is hard for a big capacity; It hard to mend the leakage because of the big capacity too. 泄漏量高（接缝长），查漏麻烦（体积大），补漏不容易（体积大）

The operation procedure and application of intelligent abduction fan
三、智能诱导风机工作流程及应用

The purpose of abduction fan's intelligent controlling is energy-saving and keeping away from mistake steps,and make the exclusion system more reliable,economic operation,also can improve the aptitude class of the whole building.

诱导风机智能控制的目的，是为了有效节能和防范误动作。使诱导排风系统更安全可靠，经济的运行。同时也是为了提高整个楼宇的智能等级。



1. As the special surrounding of underground garage (insufficient oxygen),there will be a lot of smoke and CO in the beginning of fire. You can image the result,if abduction fan starts work at beginning. So it is inaccurate if considering the CO thickness as the exclusive turning on factor. Since CO is not the only pollution from cars,it's necessary to increase the fog index.

2. It's obviously not economical if starting the whole system when we inspect out the exceeding CO. So,setup the procedure as following:when inspect out the exceeding CO at first time,only need to turn on the nearest fan to dilute. There is enough space in the whole garage to contain a certain pollution.

3. After working for the enacted hours,and the CO thickness is still exceeding,the procedure should consider the garage is full, and must turn on the whole system for air exchanging.

4. After the whole abduction system is turned on,it only formed the flow in garage,and send the wind to ejection wind opening ac-cording to design channel. The flow only can be ejected after turn on the ejection fan. So the ejection fans'linkage is necessary. The same principle,in the safety area,it needs the linkage wind delivery to supply fresh air.

1. 因为地下车库环境特殊（供氧不充分）。在火灾初期会产生大量烟雾和一氧化碳 CO。如果，此时诱导风机开始工作，那么后果可想而知。所以，单纯检测 CO 浓度作为开机指标是不准确的。因为 CO 的产生不只是唯一的车辆尾气。必须增加烟雾指标。

2. 第一次检测到 CO 超标就开启整个系统，显然是不经济的。所以，程序设定：第一次检测到 CO 超标只需要开启附近的 1 台进行稀释。整个车库空间也有足够余地来容纳某一点的污染。

3. 当同一台在工作了设定的稀释时间后，CO 还是超标，程序有理由认为整个车库已经饱和。必须开启整个系统换气。

4. 整个诱导系统开启后，只是在车库内形成流场，是空气按照设计路线输送到排风口。必须开启排风竖井里的排风机才能向外排放。所以，必须联动排风机。同理，如果是安全为区，则要联动送风风机，补充新风。

Basic function and expanded function
四、基本功能和扩展功能

Basic function A、基本功能

Manual 1、手动

Tining turn on and turn off 2、定时开关机

24 hours can be setup to 5 period of time,timing turn on (aim at the actual flux of the garage) ,the working time depend on the consumer,can be from 0-120 minutes.

一天 24 小时可设置成 5 个时段，定时开机（针对车库的实际使用流量），开机工作时长 0-120 分钟，由用户自行设定。

Automatic inspection 3、自动检测

Examination spy inspect the CO density automatically,after exceeding the initial value will start single operation (the part pollution doesn't need the whole system work,attaining energy-saving purpose) . After working over enactment time,if the pollutant doesn't exceed standard,then shut down. If the pollutant exceeds standard.will open system to form the whole procedure of delivery and ejection,realize self-service and the most economy working estate.

由检测探头自行检测 CO 浓度，超过设定值后自行开单机工作（局部污染不需整个系统工作,达到节能目的）。工作完设定时间后，污染物不超标的，关机。污染物质继续超标的，将开启系统。形成送、排整个流程。实现无人值守和最经济工作状态。

Tining +automatic inspection 4、定时 + 自动检测

The timing mode is the basic operation mode,at the same time,in the middle of the two timing moment,inspect the CC density to decide turn on or not

定时模式为基本工作模式，同时，在定时的 2 个时刻中间，实时检测 CO 浓度，以决定是否开机工作

Brief introduction of the expanded function B、扩展功能简介

Realize long-distance control.forcing turn on and turn off without influence from control procedure,reach digital manage-ment of buildings

1、可实现远程控制，强行开机和关机而不受控制程序影响，实现楼宇数字化管理。

Realize visual management,acd procedure in administrator's PC,make the working state and local situation of each computer in system can be reflected in cartoon form

2、实现可视化管理，在管理员的微机中加装程序，使程序可以以动画形式反映出系统每台设备当前工作状态和现场情况

Find the obstacle point by setup basic function parameters in administrator's PC

3、可在管理员办公室内设置基本功能的各项参数，发现故障点

Internet applications of PC computer will be supplied by for free

4、PC 机应用软件，由我公司免费提供

各项电参数 All the electric parameters

类别 Sort	技术指标 Technology index	参数 Parameter	类别 Sort	技术指标 Technolcgy index	参数 Parameter
风机 Fan	风量Airflow volume	≥700m³/h	控制板Mastering plank	烟雾启动阀值Fog s:arting clque value	38%RC
	出口风速Outlet speed	≥12.5m/s			Tres≤10s
	有效喷射距离Valid jet distance	≥14m			Trec≤30s
	末端风速（14m处）Bottom speed	≥0.53m/s		CO启动阀值CO starting clque value	100PPM+30PPM
	电机参数Motor parameter	220V/50Hz/4P			Trec ≤2. 5min
	功率Power	120W			Trec ≤2. 5min
控制板 Mastering plank	常供电源Frequent power supply	AC220V/50Hz		开机次数 / 时长Tum on times/hours	5次（24小时） / 1~120min
	变压器输Transformer output	DC18V/150mA		自动检测开机次数 / 时长Automatic inspection of tuming on times/ho.urs	随时 anytime/1~120min
		DC7.5V1A			
	待机功耗Standby power consumption	2.7W		烬雾报警复位Fog alarming reposition	手动断电manual break off30s以上

Control characteristic C、控制特性

Input220V/50HZ/4P	输入 220V/50HZ/4P
Setup transfer by working mode	设置工作模式下专
Automaticaly deny mistake operation,and remind the mistake	对误操作自动否认，并提醒错误
Collect all the system operation estate,send and display	收集整个系统的工作状态上传并显示
The slew in interface for all the abnormal signals	对各种异常信号在界面上提示
Long-distance control of visual management	远程控制可视化管理

The working procedure and characteristic of the system D、系统的工作流程及特点

As the original programmer has been optimized,there is no need of concentrated controller. All the branch machine can be the host. Realize head artery,branch exchange,and reduce the peripheral equipment and purchasing cost during using

Every machine (both head and branch) can send linkage signal to head eject wind fan.Change the exclusion in the past,interchange the components in the whole system.

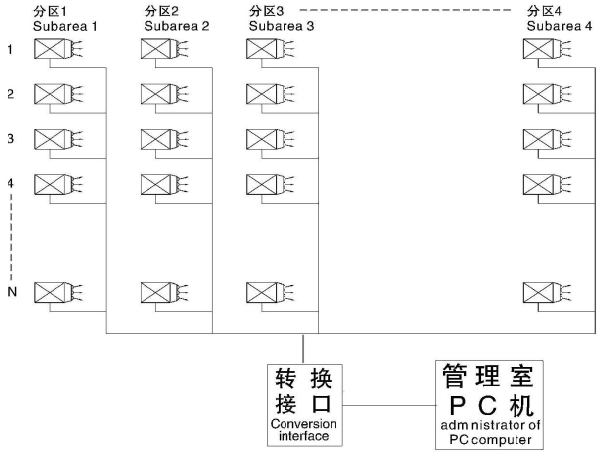
It should be the same equipment during automatic inspection state,the whole system only can be started in set time after continuely turn on two times,and can setup a branch to control the linkage of head deiver&eject fan after how many abduction fans are turned on.

该系统因优化了源程序设计，无须集中控制器。每台子机均可成为主机。实现主、子机互换，减少使用中烦琐的外围设备和采购成本。

每台（无论主、子机）均可输给主排风机联动信号。改变以往设计中的唯一性，使整个系统的部件互换。同时和外围设备更容易兼容。

在自动检测状态下，必须是同一台设备，在规定时间内连续开机二次才启动整个系统，且可以设置一个分区在开启多少台诱导风机的情况下主排、送风机才能联动。节能效果更明显，更科学。

Configuration and buildup of the operation system
配置和实现功能的系统组成



Inspect operation interface of administrate computer
管理室电脑监控操作界面



Rough intelligent module of abduction fan
诱导风机单机智能模块



Remark:subarea can be infinitely expanded (the total length of the communication wire in one subarea can't exceed 1.6km)
说明：分区可以无限扩展（一个分区内的通讯线总长度不大于 1. 6km）

Especial instruction
五、特别说明

1. Temperature sensor and smoke sensor

According to"National Standard of Design Criterion for Automatic Fire Alarming System",in the beginning state with hidden fire,and produce a lot of smoke and some heat,should choose smoke sensor.

Generally the underground garage has the state of hidden fire,produce a lot of smoke and some heat,if choose the temperature sensor,the fire can't be induced in time,and alarming;after the fire reached the temperature which can be induced by the sensor,biggish damage has been caused.

2、Returning of the system status

Every system is made up of different branches,the spot status of each branch (humidity,smoke thickness, CO consistence and so on). Is it available to return to administrate PC, There are two questions for this point,first.is it necessary to return,second.how to return.

The first problem:the request of transmission pattern. At present,the techniques what we can choose are on-off capacity and simulation capacity. On-off capacity is a clique value,it will act if exceed,and won't act if lower. The final purpose of spot status returning is for action (turn on or off) . If every branch can decide by itself (programmer controller) ,there is no need to return.

The second problem:it is a synthesized problem. If return,only can realized by simulated capacity. But the return circuit and sensor of simulated capacity is very expensive. Take the temperature for example,the cost of sensor is about 10 times to an abduction fan. And even more it is impossible to return by simulated capacity of many different signals.

There are showing data from some factories,just simple cartoon menu,not real return data. For this phenomenon,a princi-pal in Shanghai Warm-aeration Union pointed out that is self-deceit and deliberately mystifying.

Comprehensive above-mentioned,combine the national situation and technical request of modern buildings,we should de-cide all the return and output signal use on-off capacity is reasonable,and also of great quality and price ratio.

1、温度传感器与烟度传感器

根据《中华人民共和国国家标准火灾自动报警系统设计规范》(GB50116-98) 中的规定，对火灾初期有阴燃阶段，产生大量烟和少量热的，应选择感烟传感器。

一般地下车库火灾有阴燃阶段，产生大量烟和少量的热，如果选择温度传感器则不能及时感应到火灾的发生，并报警；等火灾发生到燃烧升温到温度传感器能感应到的时候，已经造成了较大的损失。所以，地下车库火灾报警系统应选择感烟传感器。

2、系统状况的回传

每个系统（分区）由各个子机组构成，每个子机的现场状况（湿度，烟雾浓度，CO 浓度等参数）。是否可以回传给控制机房里的 PC 机？这个问题实质是 2 个问题，是有无必要回传；第二是怎么回传。

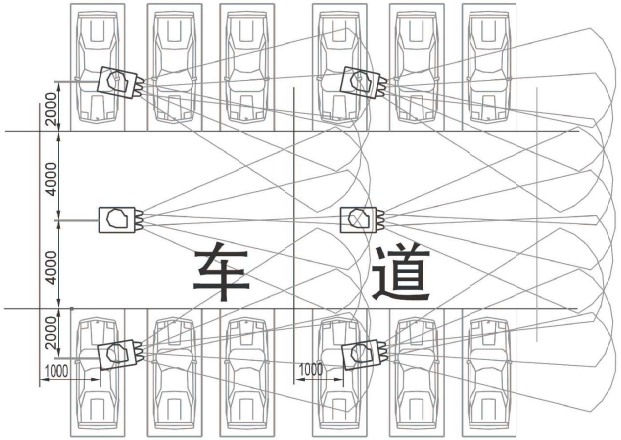
第一个问题：提出了整个系统数据传输格式的要求。目前能选择的技术条件是开关量和模拟量两种。开关量就是一个阀值，超过即动作，低于阀值不动作。现场的状况回传，最终目的是为了决定动作（开机或关机）。如果，每台子机都能自行决定（程序控制），那根本无回传的必要。

第二个问题：是个综合问题。如果要传，那么只能采用模拟量回传。那一个模拟量的回传电路和传感器是相当昂贵的。以温度为例，一个传感器的成本会超过单台诱导风机的成本 10 倍以上。更何况要求多种信号的模拟量回传。这显然是不适合国情的。

目前市面上有厂家演示的数据回传效果，只是简单的动画画面的制作。而不是真正的回传数据。对此现象，上海市暖通协会一位负责人一针见血地指出，那是在自欺欺人，故弄玄虚。

综合上述，结合国情和现行楼宇的技术状态和要求，我们有理由决定，所有回传或输出的信号，采用开关量形式是合理可行的，也是目前性价比最高的一种方式。

Design principle summary
六、设计原则概述



Shuangyang intelligent abduetion series fan consult following national standards

Shuangyang intelligent abduction series fan use C0 consistence to control the on-off automatically,it meets"communal building energy-saving standard" (national standard 50189-2005)

Shuangyang Intelligent abduction series fan use smoke thickness sensor work with fire alarming,it meets clause 7.2.5 of "design criterion of automatic fire alarming system"

The places suitable for abduction series fanthe suitable places need automatic aeration:underground garage、factory workshop、gymnasium,warehouse.

The main principle of disposal for Shuangyang abduction series fan (take underground garage for example)

Carry on the design consideration,take each fire prevention area as an abduction aeration system.

Sctup the main flow places:in order to setup the steady piston space,use the driveway of underground garage as main flow places for abduction fan.

Prevent short circuit of airflow:as the disposal of returning flow in underground garage need integrated consideration,it should take muzzle to dummy compart,setup flow and prevent short circuit as sometimes the distance between delivery and ejection is very near.

Synthetically consider the parking position:synthetically consider the parking distributing and bottom (the ejection place of pollutions) direction to setup the abduction flow,make the flash air on the main stem.

Transfer abduction"gas wall"by"relay"paltern:the abduction fans portrait distance can be considered according to control flow speed not less than 0.5m/s,one"relay"is 9-10 m,and the two side distance is about 4 m.

双阳智能型诱导通风系统参照以下国家标准

双阳智能型诱导通风系统采用 CO 浓度自动控制风机的启停符合《公共建筑节能标准》(国标 50189-2005)5. 5. 11 条款

双阳智能型诱导通风系统采用烟雾浓度传感器与火灾报警的配合符合《火灾自动报警系统设计规范》(GB50116-98) 7. 2. 5 条款

诱导通风适用的场所适用于需要进行机械通风的场合如：地下停车场、工厂车间、体育馆、仓库等

双阳诱导通风系统布置主要原则（以地下车库为例）：以每个防火分区为一个诱导通风系统进行设计考量。

设置主要流场：为设置出稳定的活塞式空间，将地下车库中的车道作为布置诱导风机的主流场。

防止气流短路 由于地下车库中送回风竖井的布置需要综合考虑，所以有时送、排风相距很近，这时就需要利用喷嘴来虚拟分隔，设置流程，防止短路。

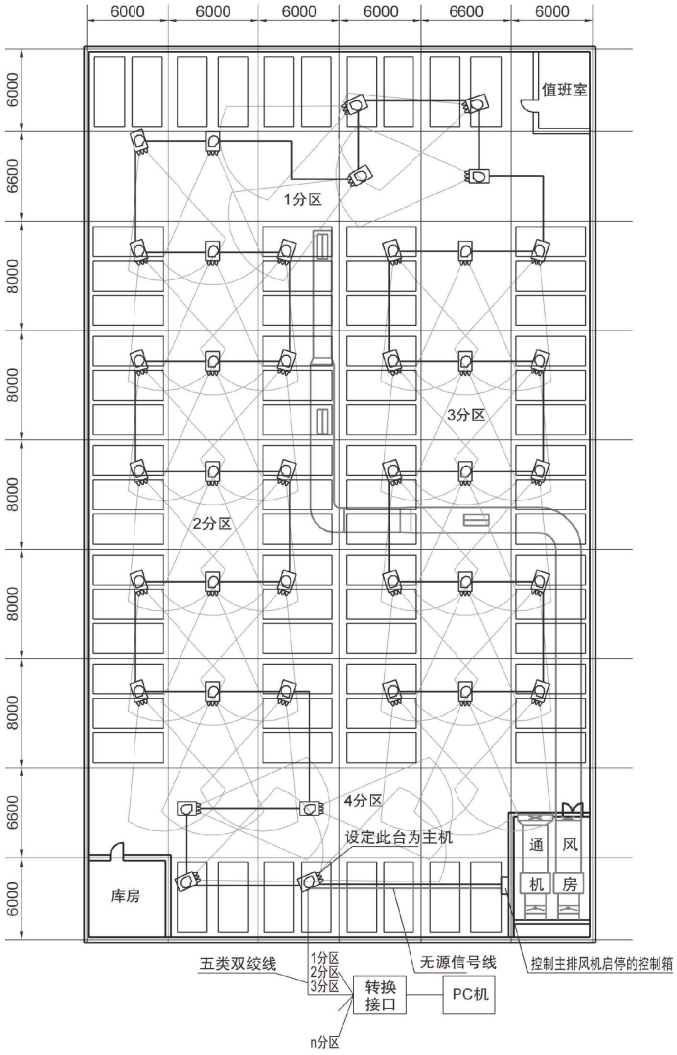
综合考虑车位的设置：综合考虑车位的分布和车尾（污染物排出处）的方来布置诱导风机，使新鲜空气主流位于主道上。

“接力”方式传递诱号“气墙”：每挨诱导风机纵向间距可按末端控制风速不小于 0.5m/s 考虑，即 9-10 米为一“接力”段，两侧间距为 4 米左右距离。

Design Example
七、设计举例

Explanation:enact any abduction fan as the head one.usually choosc the nearest one to fan trunk control thedelivery and ejection. All the head and branch fans have the concentrated controlling function,enact the head one for operation procedure,and branches for coding identification.

说明 可任意设定 1 台诱导风机为主机，一般情况下选择理控制主排、送风机控制箱距离最近的 1 台诱导风机作为主机。每台主、子机均具有集中控制功能，运行程序设定主机，编码识别各个子机。



Common Failures and Troubleshooting
八、常见故障及排除方法

Failures 项目	Checking items 检查位置	Possible reasors 可能故障处理	Troubleshooting 处理
Abnormal Electric Current, and ventilation quantity 异常电流风量过小	Power source,ammeter 电源电流计	Ammeter responses abnormall 电流计有无异常反映	Modify the ammeter 修正电流计
	Electric machine 电机	Defective insulation,or defective junction 绝缘不良，接线不良	Check the value of the insulation 检查绝缘电阻值
			Check the junction 检查接线
			Check the plug 检查插座等
	Voltage of the power 电源电压	Abnormal voltage 电压异常	Check the voltage 检查电压
	Suction inlet 吸入口	Water. Cloth or paper block the inlet 水、布、纸堵塞吸风口	Get rid of it 除去
Abnormal sound 异常声音	Wind quantity 风量	The inlet is blockec 吸风口堵塞，吸入异物	Get rid of it 除去
	Installation 安装	Wind leakage 机箱漏风	Strengthen the suspender, the bracket and the screw 拧紧吊杆、托架螺栓
	Air fan 风机	Abnormal impeller or electric machine 叶轮、电机不良	Modify or change it 修正、更换
Abnormal shake 异常振动	Air box or fan 机箱风机	Abnormal installation 安装不良	Strengthen the suspender, the bracket and the screw 拧紧吊杆、托架螺栓
	Air fan 风机	The impeller is damaged (destroyed or corroded) 叶轮破坏（破损、腐蚀）	Change it 更换
	External shake 外部振动	Check out the external shaking source 检查外部振源	Modify or change it 修正、除去

Cautions
九、注意事项

The debugging should be done by the professional
Don't use this system in hi-wet&hi-temperature surrounding to avoid any creepage
Power cord can't use continuum electrical wire to avoid fire
Please make sure the power supply meets rating voltage,and use the relative over loading protection
Please make the power off when inspection and cleaning
Please contact the supplier when you need maintair.
应由专业人员进行系统的调试工作。
请不要在高湿高温的条件下使用本系统，以免发生漏电。
电源线不可使用连续母线，以免过热发生火灾。
请按规定电压为本系统供电，并使用相应的过载保护。
检查和清洗时请切断电源。
如需维修请与供货商联系。

YDF Series Low-noise Inducting Fan

YDF 系列低噪声诱导风机

Overview
一、YDF 系列低噪声诱导风机概述

New-concept auto jet inducting fan ventilating system is composed of supoy fan.inducting fan and exhaust fan. The working principle is using a little hi-speec air to turbuiize the surrounding static air ard guids fresh air from inlet to outlet,leaving little untouched range. The jet flow width and air fowing capacity increase following the ce-crease of jet flow center speed,so fresh air from the first spray nozzle is designed to guide to the second relaying nozzle. Which is arranged within the range of the first one,one after another,till guiding the exhaust gas to outside. The indoor gas is hi-efficiently and economically exchanged.

Underground parking area is traditionally equiped with low-speed duct ventilating system. But is has lots anc of shortcomings: Large-size section,many places beyond range,occupying more story space,hard tomount high operating cost. So YDF,as a king of newly-developed equipment,is widely used in large-size underground parking area,store-house,shopping center,gymnasium,exhibition center and other buildings all over the world.

全新通风理念的诱导风机，采用射流诱导通风系统。由送风风机、诱导风机和排风机组成。主要运用理论为空气动力学中少量高速喷流气体的扰动特性。扰动喷流能够有效地诱导周围静止的空气，而带动空气流通。在无风管的条件下根据动量守恒定律 喷流的中心速度由出口点起逐渐减低，而喷流宽度逐渐增加，所诱导周围的空气量也逐渐增加。根据这个原理，新风被诱导，并被送到第二个安装在第一个有效射程内的风机（喷嘴），依次下去，新风被送到预定的区域，最后经排风机排至室外。并以适当的系统设计布置，实现最佳的室内气流组织，达到高效经济的通风换气效果。

传统的地下车库通风均采用在库内布置低速风管送排风系统，其最大的缺点是：风管断面尺寸较大，气体往往会聚集在远离空气气流的死角处；车库净高普遍较低，采用低速风管有压迫感；安装工作量大，投资较高；运行费用高。同时有的建筑由于本身特点，风管根本无法安装。

诱导风机已成为欧美、日本等工业发达国家的停车场、各种仓库、体育场以及车间等大空间广泛应用的一种新颖的通风设备，该通风设备已被作为一种常规地下停车场通风方式，将其纳入建筑设备设计规范，正在逐步推广和普及。

Product Features
二、YDF 系列低噪声诱导风机的特点

1. The YDF is simply and flexibly designed and has little possibility for making mistakes.
2. Smaller than 350mm (diameter) pipe is space-saving.
3. No large-size pipe,flexible and simple mounting. The JIF is easy to operate if mounting position well selected.
4. Universal spray nozzle helps to adjust jetting air in all direction.
5. With the help of auto control of Co sensor it's power-saving. Small volume in space,it saves mounting&operating cost.
6. Equiped with mending door and filter net,easy to maintain and repair.
7. Guide fresh air to fully flow,efficiently reduce the density of indoor exhaust gas.
1. 设计简单、灵活，系统规划简单，设计变动弹性大，容易修改，出错机会小。
2. 节省空间：不需要传统通风那样复杂巨大的管路，最大也不过 350mm 口径螺旋风管。
3. 安装简便：无需巨大风管，施工简单，安装方便、灵活；安装位置有针对性，使用方便。
4. 新颖喷嘴：采用挠性喷嘴（或翘角喷嘴），可万向调节，射流方向随意调整，简单方便，灵活机动。
5. 高效节能 利用物理特性诱导风量，故节省电力，运转成本低 并可选配安装 CO 感测器，以控制运转 状态，节省电力费用。设备体积小，安装费用降低。
6. 维护方便：诱导风机设有检修门和过滤网，过滤网清洗方便，风机检修、维护简便。
7. 换气质量高：诱导气体完全流通，不会产生死角，能有效地降低废气浓度，避免污染积累，提高空气品质。

Application of YDF Series Low-noise
三、YDF 系列低噪声诱导风机的应用

1.Underground parking: the underground parking must be ventilated due to vehicle emissions of carbon monoxide and other gases. However, except the thick beam column, there are a lot of fire sprinkler pipes, lighting wires and other facilities in it, so the new type inducting fan has been the best choice in such underground park for its whole space air inducting function, which replaced the traditional ventilation ducts with local ventilation and high CO and CO2 concentration.

2.Large stadium exhibition halls, indoor swimming pools and airport halls: high requirements of indoor airflow organization are required for Large stadium with high roof and large area, in which warm air sending in winter is a common difficult problem. The YDF series low noise inducting fan can quickly adjust the temperature of air conditioning area, send air to every corner of the indoor space and solve the warm air sending problem.

3. All kinds of warehouses and warehouse type supermarkets: YDF series low noise induction fan is an air transmission system and especially suitable for all kinds of warehouses and warehouse type supermarket. With flexible in design and installation, it can organize the airflow according to the needs and meets the different requirements of different goods.

4.Incustria workshops: YDF series low noise inducting fan can not only supply air to the designated places, make the air conditioning system operation in high efficiency and energy saving, but also can adjust the room temperature according to the changes of the factory' s technological process.

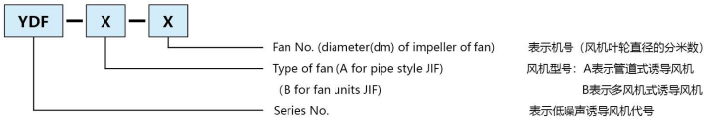
1. 地下停车场：地下停车场由于汽车排放的一氧化碳及其他污染气体必须进行通风换气，但是在地下停车场内，除了粗大的梁、柱外，还存在大量的消防洒水管道、照明电线等等，因此传统的通风管道往往很难布置，并且换气质量不是很高，仅为局部换气，CO 和 CO2 的浓度明显偏高，选用诱导风机，可将送入的室外新风诱导至整个空间。新颖的诱导风机已成为地下停车场通风换气的最佳选择。

2. 体育馆、展览馆、室内游泳馆、机场大厅: 大面积、高屋顶的体育馆对室内气流的组织，有很高的要求，冬季热风下送也是一个普遍难以处理的问题，YDF 系列低噪声诱导风机能够快速将空调区域的温度调整到需求状态，消除送风死角，解决热风下送问题。

3、各种仓库、仓储式超市：YDF 系列低噪声诱导风机是一个空气传送系统，特别适合各种仓库和仓储式超市这样高大空间，由于内部货架高，传统的空调系统只能置于货架之间，结果选成上下很大的温差，不但会影响到货物的质量，而且会形成送风不到的死角。YDF 诱导风机因设计和安装比较灵活机动，可以根据需要对气流进行组织，可针对不同的货物进行设计。

4、工业车间：现代化工业车间为处理庞大的空调负荷，往往需要安装大型风道系统，然而由于工厂车间操作设备，如吊车等的影响，使得风道系统和送风口布置受到限制，送风效果（尤其是冬季）往往难以令人满意。YDF 系列低噪声诱导风机不但可以定点送风，使空调系统高效节能运行，经诱导风机的传送，能快速使室温达到要求。还可以根据工厂工艺流程的变动进行调整。

Naming Conventions
四、YDF 系列低噪声诱导风机型号说明



Comparison of jif and tvs (traditional ventilating system)
五、YDF 系列低噪声诱导风机和传统通风系统的比较

ITEM 项目	YDF 诱导风机	TVS 传统通风系统
Desgn 设计弹性	Simple & flexible 系统设计简单，变动弹性大， 即使系统施工完成，仍可视实际要求增减风量。	Complicated & non-flexible 设计复杂，变动弹性小，一旦规划完成， 欲临时增减风管系统较困难。
Space 空间	350mm (dia) spiral pipe and allow tomount through cross-beam to increasstory space,nice&neat appearance 使用350mm 螺旋风管，可穿梁施工， 以节省楼层高度，增加楼层空间，且外观整洁美观。	lots of complex apipes occupying space and interfe'e with other pipe net for example water pipe,wiring,fire figtirghti pipe 方型风管，庞大复杂，又占空间， 会影响其它公共及施之配套，如消防水管、给水管、弓线管。
Air quality 空气品质	Fresh air fully & quickly flows to reduce the density of exhaust gas with little untouched range 因射流的高速扰动特性，库内空气整体快速流通，不易产生死角， 有效降低废气浓度，并可导引入大量新鲜空气，以确保通风品质。	Low efficiency of ventilation easily causes exhaust gas accumulates with more untouched range 送非风口送非效果差，且无法大量均匀地搅拌空气， 故易产生死角，且不易使废气浓度降低。
Cost 成本	easy mounting to save excavating cost, auto control of CO sensor to save power cost 可降低楼层开挖费用，以增加楼层空间使用率， 并可选配安装CO感测器，以控制运转状态，节省电力费用， 且系统设备体积小，重量轻，施工容易，施工费用低。	24-hcur operating to ensure the indoor air quality is power-costing 若要维持空气品质，需全天侯开机，故较费电， 即使也加装CO感测器，但由于空气气流分布不易均匀， 妆感测效果差，另因系统庞大复杂，施工不易。
Maintenance 维修保养	Simple and easy,fewer times 维修保养相当简单。	needs to dredge the pipeline more often 必要时须清理管路，以维持畅通。
Leaking 泄漏量	fewer junction joints lessen leaking air and make checking easier (by foam) and mending more convenient (by pipe rubberized fabricor silicon gum) 泄漏量低（接点少），查漏容易（使用泡沫检验）， 补漏容易（使用风管补漏胶带或矽胶）。	Larger amount of leaking air,harder to check and mend because of large volume 泄漏量高，查漏麻烦（体积大），补漏不易（体积大）

Performance Data
六、YDF 系列低噪声诱导风机性能参数

Data of YDF-A　YDF-A型管道式诱导风机的性能参数

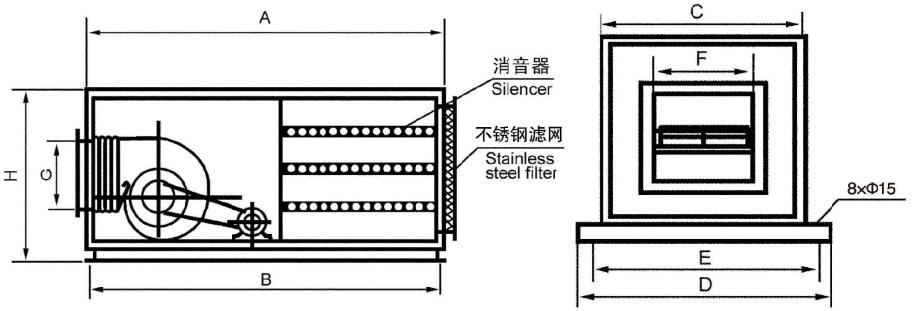
规格 Specification	风量 Air flow (m^3/h)	最高全压 (Max) Total pressure(Pa)	转速 Speed (r/min)	功率 Power (KW)	噪声 Noise dB (A)
YDF-A-1.8#	2400	1500	4428-5600	2.2	86
YDF-A-2.5#	3600	1730	4428-5600	4	87
YDF-A-2.8#	6000	1760	3900	5.5	87

Data of YDF-B　YDF-B型多风机式诱导风机的性能参数

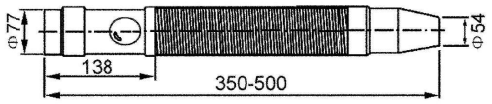
规格 Specification	风量 Air flow (m^3/h)	喷嘴形式(直径x个数) Spray nozzle (daxnumber)	射程 Range (m)	功率 Power (KW)	电源 Power supply (V/Hz)	噪声 Noise dB(A)	重量 Weight (kg)
YDF-B-2.5#	630-850	Φ100x2	12	120	220/50	58	28
		Φ80x3	10				
YDF-B-3#	985-1350	Φ100x2	18	200	220/50	60	35
		Φ80x3	15				

Overall Dimensions
七、YDF 系列低噪声诱导风机外形尺寸

Dimensions of YDF-A　YDF-A型管道式诱导风机外形尺寸



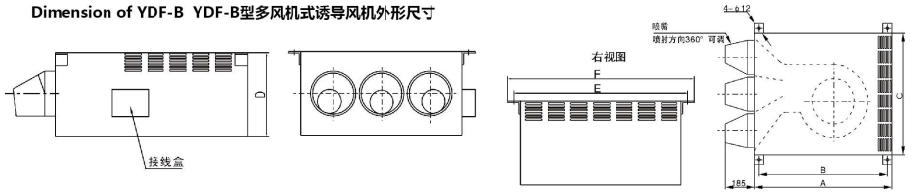
Dimension of YDF-A　YDF-A型外形尺寸



Dimension table of spray nozzle of YDF-A
YDF-A型风机的喷嘴外形图

规格 Specification	A	B	C	D	E	F	G	H
YDF-A-1.8	1450	1410	580	740	660	260	260	680
YDF-A-2.5	1680	1640	660	820	740	320	320	715
YDF-A-2.8	1800	1760	720	880	800	360	360	750

Dimension of YDF-B YDF-B型多风机式诱导风机外形尺寸



规格 Specification	A	B	C	D	E	F
YDF-B-2.5	580	555	450	250	485	510
YDF-B-3.0	600	575	500	280	535	560

Design Description

八、YDF 系列低噪声诱导风机系统的设计

1. Design of air-flow of YDF-A

(1)Get indoor square metre Y (㎡) and work out the amount of air flow Q as follows: Q=Y×35 ㎥/h.

(2)According to air flow Q,set enough (Suppy&discharge) fans in inlet & outlet(Q means the total air flow of supply&discharge fan) .

(3)Each YDF fan for 1000 ㎡ ,each spray nozzle for 30 ㎡ ,each fan is equiped with twenty spray nozzles,which are evenly set to-wards the outlet.

(4)Hi-pressure fan connected with spray nozzle by spiral 350mm duct. The diameter of branch duct gradually decreases to fit the mounting hole.

2. Design of air flow of YDF-B

(1)Underground parking lot needs to exchange air six times per hour. The total exchanging air flow Q equals to n×Y ㎡ /h (n means times)

(2)Set YDF fans suitably in inlet and outlet.

(3)Each fan efficienlty for 100min large parking lot with more obstacles or walls,otherwise for 250 ㎡ .

(4)Based on the number of fans and building situation,mount the JIF one by one from inlet :o outlet.

3. Remarks

(1)YDF system is composed of supply fan,inducting fan units and discharge fan. Supply fan is to supply fresh air,fan units turbulize the surrounding air and guide air from inlet to outlet and guide exhaust gas to outside room by discharge fan.

(2)Supply and discharge fan shall be respectively arranged on ends of fire area.

(3)It is not necessary to mount supply fan in room that has fire area directly to outside.

(4)It is not necessary to mount machinery smoke discharge system in room with the area of less than 2000 ㎡ .

(5)If equiped with auto fire-fighting system,each fire area reaches up to 4000 ㎡ .

(6)Smoke discharge pipe is not for discharging air. Air velocity in the duct can reach up to 20m/s. The range of each smoke outlet can obtain 30㎡. So YDF can reduce the size and quantity of smoke pipe by fifty percent than traditional system. Smoke pipe can be arranged around the wall in room or others because of the large space between two pipes.

1、YDF-A 系列管道式诱导风机风量设计

(1) 计算出楼地板面积及通风量：依建筑技术规范建筑设计施工篇第五章第 139 条之规定，标准换气量为 35 m³/h× ㎡；假如楼地板面积为 Y (平方米)，则通风量为 Q=Y×35 m³/h.

(2) 装置适当台数送排风于送、排风口处（送风机或排风机的总风量等于 Q)，其中送风机是供给新鲜空气用，非风机则是排除废气用。

(3) 适当安装高压风机、喷嘴 每 1000 ㎡，安排管道式风机 1 台，每 30 ㎡，安装喷嘴 1 只 每台高压风机可供给约 20 个喷嘴使用 将高压风机装置于某处，再将喷嘴概略平均分布，唯须注意应向出口方向安排。

(4) 高压风机与喷嘴间经高速螺旋风管联接，其主管以 350mm 为准，支管依次递减至适当孔径，并可穿梁布置。

2、YDF-B 系列多风机式诱导风机风量设计

(1) 根据规范地下汽车库按不小于 6 次 / 小时换气次数确定总风量：Q=n×Vm³/h.

(2) 选择适当的送排风机于送排风口处。

(3) 根据一台诱导风机可以覆盖 100-250 ㎡的原则确定机组数量，当车库面积较小，且隔墙等障碍物较少时取上限，反之当车库面积较大，且隔墙等障碍物较多时取下限.

(4) 根据确定的机组数量以及建筑物形式，以气流从进风口向出风口流动为原则布置机组。

3、设计说明

(1) 诱导通风系统由送风机、诱导风机组、排风机三部分组成。其中送风机是供给新鲜空气用，诱导风机组是把车库内空气搅拌均匀，并把新鲜空气沿着设计路径从送风口诱导至排风口，同时把废气赶至排风机处，接着非风机把废气排出室外。

(2) 送、排风机的位置宜设于防火分区的两端。

(3) 车库内有直接通向室外的汽车出入口的防火分区，可不设送风机。

(4) 面积不超过 2000 ㎡的地下车库，可不设置机械排烟系统。

(5) 设有自动灭火系统的非复式车库，其防火分区的建筑面积可达 4000 ㎡ .

(6) 关于排烟风管：

由于排烟风管不再兼作排风用，故管内风速可升至 20m/s, 每个排烟口的覆盖距离可达 30m, 最终使得排烟风管的尺寸和密度较常规做法有大幅度减少 (一般可减少 50%)，且由于风管间距拉长往往可把排烟风管布置在车库四周沿墙或其它可以不占用车库层高的位置.

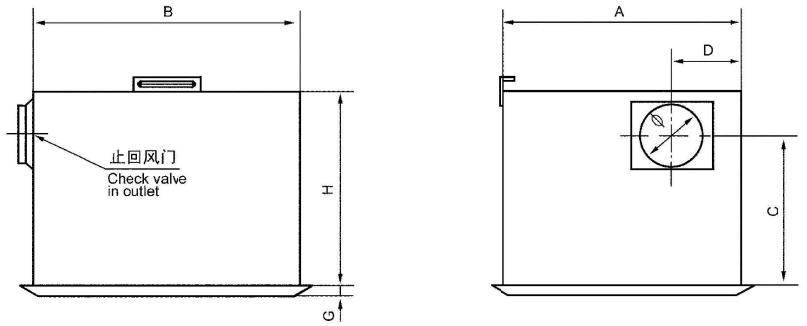
BLD Series Ventilator

BLD系列通风器

BLD 系列通风器由低噪声微型前向多翼离心风机和面板（面板材质有金属和 ABS 工程塑料两种）组成，出风口带有止回阀，可直接安装于吊顶板上，具有噪声低、结构紧凑、安装方便、外形美观等特点，适用于卫生间或其他场合的通风换气。

BLD series ventilator is composed of forward-curved-blade centrifugal mini-fan and plates (metal or ABS) . It can be directly mounted to the ceiling with check valve in outlet. Characterized by low-noise,compact structure,easy installation and neat appearance,the BLD series ventilator is highly suitable for toilets and other roons.

Overall dimension chart of BLD series BLD系列通风器外形尺寸图



Technical parameters and dimension table 通风器技术参数及主要尺寸表

型号Type	风量 Air flow (m³/h)	风压 Air pressure (Pa)	噪声 Noise dB(A) ≤	电机输入功率 Power supply (w)	安装开孔尺寸 Dimension of hole AxB	进风口 Inlet		高 Height H	风口 Outlet G	出风口尺寸、位置 Dimension、position of outlet		
						尺寸 Dimension	材料 Material			D	C	Φ
BLD-90	90	38	42	20	200x200	245x245	塑料 铝合金 Plastic Al-alloy	112	15	55	110	100
BLD-110	110	40	48	25	200x200	245x245		175	14	55	110	100
BLD-140	140	40	48	30	200x200	245x245		175	14	55	110	100
BLD-180	180	45	48	35	275x275	320x320		175	14	55	110	100
BLD-250	250	50	48	40	285x285	340x340		175	18	65	105	115
BLD-400	400	51	48	45	290x290	345x345		205	18	65	105	115
BLD-500	500	55	50	50	290x290	345x345		205	18	65	105	115
BLD-140	140	45	48	25	235x235	290x290		205	22	100	141	100
BLD-180	180	45	48	30	235x235	290x290		205	22	100	141	100
BLD-300	300	60	42	30	350x220	400x270	铝合金 Al-alloy	240	22	127	170	150
BLD-420	420	80	42	40	350x220	400x270		240	22	127	170	150
BLD-550	550	80	42	50	350x220	400x270		240	22	127	170	150
BLD-700	700	100	42	90	360x360	400x400		232	22	130	105	150
BLD-900	900	110	48	110	397x397	435x435		243	22	143	108	150
BLD-1200	1200	115	52	120	397x397	435x435		243	22	143	108	150



HTF Series Axial Flow Fan and Axial Flow Fire-proof Smoke Exhaust Fan
HTF系列轴流式通风机、轴流式消防排烟风机

General Description
一、简述

Type test result is higher than national standard

高于国标的型式检验结果

The fan has passed CCC certification, which ensures 60min normal operation of the fan at the temperature of 280℃ (according to the standard,the operation time of fan is 30min at 280℃ or 45min at 250℃).

消防 3C 检测在 280℃时正常运转 60min（标准为 280℃时运行 30min 或 250℃时运行 45min）以上。

Well designed aerodynamic characteristics

气动特性设计合理

The fan, optimized by three-dimensional flow simulation and multi-objective design with CAD system software, through aerodynamic performance prediction and stress modal analysis,has excellent aerodynamic performance and sufficient strength at high temperature.

风机由 CAD 系统软件，经三维流态模拟多目标优化设计，并作气动性能预示、应力模态分析，确保产品有优良的空气动力性能，并在高温下具有足够的强度。

Fine process and high structural strength

工艺精细，结构强度高

Air duct with elaborate production line: from precision cutting, robot automatic welding, end flange integration spinning molding to flange angles punching, the air duct has standard sizes, nice appearance and high structural strength.

The complete molds production of space twisted blades makes the blades have precision size and stable curved arc; the integral hub is compression molding with the hub edge strengthened by spinning and has the minimum mass and stress under the given rigidity and strength; the spinning streamlined front cover improves the fan efficiency and reduces the noise; the automatic robot welding, high tooling positioning accuracy and the stable and reliable welding effect ensure the long-term and stable operation of fan.

The electrostatic powder spraying production line, via 12 procedures and high temperature baking process, produces perfect anti-corrosion effect.

风筒流水线制作：精细下料、机器人自动焊接、端法兰一体化旋压或型、法兰转角冲孔，尺寸标准外形美观强度高。

空间扭曲叶片全模具化加工，保证叶型曲弧稳定尺寸精确；一体式轮毂模压成型、轮缘旋压加强，在保证给定的刚度和强度条件下，具有质量最轻、应力最少；流线型前罩旋压成型，提高效率和减噪；叶轮机器人自动焊接，工装定位精度高、焊接效果稳定可靠，为产品长期稳定运行提供有效保证。

12 道工序流水线静电粉末喷涂，经高温烘烤，防腐效果好。

High balance level control

内控高平衡等级

All the impellers of this series are statically and dynamically balanced to G2.5 (general fan reaches G6.3 only) balance grade of ISO standard, which ensures the long-term, stable and quiet operation of the fan.

叶轮经静、动平衡校验，内控标准达到 ISO 标准的平衡等级 G2.5（一般产品仅 G6.3），确保产品能长期、稳定、安静运行。

Passed various certifications of China compulsory product, explosion proof, energy efficiency and AMCA

消防 3C、防爆、能效、AMCA 产品多种认证

The HTF fan meets the national standard for the fire-proof smoke exhaust fans in tunnels for tunnel sections and tunnels for metro sections and other buildings, and the explosion-proof type also meets the explosion proof requirement for specific occasions.

The general type for general ventilation and two-speed type for low speed ventilation and exhaust in normal time and high speed smoke exhaust in case of fire accident are available.

The structure types of horizontal, vertical and roof can be provided for this series fan in occasions with different conditions.

The inlet and outlet silencers or acoustic boxed may be provided for the user' s high requirements for noise.

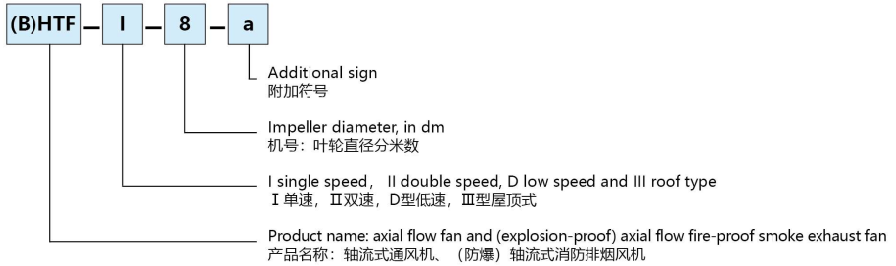
同时满足隧道区间隧道、地铁区间隧道、其它建筑内用消防排烟风机国标要求，防爆型还满足特定场合的防爆要求。

可提供普通型，用于一般通排风要求；也可提供双速风机用于平时低速通排风消防时高速排烟，达到一机两用要求。

可提供卧式、立式、屋顶式结构满足不同使用场合要求。

若用户对噪声有较高要求，进出口可配带消声器或外包消声箱处理。

Naming conventions
二、命名规范



Performance Parameter
三、产品性能参数

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-I-3.5	2900	3350	420	370	0.75	76	35
		3650	412	352			
		3920	402	333			
		4190	388	310			
		4475	366	277			
		4750	337	236			
		5020	300	187			
HTF-I-3.5b	2900	3500	541	486	1.1	76	40
		3890	517	449			
		4268	488	407			
		4610	455	360			
		5008	411	299			
		5410	359	228			
		5810	300	149			
HTF-I-4	2900	4800	553	492	1.5	79	43
		5143	541	471			
		5500	523	443			
		5900	495	403			
		6260	462	358			
		6650	418	301			
		7020	366	235			
HTF-I-4b	2900	6580	565	450	2.2	80	52
		6818	560	436			
		7070	552	419			
		7295	541	400			
		7580	521	368			
		7856	498	334			
		8160	470	293			
HTF-I-4.5b	1450	4941	246	205	0.75	71	48
		5320	243	196			
		5710	237	182			
		6100	226	164			
		6520	210	139			
		6940	190	109			
		7320	168	78			
HTF-I-4.5	2900	6120	726	663	2.2	82	54
		6660	700	626			
		7200	660	573			
		7700	611	512			
		8160	555	443			
		8610	489	365			
		9060	414	276			
HTF-I-5c	1450	6180	280	238	1.1	73	63
		6800	273	222			
		7380	264	204			
		8000	250	179			
		8560	233	152			
		9120	211	119			
		9600	188	86			
HTF-I-5b	2900	5650	668	633	2.2	82	60
		6310	640	596			
		6933	607	554			
		7610	560	496			
		8256	503	427			
		8910	436	348			
		9520	360	259			

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-I-5	2900	6817	762	710	3	83	67
		7515	740	677			
		8210	704	629			
		8861	652	565			
		9546	580	479			
		10176	501	386			
		10810	407	277			
HTF-I-5.5c	1450	7610	322	278	1.5	77	68
		8420	314	260			
		9250	302	237			
		10200	282	203			
		10960	260	168			
		11628	236	133			
		12240	210	96			
HTF-I-5.5b	2900	8060	660	610	3	82	76
		8880	639	579			
		9670	607	536			
		10450	559	476			
		11180	503	408			
		11920	437	329			
		12650	363	241			
HTF-I-5.5	2900	10900	713	622	4	85	79
		11950	698	589			
		12950	679	551			
		13920	649	501			
		14800	609	442			
		15706	553	365			
		16659	480	268			
HTF-I-6c	1450	10692	358	296	2.2	78	86
		11480	351	279			
		12310	339	257			
		13200	320	225			
		14110	296	188			
		15030	267	144			
		15840	237	101			
HTF-I-6b	1450	12500	420	335	3	80	90
		13120	412	319			
		13710	402	300			
		14220	391	281			
		15010	370	248			
		15785	343	208			
		16500	315	167			
HTF-I-6	2900	13100	875	782	5.5	86	110
		14120	850	742			
		15102	818	694			
		16090	779	639			
		17150	725	566			
		18200	663	483			
		19300	586	384			
HTF-I-6.5c	1450	13300	404	334	3	80	98
		14350	394	312			
		15450	378	283			
		16500	358	250			
		17600	332	209			
		18810	298	158			
		19800	264	109			

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-I-6.5b	1450	16600	450	341	4	82	106
		17080	446	330			
		17510	441	320			
		17950	433	305			
		18440	420	285			
		18950	401	259			
		19500	375	224			
HTF-I-6.5	1450	15300	680	587	5.5	84	120
		16700	660	550			
		18000	637	509			
		19250	606	459			
		20500	566	400			
		21650	520	335			
		22820	463	257			
HTF-I-7c	1450	17200	436	349	4	83	108
		18400	428	328			
		19600	414	300			
		20640	397	271			
		21700	374	235			
		22740	344	191			
		23900	305	136			
HTF-I-7b	1450	18225	565	467	5.5	85	135
		19700	554	439			
		21050	540	409			
		22500	516	366			
		24000	481	311			
		25610	431	237			
		27100	375	158			
HTF-I-7	1450	19050	728	621	7.5	86	148
		20430	719	596			
		21800	700	560			
		23250	665	505			
		24680	613	433			
		26010	555	355			
		27400	486	264			
HTF-I-8c	1450	19926	585	516	5.5	84	148
		21540	580	499			
		23140	566	473			
		24650	538	432			
		26350	491	370			
		28010	430	293			
		29520	365	213			
HTF-I-8	1450	26012	713	595	7.5	87	152
		27680	688	554			
		29210	661	512			
		31421	608	436			
		33120	561	370			
		34700	510	300			
		36350	451	221			
HTF-I-8b	1450	26768	855	730	11	88	220
		28620	850	707			
		30620	831	667			
		32800	795	607			
		34980	735	521			
		37292	638	395			
		39360	525	255			

Type 型号	Speed 转速 r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-I-9c	960	25920	445	371	5.5	85	225
		27900	440	355			
		29850	431	333			
		32000	413	301			
		34200	382	254			
		36410	338	193			
		38400	291	129			
HTF-I-9	1450	27613	840	757	11	88	230
		30115	823	724			
		32597	799	683			
		35200	762	626			
		37650	712	557			
		40130	643	467			
		42630	555	356			
HTF-I-9b	1450	33530	915	792	15	90	290
		36700	908	760			
		39800	885	711			
		43000	836	633			
		46100	764	531			
		49020	678	415			
		51600	589	297			
HTF-I-10d	960	30240	420	354	5.5	85	265
		32600	408	331			
		34900	394	306			
		37400	373	272			
		40160	340	224			
		42560	301	170			
		44700	260	116			
HTF-I-10	1450	32360	803	727	11	89	246
		35000	776	688			
		37500	740	639			
		40000	696	581			
		42712	639	507			
		45679	562	412			
		48232	483	315			
HTF-I-10b	1450	37550	925	823	15	90	320
		40840	896	776			
		44040	858	718			
		47300	808	646			
		50800	738	552			
		54210	635	423			
		57120	541	305			
HTF-I-10c	1450	40200	1065	948	18.5	91	350
		43500	1038	901			
		46800	997	839			
		50100	941	760			
		53600	855	648			
		57030	740	505			
		60050	610	350			
HTF-I-11d	960	36200	480	415	7.5	86	305
		39520	464	387			
		43050	439	347			
		46200	410	304			
		49300	372	252			
		52100	330	196			
		54700	288	140			

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-I-11	1450	43060	793	693	15	91	298
		43500	768	652			
		51780	736	603			
		53320	689	538			
		58551	635	466			
		61900	570	381			
		63200	493	283			
HTF-I-11b	1450	45380	945	839	18.5	92	370
		50320	910	785			
		54400	860	714			
		58300	802	634			
		62210	733	541			
		63760	662	448			
		69200	573	336			
HTF-I-11c	1450	50200	1040	915	22	93	410
		53800	1010	867			
		57100	975	814			
		60300	925	745			
		63800	853	652			
		67900	752	524			
		72140	635	377			
HTF-I-11.2a	1450	62880	1003	821	30	94	496
		66839	993	787			
		70815	973	742			
		74820	940	682			
		78780	891	605			
		82760	823	508			
		86800	735	388			
HTF-I-11.2b	1450	69574	1147	924	37	95	545
		73200	1125	878			
		76820	1087	815			
		80630	1027	728			
		84370	948	620			
		88050	853	496			
		91680	745	358			
HTF-I-12c	960	43800	715	632	15	87	415
		51800	702	608			
		54800	682	577			
		57700	651	534			
		60800	604	474			
		64000	536	392			
		67000	465	308			
HTF-I-12	960	58700	741	620	18.5	87	515
		62500	728	591			
		66100	703	550			
		69700	665	495			
		73100	615	428			
		76200	557	354			
		79600	482	260			
HTF-I-12b	960	56500	895	783	22	90	520
		61000	869	739			
		65500	833	683			
		70050	785	613			
		75100	713	515			
		79800	633	410			
		84000	545	298			

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-I-12.5a	1450	66600	922	790	30	94	556
		71770	908	755			
		77180	888	711			
		82310	856	654			
		87410	808	580			
		92650	740	484			
		98080	650	364			
HTF-I-12.5b	1450	75377	1045	876	37	95	605
		80377	1015	823			
		85377	980	763			
		90520	930	686			
		95670	868	595			
		100580	791	490			
		105320	697	367			
HTF-I-12.5c	1450	80820	1125	930	45	96	660
		85858	1101	881			
		90820	1068	822			
		95660	1023	751			
		100650	961	659			
		105630	883	551			
		110800	787	421			
HTF-I-13	960	58530	763	676	18.5	89	560
		63070	745	644			
		67450	718	602			
		71630	682	551			
		75850	633	486			
		79630	576	414			
		83400	509	332			
HTF-I-13b	960	60100	825	733	22	91	580
		65100	808	700			
		69800	785	661			
		74300	751	610			
		79200	698	538			
		84600	624	441			
		89100	550	347			
HTF-I-13c	960	63800	1035	931	30	93	625
		69520	1020	897			
		74620	996	854			
		79100	962	802			
		84000	901	721			
		89100	810	607			
		94560	702	474			
HTF-I-14f	720	58200	605	541	18.5	89	580
		63340	595	519			
		68400	580	491			
		72900	558	457			
		77500	526	412			
		82300	480	351			
		87120	424	280			
HTF-I-14	960	63500	801	724	22	91	611
		69250	776	685			
		74620	743	637			
		80050	693	571			
		85511	623	484			
		90460	545	390			
		95660	452	278			

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-I-14e	960	74500	930	825	30	94	650
		78700	924	806			
		83200	905	773			
		87700	863	717			
		91900	791	630			
		95700	701	527			
		99700	595	406			
HTF-I-14b	1450	71512	1137	1040	37	96	640
		79385	1096	976			
		86800	1035	892			
		94320	950	781			
		101830	839	642			
		108520	726	502			
		114700	608	358			
HTF-I-14c	1450	83220	1190	1058	45	97	755
		91320	1147	989			
		98550	1095	911			
		105820	1023	810			
		112810	933	691			
		119330	832	562			
		126110	711	409			
HTF-I-14d	1450	84976	1371	1234	55	99	856
		93880	1331	1164			
		102380	1281	1082			
		110610	1211	979			
		118887	1113	845			
		127480	978	669			
		135800	818	468			
HTF-I-15f	720	64700	545	485	18.5	89	595
		69800	536	466			
		75100	520	438			
		79860	500	408			
		84700	471	367			
		89840	428	311			
		95800	367	234			
HTF-I-15	960	70133	819	748	22	93	615
		76041	793	710			
		82241	755	657			
		87815	710	599			
		93800	648	521			
		99723	572	428			
		105353	484	324			
HTF-I-15e	960	77200	915	829	30	94	680
		83260	897	797			
		89500	866	750			
		95600	820	688			
		102000	760	610			
		108700	678	507			
		114480	586	397			
HTF-I-15b	960	94780	815	685	37	95	917
		102880	807	654			
		110750	791	614			
		118280	766	564			
		126280	722	492			
		133880	661	402			
		141480	586	297			

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-I-15c	960	98580	928	788	45	96	1036
		106878	918	753			
		115450	897	705			
		123660	858	637			
		131850	795	544			
		139580	714	433			
		146870	626	315			
HTF-I-15d	960	108280	1029	860	55	97	1100
		116480	1016	820			
		124380	996	773			
		132360	960	707			
		140080	902	619			
		147370	825	511			
		154800	728	382			
HTF-I-16f	720	83040	513	436	22	91	720
		86500	511	427			
		89700	506	416			
		93000	493	396			
		96100	471	368			
		98900	442	333			
		101900	406	290			
HTF-I-16	960	82020	920	845	30	96	725
		91210	890	797			
		100506	838	725			
		109686	762	628			
		115633	701	552			
		120233	648	487			
		128653	538	353			
HTF-I-16e	960	88500	960	872	37	96	937
		98000	934	827			
		107500	893	764			
		116300	837	686			
		124300	762	589			
		131500	678	485			
		139000	565	349			
HTF-I-16b	960	110031	858	723	45	96	1051
		119340	848	689			
		128050	833	650			
		136510	808	600			
		145073	773	538			
		153450	723	460			
		161450	662	371			
HTF-I-16c	960	115878	985	835	55	97	1170
		124870	966	792			
		133680	937	737			
		142860	892	664			
		151880	826	568			
		159790	752	467			
		168280	661	345			
HTF-I-16d	960	120980	1113	950	75	98	1608
		132280	1097	902			
		143260	1065	836			
		154270	1010	744			
		164660	935	632			
		174850	841	499			
		183800	745	368			

Performance Parameter Table Of HTF-II Fan
HTF-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-II-3.5	2900/1450	3350/1675	420/105	370/93	0.75/0.17	76/70	35
		3650/1825	412/103	352/88			
		3920/1960	402/101	333/83			
		4190/2095	388/97	310/78			
		4475/2238	366/92	277/69			
		4750/2375	337/84	236/59			
		5020/2510	300/75	187/47			
HTF-II-3.5b	2900/1450	3500/1750	541/135	486/122	1.1/0.25	76/70	41
		3890/1945	517/129	449/112			
		4268/2134	488/122	407/102			
		4610/2305	455/114	360/90			
		5008/2504	411/103	299/75			
		5410/2705	359/90	228/57			
		5810/2905	300/75	149/37			
HTF-II-4	2900/1450	4800/2400	553/138	492/123	1.4/0.3	79/72	45
		5143/2572	541/135	471/118			
		5500/2750	523/131	443/111			
		5900/2950	495/124	403/101			
		6260/3130	462/116	358/90			
		6650/3325	418/105	301/75			
		7020/3510	366/92	235/59			
HTF-II-4b	2900/1450	6580/3290	565/141	450/113	2.5/0.65	80/73	60
		6818/3409	560/140	436/109			
		7070/3535	552/138	419/105			
		7295/3648	541/135	400/100			
		7580/3790	521/130	368/92			
		7856/3928	498/125	334/84			
		8160/4080	470/118	293/73			
HTF-II-4.5	2900/1450	6120/3060	726/182	663/166	2.5/0.65	82/74	62
		6660/3330	700/175	626/157			
		7200/3600	660/165	573/143			
		7700/3850	611/153	512/128			
		8160/4080	555/139	443/111			
		8610/4305	489/122	365/91			
		9060/4530	414/104	276/69			
HTF-II-5b	2900/1450	5650/2825	668/167	633/158	2.5/0.65	82/74	67
		6310/3155	640/160	596/149			
		6933/3467	607/152	554/139			
		7610/3805	560/140	496/124			
		8256/4128	503/126	427/107			
		8910/4455	436/109	348/87			
		9520/4750	360/90	259/65			
HTF-II-5	2900/1450	6817/3409	762/191	710/178	3.1/0.8	83/75	71
		7515/3758	740/185	677/169			
		8210/4105	704/176	629/157			
		8861/4431	652/163	565/141			
		9546/4773	580/145	479/120			
		10176/5088	501/125	386/97			
		10810/5405	407/102	277/69			

TWOSUN® SHUANGYANG FAN

Performance Parameter Table Of HTF-II Fan
HTF-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-II-5.5b	2900/1450	8060/4030	660/165	610/153	3.1/0.8	82/73	78
		8880/4440	639/160	579/145			
		9670/4835	607/152	536/134			
		10450/5225	559/140	476/119			
		11180/5590	503/126	408/102			
		11920/5960	437/109	329/82			
		12650/6325	363/91	241/60			
HTF-II-5.5	2900/1450	10900/5450	713/178	622/156	4.4/1.1	85/76	80
		11950/5975	698/175	589/147			
		12950/6475	679/170	551/138			
		13920/6960	649/162	501/125			
		14800/7400	609/152	442/111			
		15706/7853	553/138	365/91			
		16659/8330	480/120	268/67			
HTF-II-6b	1450/960	12500/8276	420/184	335/147	3.2/1.1	80/73	102
		13120/8686	412/181	319/140			
		13710/9077	402/176	300/132			
		14220/9415	391/171	281/123			
		15010/9938	370/162	248/109			
		15785/10451	343/150	208/91			
		16500/10924	315/138	167/73			
HTF-II-6	2900/1450	13100/6550	875/219	782/196	5.9/1.4	86/76	114
		14120/7060	850/213	742/186			
		15102/7551	818/205	694/174			
		16090/8045	779/195	639/160			
		17150/8575	725/181	566/142			
		18200/9100	663/166	483/121			
		19300/9650	586/147	384/96			
HTF-II-6.5b	1450/960	16600/10990	450/197	341/149	4.7/1.5	82/76	123
		17080/11308	446/195	330/145			
		17510/11593	441/193	320/140			
		17950/11884	433/190	305/134			
		18440/12209	420/184	285/125			
		18950/12546	401/176	259/114			
		19500/12910	375/164	224/98			
HTF-II-6.5	1450/960	15300/10130	680/298	587/257	6.7/2.2	84/78	137
		16700/11057	660/289	550/241			
		18000/11917	637/279	509/223			
		19250/12745	606/266	459/201			
		20500/13572	566/248	400/175			
		21650/14334	520/228	335/147			
		22820/15108	463/203	257/113			
HTF-II-7b	1450/960	18225/12066	565/248	467/205	6.7/2.2	85/78	150
		19700/13043	554/243	439/192			
		21050/13937	540/237	409/179			
		22500/14897	516/226	366/160			
		24000/15890	481/211	311/136			
		25610/16956	431/189	237/104			
		27100/17942	375/164	158/69			

Performance Parameter Table Of HTF-II Fan
HTF-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-II-7	1450/960	19050/12612	728/319	621/272	9.5/3.1	86/79	208
		20430/13526	719/315	596/261			
		21800/14433	700/307	560/245			
		23250/15393	665/291	505/221			
		24680/16340	613/269	433/190			
		26010/17220	555/243	355/156			
		27400/18141	486/213	264/116			
HTF-II-8	1450/960	26012/17222	713/313	595/261	9.5/3.1	87/79	215
		27680/18326	688/302	554/243			
		29210/19339	661/290	512/224			
		31421/20803	608/267	436/191			
		33120/21928	561/246	370/162			
		34700/22974	510/224	300/132			
		36350/24066	451/198	221/97			
HTF-II-8b	1450/960	26768/17722	855/375	730/320	´2/4	88/80	245
		28620/18948	850/373	707/310			
		30620/20273	831/364	667/292			
		32800/21716	795/348	607/266			
		34980/23159	735/322	521/228			
		37292/24690	638/280	395/173			
		39360/26059	525/230	255/112			
HTF-II-9	1450/960	27613/18232	840/368	757/332	´2/4	88/80	256
		30115/19938	823/361	724/317			
		32597/21581	799/350	683/299			
		35200/23305	762/334	626/274			
		37650/24927	712/312	557/244			
		40130/26569	643/282	467/205			
		42630/28224	555/243	356/156			
HTF-II-9b	1450/960	33530/22199	915/401	792/347	15.5/5.1	90/82	323
		36700/24298	908/398	760/333			
		39800/26350	885/388	711/312			
		43000/28469	836/366	633/277			
		46100/30521	764/335	531/233			
		49020/32455	678/297	415/182			
		51600/34153	589/258	297/130			
HTF-II-10	1450/960	32360/21425	803/352	727/319	´2/4	89/81	272
		35000/23172	776/340	688/302			
		37500/24828	740/324	639/280			
		40000/26483	696/305	581/255			
		42712/28278	639/280	507/222			
		45679/30243	562/246	412/181			
		48232/31933	483/212	315/138			
HTF-II-10b	1450/960	37550/24861	925/405	823/361	15.5/5.1	90/82	325
		40840/27039	896/393	776/340			
		44040/29158	858/376	718/315			
		47300/31316	808/354	646/283			
		50800/33633	738/323	552/242			
		54210/35891	635/278	423/185			
		57120/37817	541/237	305/134			

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of HTF-II Fan
HTF-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-II-10c	1450/960	40200/26615	1065/467	948/416	18/6.2	91/83	365
		43500/28800	1038/455	901/395			
		46800/30985	997/437	839/368			
		50100/33170	941/412	760/333			
		53600/35487	855/375	648/284			
		57030/37758	740/324	505/221			
		60050/39757	610/267	350/153			
HTF-II-11	1450/960	45060/29833	793/348	693/304	15.5/5.1	91/83	335
		48500/32110	768/337	652/286			
		51780/34282	736/323	603/264			
		55320/36626	689/302	538/236			
		58551/38765	635/278	466/204			
		61900/40982	570/250	381/167			
		65200/43167	493/216	283/124			
HTF-II-11b	1450/960	46380/30707	945/414	839/368	18/6.2	92/84	380
		50320/33315	910/399	785/344			
		54400/36017	860/377	714/313			
		58300/38599	802/352	634/278			
		62210/41187	733/321	541/237			
		65760/43538	662/290	448/196			
		69200/45815	573/251	336/147			
HTF-II-11c	1450/960	50200/33236	1040/456	915/401	22/8	93/85	450
		53800/35619	1010/443	867/380			
		57100/37804	975/427	814/357			
		60300/39923	925/405	745/327			
		53800/42240	853/374	652/286			
		57900/44954	752/330	524/230			
		72140/47762	635/278	377/165			
HTF-II-11.2a	1450/960	62880/41631	1003/440	821/360	33/11	94/86	555
		56839/44252	993/435	787/345			
		70815/46884	973/427	742/325			
		74820/49536	940/412	682/299			
		78780/52158	891/391	605/265			
		82760/54793	823/361	508/223			
		86800/57468	735/322	388/170			
HTF-II-11.2b	1450/960	59574/46063	1147/503	924/405	38/13	95/87	582
		73200/48463	1125/493	878/385			
		76820/50860	1087/476	815/357			
		80630/53383	1027/450	728/319			
		84370/55859	948/416	620/272			
		88050/58295	853/374	496/217			
		91680/60698	745/327	358/157			
HTF-II-12	950/720	58700/44025	741/417	620/349	17/8.5	87/82	520
		62500/46875	728/410	591/332			
		66100/49575	703/395	550/309			
		69700/52275	665/374	495/278			
		73100/54825	615/346	428/241			
		76200/57150	557/313	354/199			
		79600/59700	482/271	260/146			

Performance Parameter Table Of HTF-II Fan
HTF-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-II-12b	960/720	56500/42375	895/503	783/440	21/11	90/84	525
		61000/45750	869/489	739/416			
		65500/49125	833/469	683/384			
		70050/52538	785/442	613/345			
		75100/56325	713/401	515/290			
		79800/59850	633/356	410/231			
		84000/63000	545/307	298/168			
HTF-II-12.5a	1450/960	66600/44094	922/404	790/346	33/11	94/85	616
		71770/47517	908/398	755/331			
		77180/51098	888/389	711/312			
		82310/54495	856/375	654/287			
		87410/57871	808/354	580/254			
		92650/61341	740/324	484/212			
		98080/64936	650/285	364/160			
HTF-II-12.5b	1450/960	75377/49905	1045/458	876/384	38/13	95/86	651
		80377/53215	1015/445	823/361			
		85377/56525	980/430	763/334			
		90520/59930	930/408	686/301			
		95670/63340	868/380	595/261			
		100580/66591	791/347	490/215			
		105320/69729	697/306	367/161			
HTF-II-12.5c	1450/960	80820/53508	1125/493	930/408	47/16	96/87	760
		85858/56844	1101/483	881/386			
		90820/60129	1068/468	822/360			
		95660/63334	1023/448	751/329			
		100650/66637	961/421	659/289			
		105630/69934	883/387	551/242			
		110800/73357	787/345	421/185			
HTF-II-13	960/720	58530/43898	763/429	676/380	17/8.5	89/81	560
		63070/47303	745/419	644/362			
		67450/50588	718/404	602/339			
		71630/53723	682/384	551/310			
		75850/56888	633/356	486/273			
		79630/59723	576/324	414/233			
		83400/62550	509/286	332/187			
HTF-II-13b	960/720	60100/45075	825/464	733/412	21/11	91/83	585
		65100/48825	808/455	700/394			
		69800/52350	785/442	661/372			
		74300/55725	751/422	610/343			
		79200/59400	698/393	538/303			
		84600/63450	624/351	441/248			
		89100/66825	550/309	347/195			
HTF-II-13c	960/720	63800/47850	1035/582	931/524	30/15	93/84	670
		69520/52140	1020/574	897/505			
		74620/55965	996/560	854/480			
		79100/59325	962/541	802/451			
		84000/63000	901/507	721/406			
		89100/66825	810/456	607/341			
		94560/70920	702/395	474/267			

Performance Parameter Table Of HTF-II Fan
HTF-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-II-14	960/720	53500/47625	801/451	724/407	21/11	91/82	615
		69250/51938	776/437	685/385			
		74620/55965	743/418	637/358			
		80050/60038	693/390	571/321			
		85511/64133	623/350	484/272			
		90460/67845	545/307	390/219			
		95660/71745	452/254	278/156			
HTF-II-14e	960/720	74500/55875	930/523	825/464	30/15	94/85	695
		78700/59025	924/520	806/453			
		83200/62400	905/509	773/435			
		87700/65775	863/485	717/403			
		91900/68925	791/445	630/354			
		95700/71775	701/394	527/296			
		99700/74775	595/335	406/228			
HTF-II-14b	1450/960	71512/47346	1137/498	1040/456	38/13	96/85	679
		79385/52558	1096/480	976/428			
		86800/57468	1035/454	892/391			
		94320/62446	950/416	781/342			
		101830/67418	839/368	642/281			
		108520/71848	726/318	502/220			
		114700/75939	608/267	358/157			
HTF-II-14c	1450/960	83220/55097	1190/522	1058/464	47/16	97/86	863
		91320/60460	1147/503	989/434			
		98550/65247	1095/480	911/399			
		105820/70060	1023/448	810/355			
		112810/74688	933/409	691/303			
		119330/79005	832/365	562/246			
		126110/83494	711/312	409/179			
HTF-II-14d	1450/960	84976/56260	1371/601	1234/541	55/18.5	99/88	1071
		93880/62155	1331/583	1164/510			
		102380/67783	1281/562	1082/474			
		110610/73231	1211/531	979/429			
		118887/78711	1113/488	845/370			
		127480/84401	978/429	669/293			
		135800/89909	818/359	468/205			
HTF-II-15	960/720	70133/52600	819/461	748/421	21/11	93/83	615
		76041/57031	793/446	710/399			
		82241/61681	755/425	657/370			
		87815/65861	710/399	599/337			
		93800/70350	648/365	521/293			
		99723/74792	572/322	428/241			
		105353/79015	484/272	324/182			
HTF-II-15e	960/720	77200/57900	915/515	829/466	30/15	94/85	715
		83260/62445	897/505	797/448			
		89500/67125	866/487	750/422			
		95600/71700	820/461	688/387			
		102000/76500	760/428	610/343			
		108700/81525	678/381	507/285			
		114480/85860	586/330	397/223			

Performance Parameter Table Of HTF-II Fan
HTF-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-II-15b	960/720	94780/71085	815/458	685/385	37/22	95/85	939
		102880/77160	807/454	654/368			
		110750/83063	791/445	614/345			
		118280/88710	766/431	564/317			
		126280/94710	722/406	492/277			
		133880/100410	661/372	402/226			
		141480/106110	586/330	297/167			
HTF-II-15c	960/720	98580/73935	928/522	788/443	45/22	96/86	1036
		106878/80159	918/516	753/424			
		115450/86588	897/505	705/397			
		123660/92745	858/483	637/358			
		131850/98888	795/447	544/306			
		139580/104585	714/402	433/244			
		146870/110153	626/352	315/177			
HTF-II-15d	960/720	108280/81210	1029/579	860/484	55/28	97/87	1100
		116480/87360	1016/572	820/461			
		124380/93285	996/560	773/435			
		132360/99270	960/540	707/398			
		140080/105060	902/507	619/348			
		147370/110528	825/464	511/287			
		154800/116100	728/410	382/215			
HTF-II-16	960/720	82020/61515	920/518	845/475	30/15	96/86	725
		91210/68408	890/501	797/448			
		100506/75380	838/471	725/408			
		109686/82265	762/429	628/353			
		115633/86725	701/394	552/311			
		120233/90175	648/365	487/274			
		128653/96490	538/303	353/199			
HTF-II-16e	960/720	88500/66375	960/540	872/491	37/22	96/86	945
		98000/73500	934/525	827/465			
		107500/80625	893/502	764/430			
		116300/87225	837/471	686/386			
		124300/93225	762/429	589/331			
		131500/98625	678/381	485/273			
		139000/104250	565/318	349/196			
HTF-II-16b	960/720	110031/82523	858/483	723/407	45/22	96/86	1051
		119340/89505	848/477	689/388			
		128050/96038	833/469	650/366			
		136510/102383	808/455	600/338			
		145073/108805	773/435	538/303			
		153450/115088	723/407	460/259			
		161450/121088	662/372	371/209			
HTF-II-16c	960/720	115878/86909	985/554	835/470	55/28	97/87	1170
		124870/93653	966/543	792/446			
		133680/100260	937/527	737/415			
		142860/107145	892/502	664/374			
		151880/113910	826/465	568/320			
		159790/119843	752/423	467/263			
		168280/126210	661/372	345/194			

Performance Parameter Table Of HTF-II Fan
HTF-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-II-16d	960/720	120980/90735	1113/626	950/534	75/37	98/88	1608
		132280/99210	1097/617	902/507			
		143260/107445	1065/599	836/470			
		154270/115703	1010/568	744/419			
		164660/123495	935/526	632/356			
		174850/131138	841/473	499/281			
		183800/137850	745/419	368/207			

Performance Parameter Table Of HTF-I-Y Fan
HTF-I-Y 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-I-4.5-Y	2900	7482	1214	1110	4	95	108
		7815	1171	1058			
		8041	1120	1001			
		8358	1058	928			
		8668	980	840			
		9095	853	699			
		9658	647	473			
		10465	280	74			
HTF-I-5.3-Y	2900	12224	1684	1540	11	99	212
		12767	1624	1467			
		13137	1554	1388			
		13656	1468	1288			
		14162	1359	1166			
		14859	1183	970			
		15780	898	657			
		17098	388	103			
HTF-I-5.6-Y	2900	14419	1880	1719	15	101	238
		15061	1813	1638			
		15496	1735	1549			
		16108	1638	1438			
		16706	1517	1301			
		17528	1321	1083			
		18614	1003	733			
		20169	433	115			

Performance Parameter Table Of HTF-I-Y Fan
HTF-I-Y 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-I-6-Y	2900	17735	2158	1974	18.5	103	300
		18524	2082	1881			
		19059	1992	1779			
		19813	1881	1650			
		20547	1742	1494			
		21558	1517	1243			
		22894	1151	842			
		24807	497	132			
HTF-I-6.3-Y	2900	20530	2379	2176	22	105	368
		21444	2295	2073			
		22064	2196	1961			
		22936	2074	1820			
		23786	1921	1647			
		24957	1672	1371			
		26503	1269	928			
		28717	548	145			
HTF-I-6.7-Y	2900	24694	2691	2461	30	107	428
		25793	2596	2345			
		26539	2484	2218			
		27587	2345	2058			
		28611	2172	1863			
		30018	1891	1550			
		31878	1435	1049			
		34542	620	164			
HTF-I-7.1-Y	2900	29386	2461	2251	37	108	478
		30694	2374	2144			
		31581	2271	2028			
		32829	2145	1882			
		34047	1986	1704			
		35722	1730	1418			
		37935	1313	960			
		41105	567	150			
HTF-I-7.5-Y	2900	34638	2268	2075	37	108	538
		36179	2188	1977			
		37225	2094	1870			
		38696	1977	1735			
		40132	1831	1570			
		42106	1594	1307			
		44715	1210	885			
		48451	523	138			
HTF-I-8-Y	2900	42038	2302	2105	45	109	628
		43908	2220	2006			
		45178	2125	1897			
		46963	2006	1760			
		48705	1858	1593			
		51101	1618	1326			
		54267	1228	898			
		58802	530	141			

Performance Parameter Table Of HTF-I-Y Fan
HTF-I-Y 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HTF-I-11.2-Y	1450	61201	1982	1798	55	110	858
		65797	1883	1685			
		69121	1854	1636			
		77164	1611	1339			
		82803	1409	1081			
		85614	1160	823			
		90314	843	467			
		94525	487	74			
HTF-I-11.8-Y	1450	71573	2191	1986	75	112	1152
		76948	2090	1871			
		80835	2058	1816			
		90241	1789	1486			
		96836	1563	1200			
		100123	1288	914			
		105620	936	518			
		110545	541	82			
HTF-I-12.5-Y	1450	85081	2409	2190	90	112	1248
		91471	2346	2099			
		96091	2310	2038			
		107272	2007	1667			
		115112	1754	1347			
		119020	1445	1026			
		125554	1050	582			
		131408	607	92			

Catalogue descriptions
四、样本说明

The performance of each type of fan at different speeds is represented by a set of curves.

The bold curves represent the performance of direct driven fan (the impeller is directly connected with the motor), and the letters a, b, c, etc. shall be added to the impeller diameter of type I and II for distinguishing.

The thin curves represent the fan with belt connection or variable frequency motor, the desired speed can be obtained by selecting the ratio of belt pulley diameter or frequency conversion adjustment, and the motors with 2, 4 and 6 poles are generally used.

The curves show the performance of the fan under standard conditions. If the working conditions are different from the standard conditions, the conversion shall be made according to the relevant formulas.

The shaft power curve shows the actual power consumption of the fan.

The sound pressure level curves represent the A sound level at fan outlet, and the values in the catalogue are the noise under the working conditions of the maximum efficiency.

Note: when ordering fans, please specify the installation place, indoor or outdoor, the fans used in outdoor shall be marked with positive pressure air supply or exhaust, and the junction box, facing the left or right side of the fan outlet.

每个型号风机由一簇曲线表示不同转速下的性能。

粗曲线代表风机为直联型（即叶轮与电机直接联接）时的性能，Ⅰ、Ⅱ型均应在叶轮直径后小写字母 a、b、c...来区分。

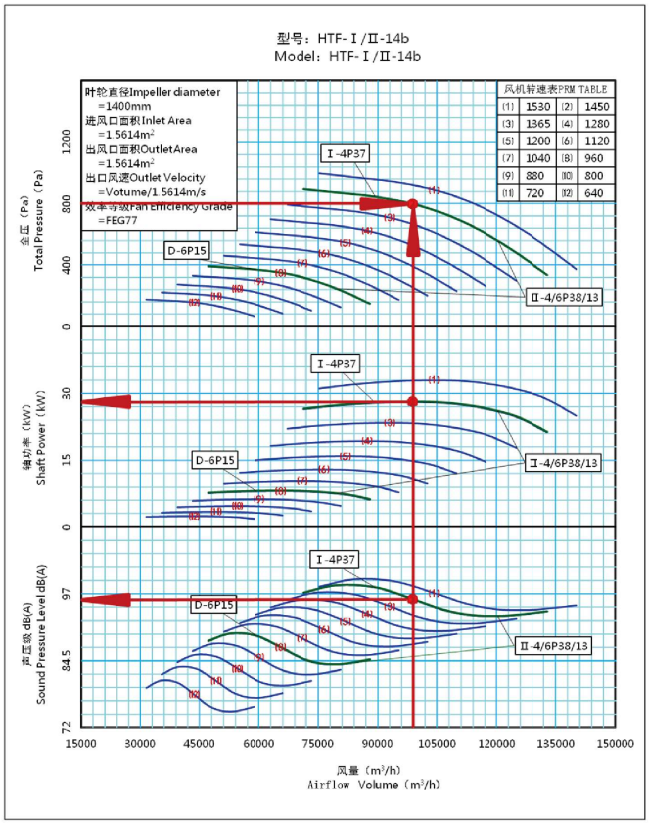
细曲线代表风机使用皮带连接或变频电机，通过选择皮带轮直径配比或变频调节来得到所需转速，而电机总是采用 2、4、6 极的。

曲线显示为风机在标准状态下的性能，当使用条件与标准状态有不同时应按有关公式换算。

轴功率曲线显示风机实际耗用的电能。

声压级曲线为风机出风口 A 声级，样本值为最高效率工况的噪声。

注：订货时请说明安装位置在室内或室外，室外风机注明正压送风或排风，接线盒位于面对出风口左侧或右侧。



Example of selecton: HTF-Ⅰ-14b (airflow volume 98826m³/h and pressure 799Pa)

a. make a vertical line from the given airflow volume (98826 m³/h) and a horizontal line from the given pressure (795 Pa), the intersection point of these two lines is the working condition point, and find the performance curve (the green bold line for direct drive type only) nearest to the working condition point, number (2) in the graph, so the rotational speed is 1450rpm refer to the PRM table.

b. make a horizontal line from the intersection poirt of the vertical line of airflow volume and the shaft power curve with the same nunber, and the intersection of this line and the shaft power coordinate is the actual power consumption, about 28.5kW, and a 37kW motor shall be selected according to this power.

c. make a horizontal line from the intersection point of the vertical line of airflow volume and the noise curve with the same number, and the intersection of this line and the noise coordinate is the A sound pressure level, about 96dB(A);

d. if the working condition point is below the curve selected, the performance is positive ceviation with margin, if the working condition point s above the curve selected, the performance is negative deviation. The deviation shall meet the requirements and if it is too large, the fan type shall be adjusted.

选型举例：HTF-Ⅰ-14b 风量 98826m³/h　压力 799Pa

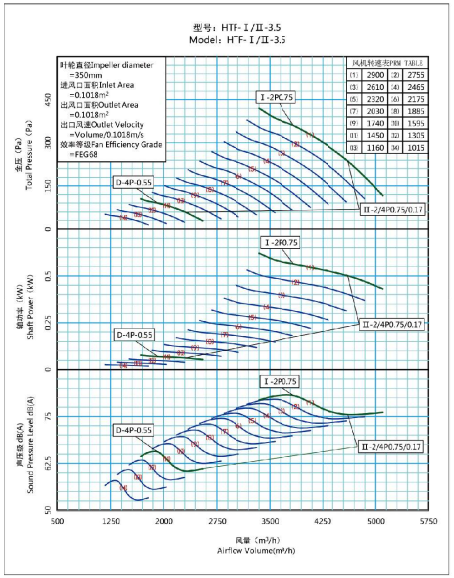
a、从风量坐标 98826m³/h 出发作垂直线，压力坐标 799Pa 出发作水平线，其交点即为“工作点”，寻找离该点最接近的性能曲线（直联型仅绿色加粗线），即图示编号（2），其转速对应转速表为 1450rpm；

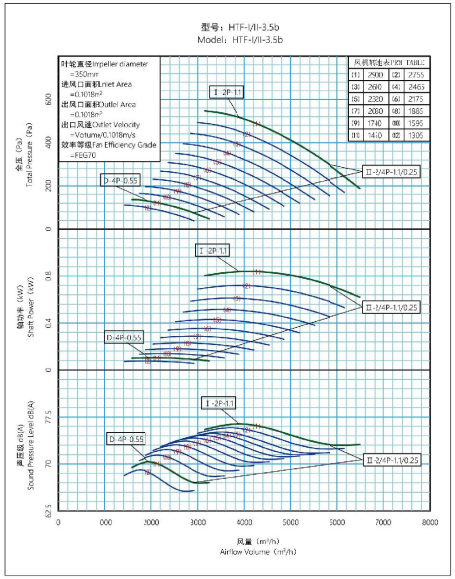
b、从风量垂直线与相同编号的轴功率曲线交点出发作水平线　交于轴功率坐标，约为 28.5kW 即为实需功耗，根据此功率应选择 37kW 电机；

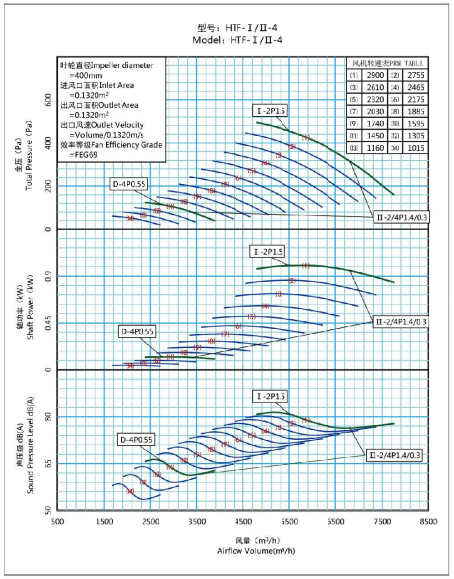
c、从风量垂直线与相同编号的噪声曲线交点出发作水平线，交于噪声坐标，约为 96dB(A)，即为 A 声压级；

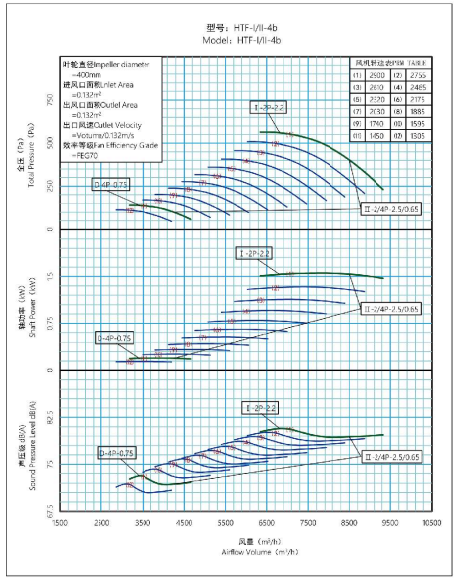
d、若“工作点”在选择曲线的下方，说明性能为正偏差有余量，在选择曲线的上方，说明性能为负偏差。偏差应符合要求，过大时应调整风机的型号，提高性价比。

Performance curves
五、产品性能曲线

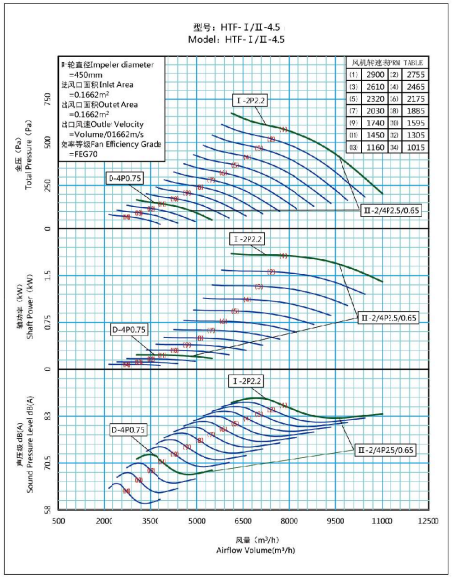




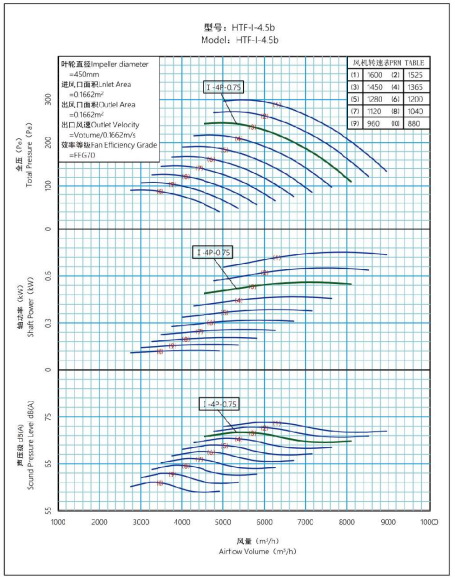




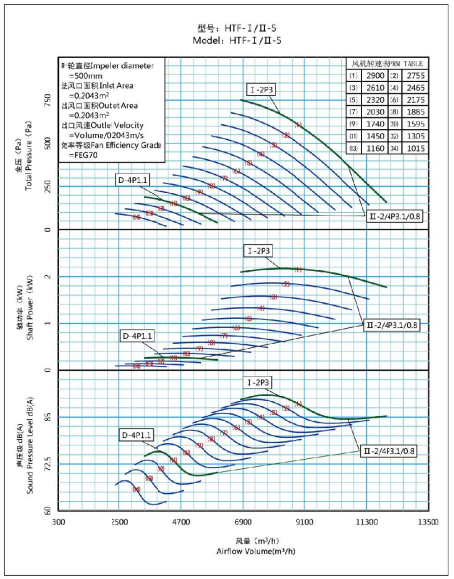
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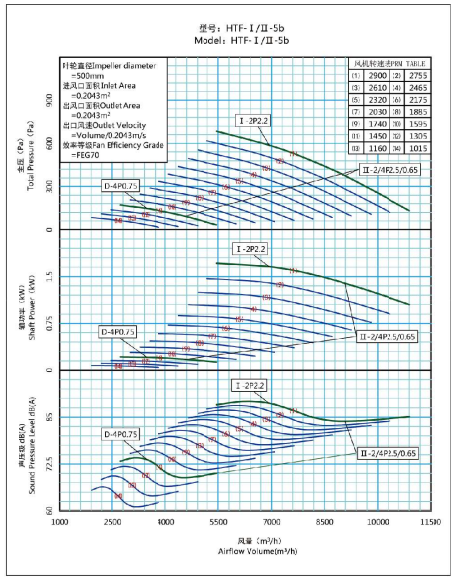
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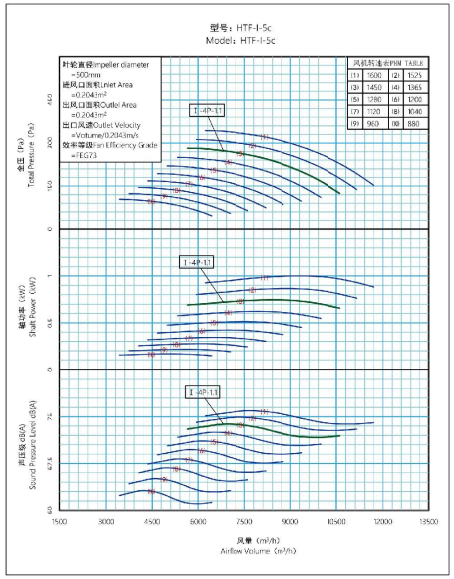
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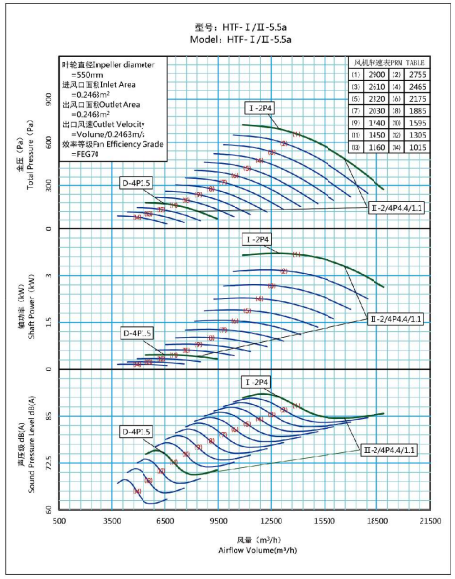
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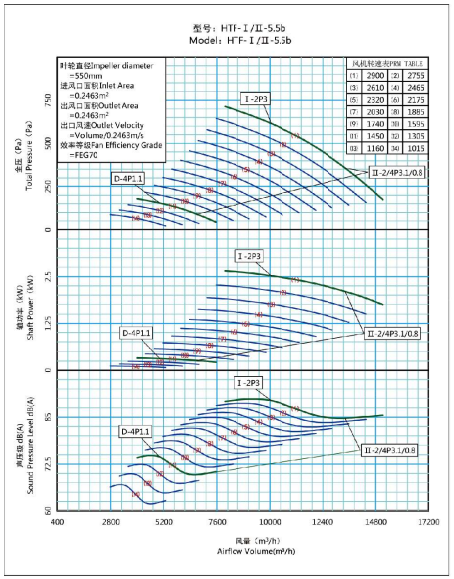
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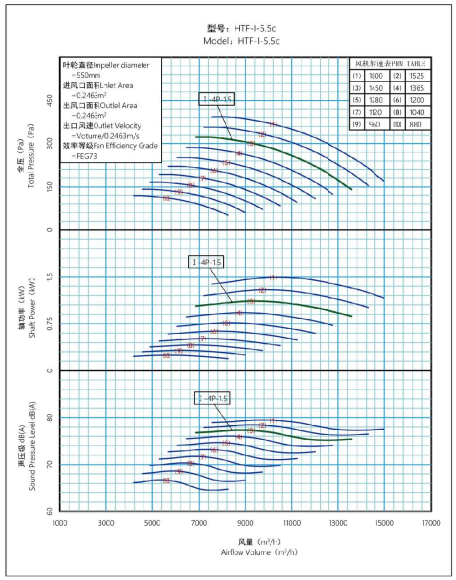
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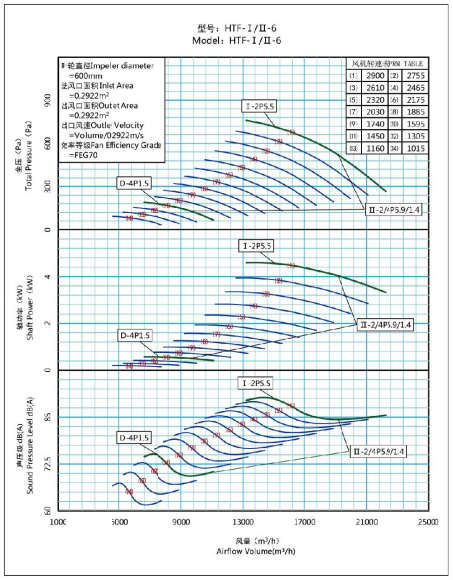
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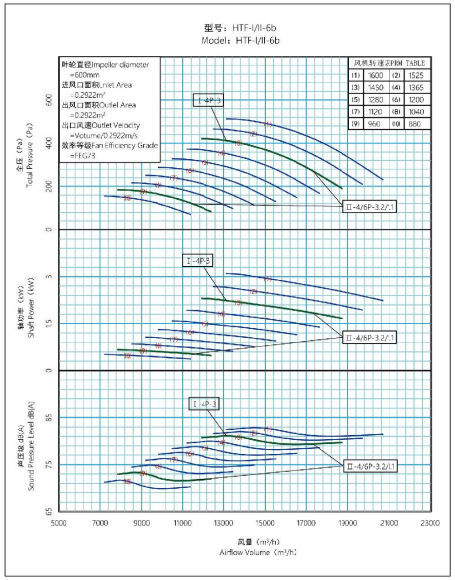
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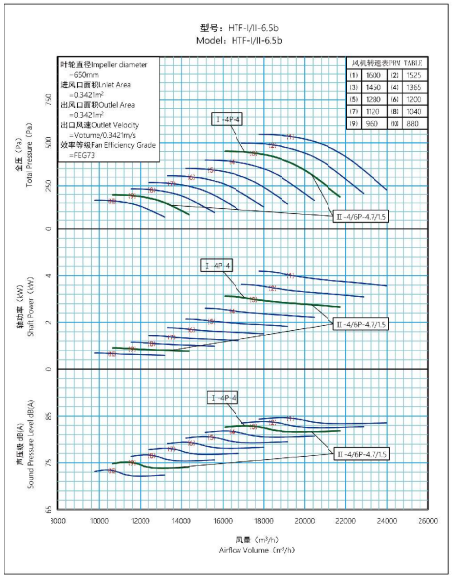
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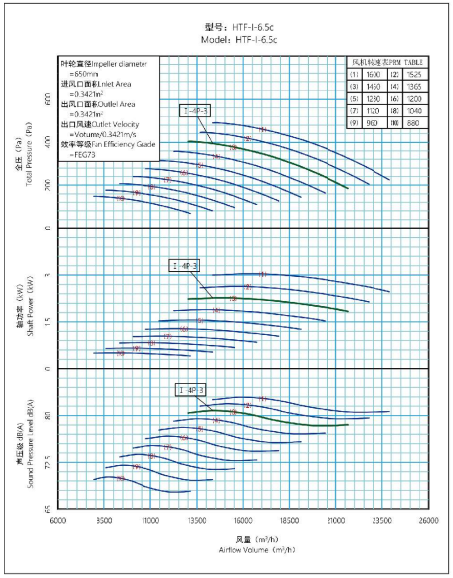
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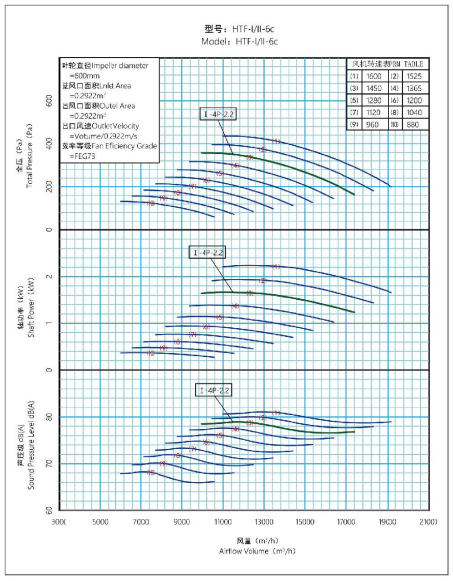
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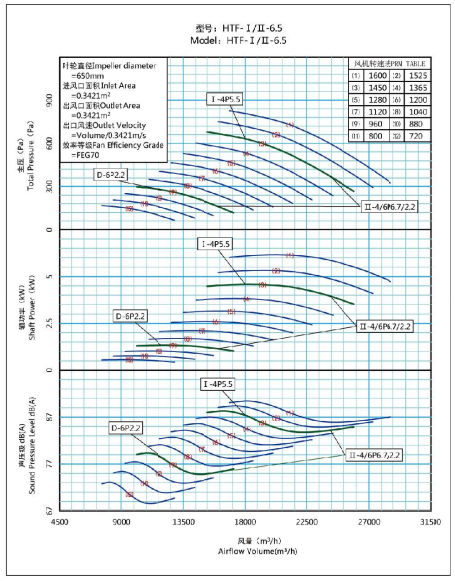
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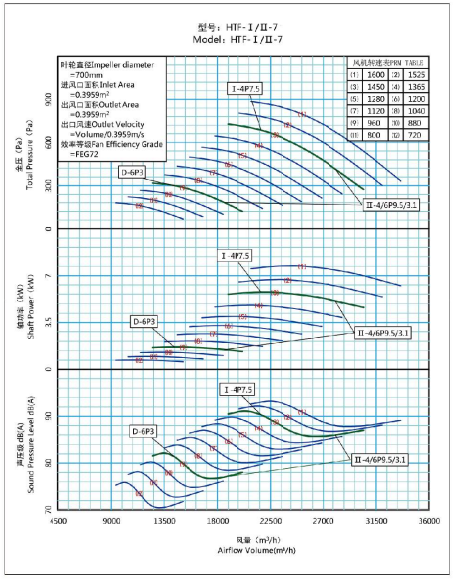
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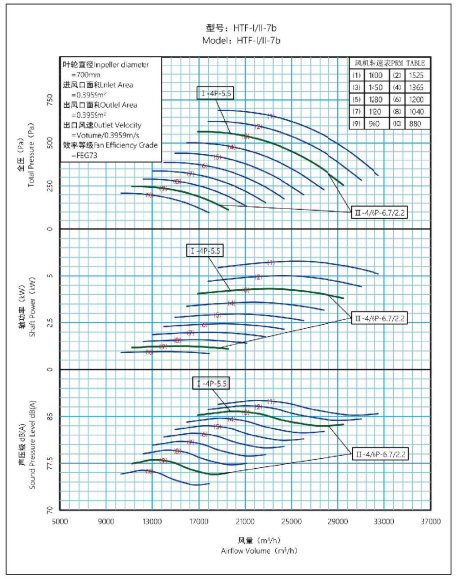
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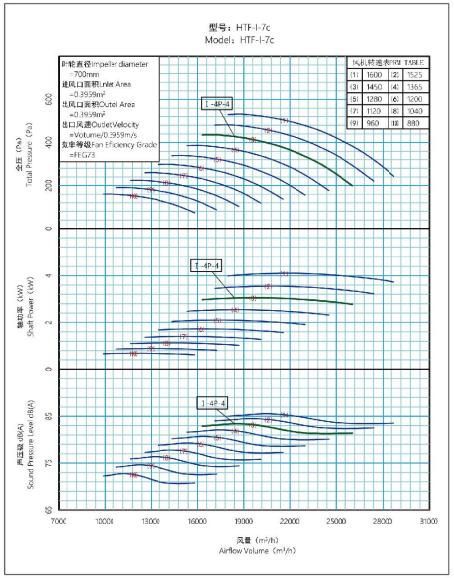
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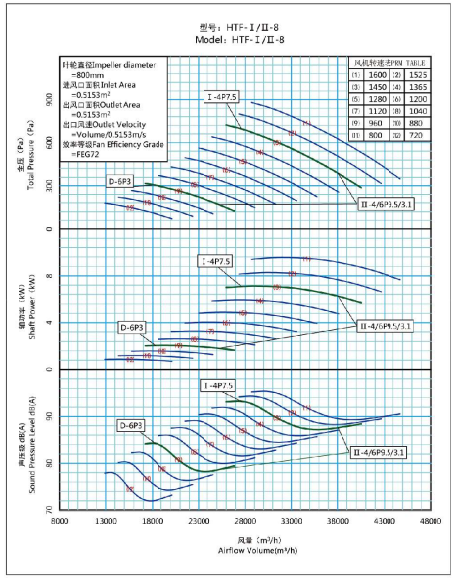
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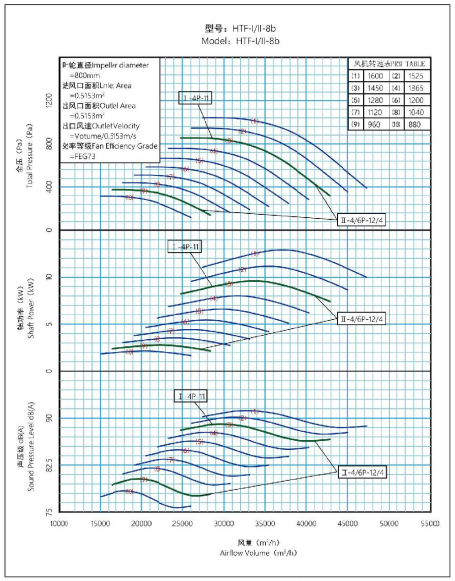
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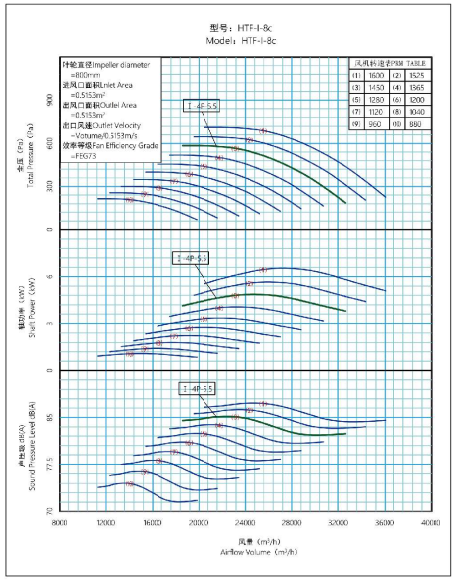
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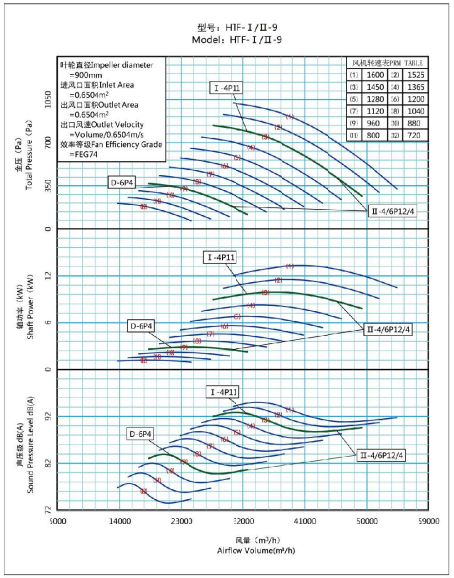
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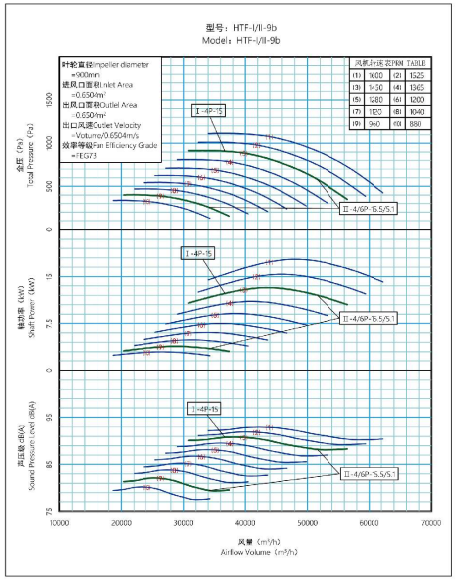
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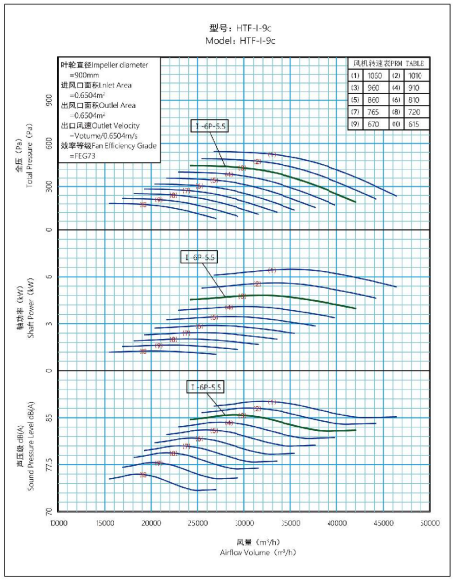
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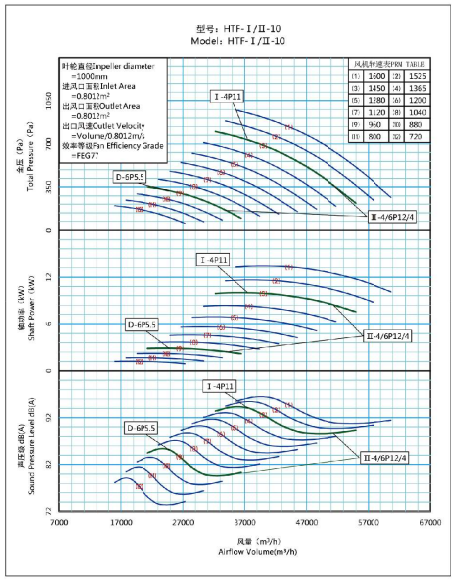
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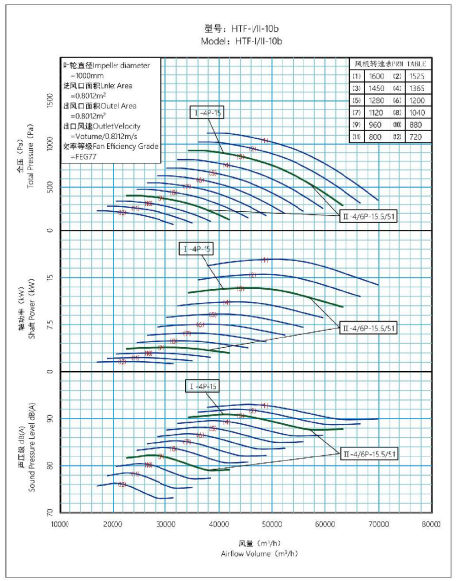
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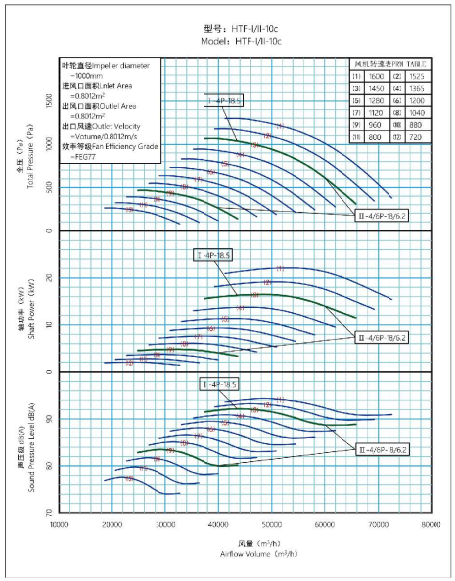
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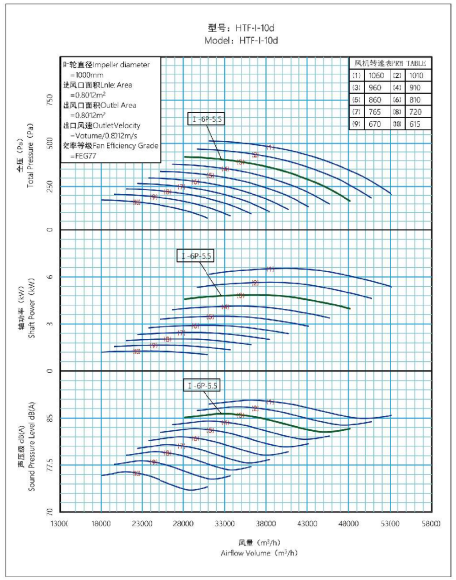
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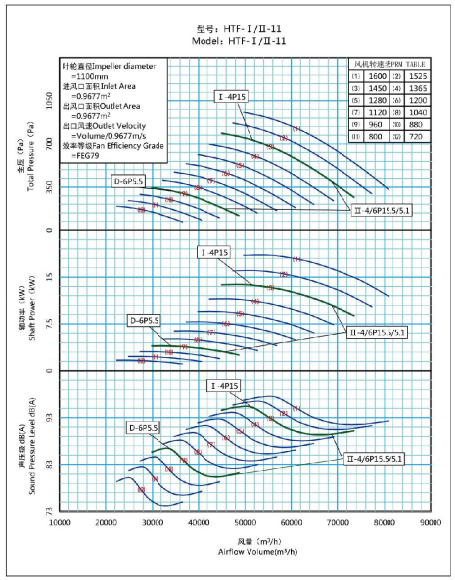
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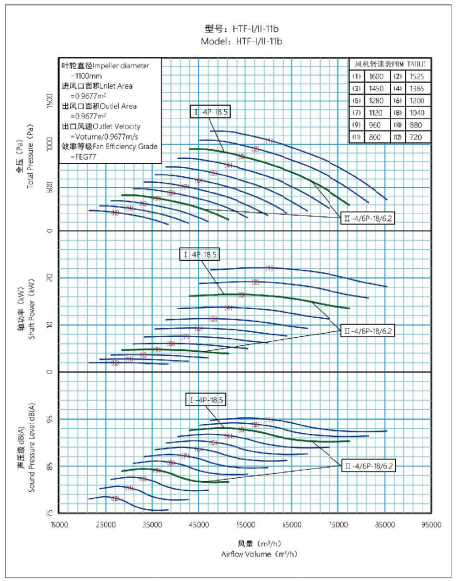
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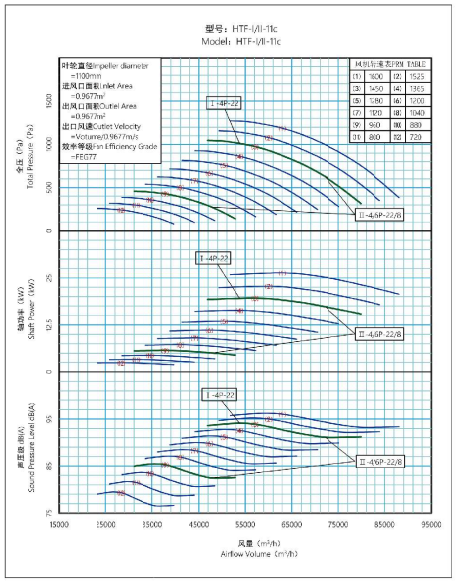
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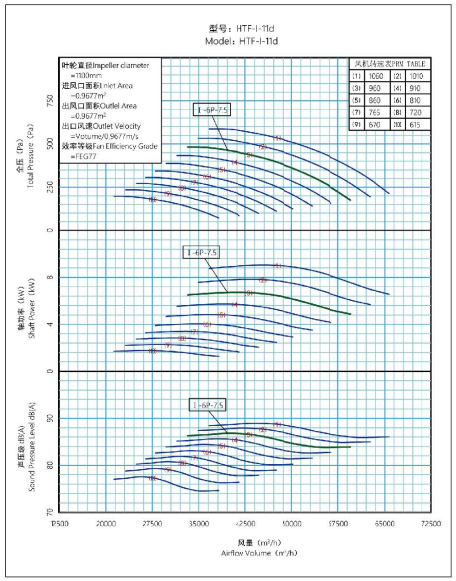
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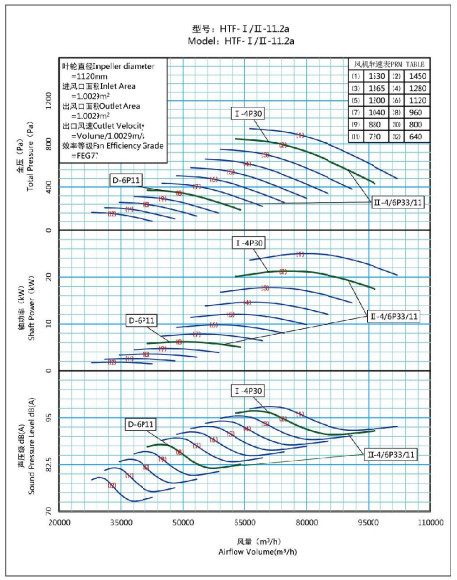
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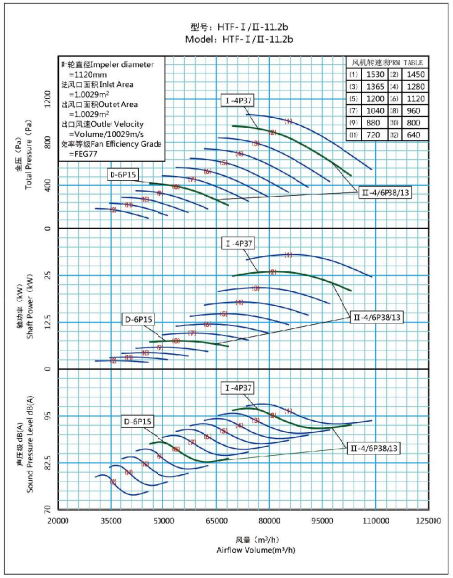
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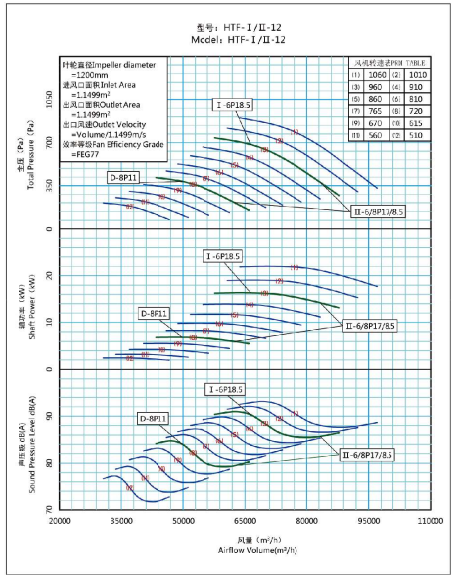
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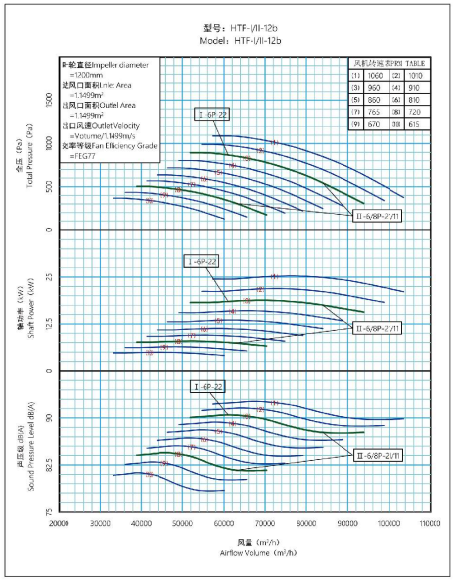
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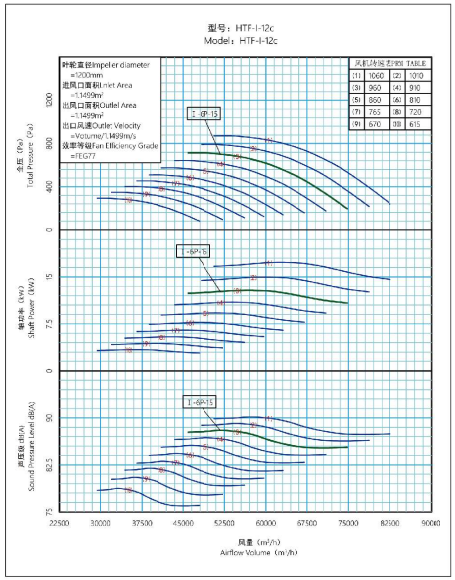
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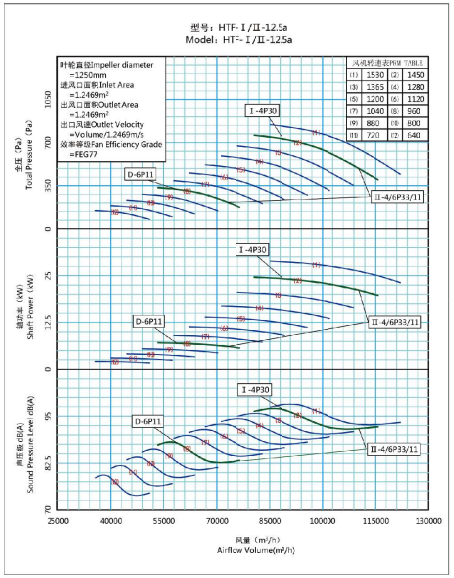
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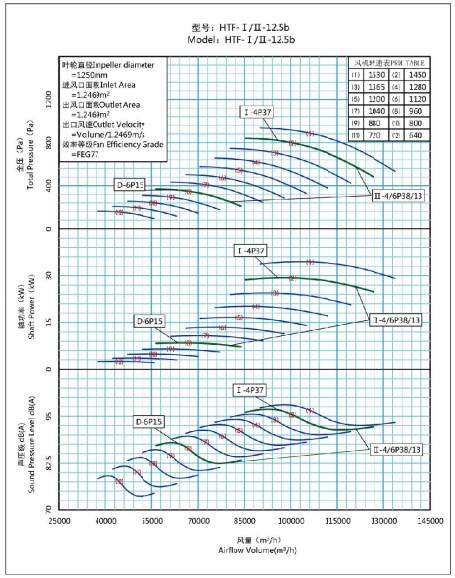
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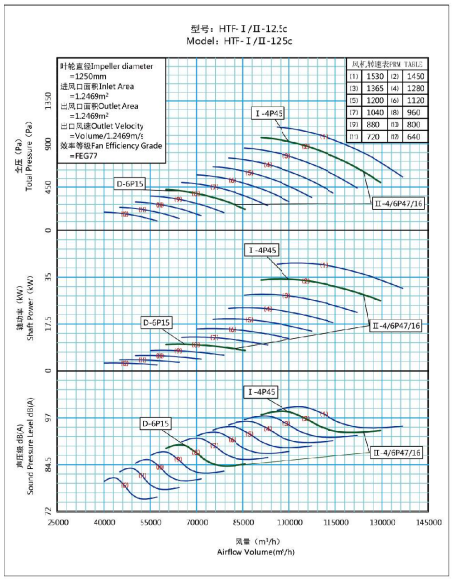
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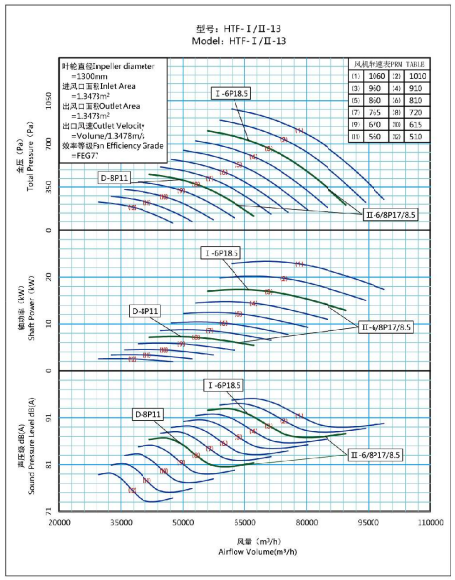
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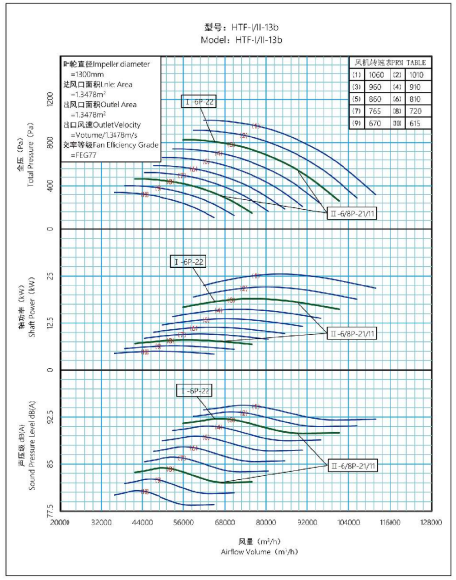
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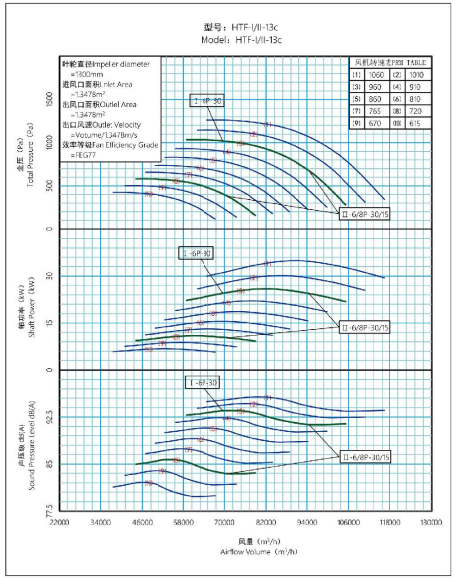
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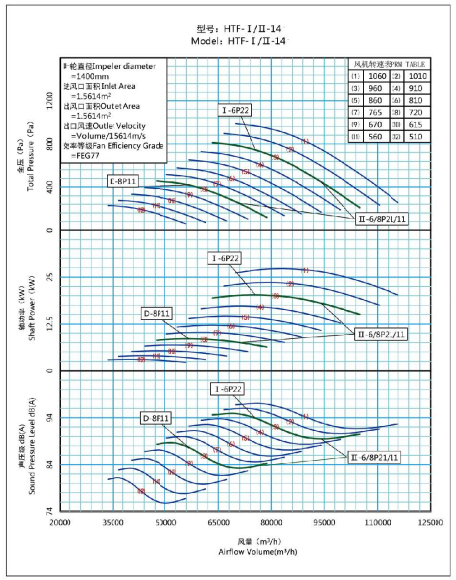
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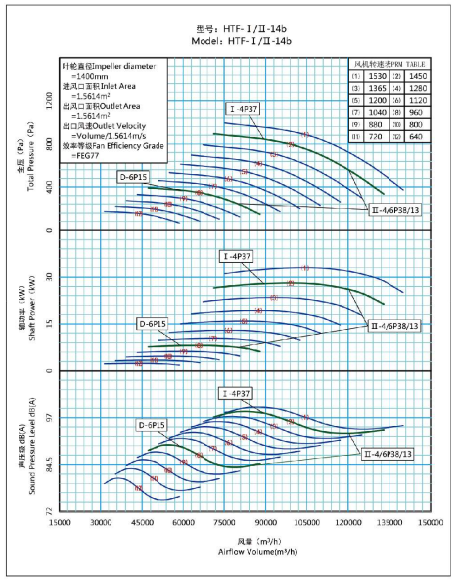
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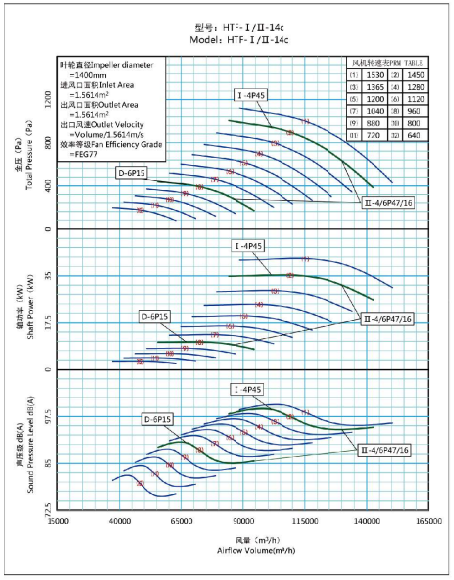
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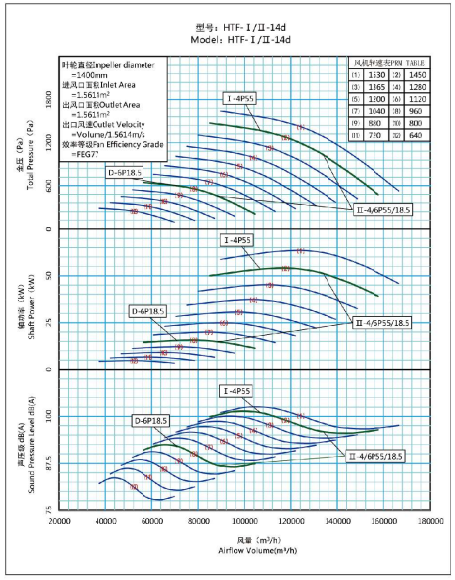
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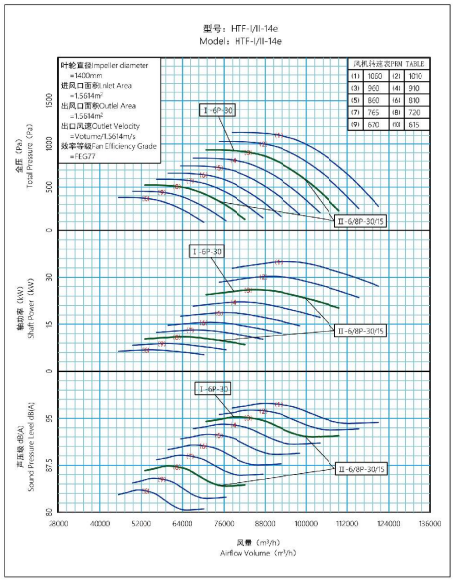
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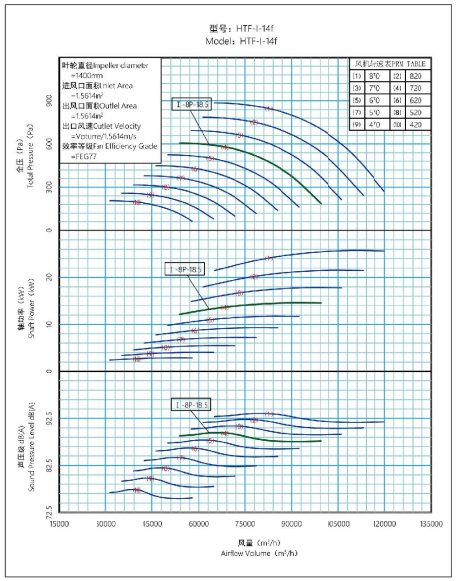
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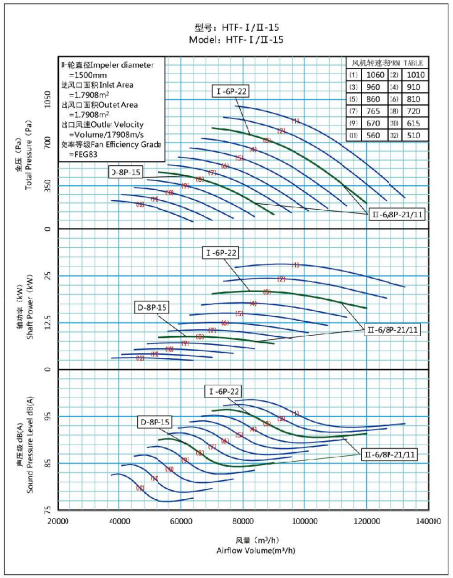
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Model：HTF-I/II-14e



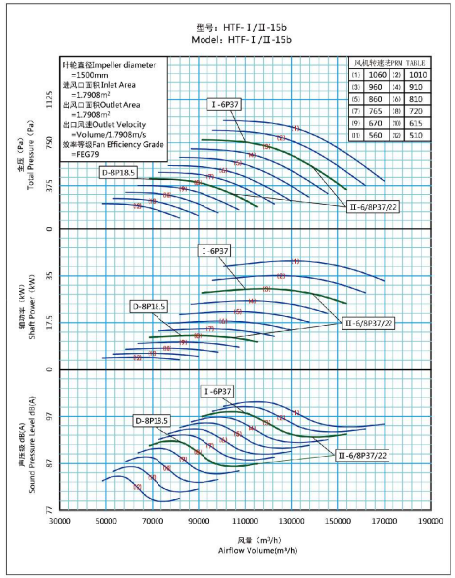
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Model：HTF-I-14f



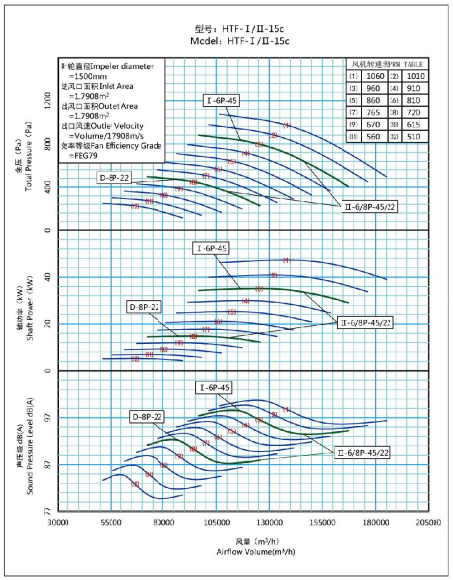
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Model：HTF-Ⅰ/Ⅱ-15



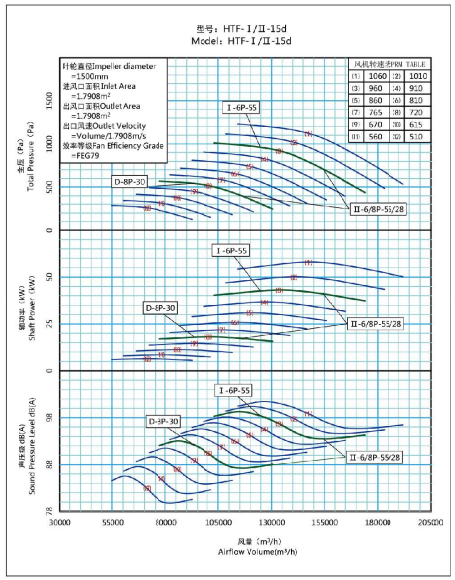
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Model：HTF-Ⅰ/Ⅱ-15b



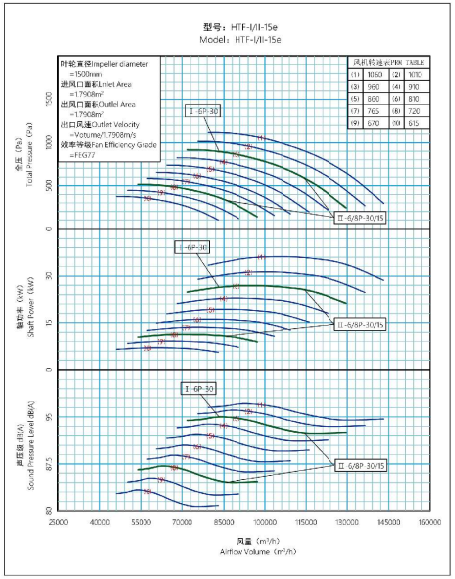
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Model：HTF-Ⅰ/Ⅱ-15c



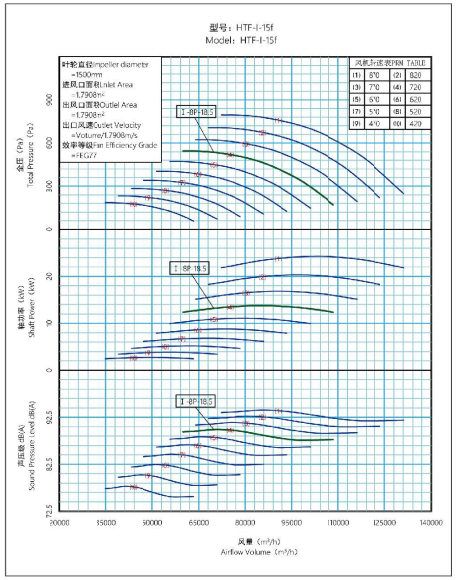
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Model：HTF-Ⅰ/Ⅱ-15d



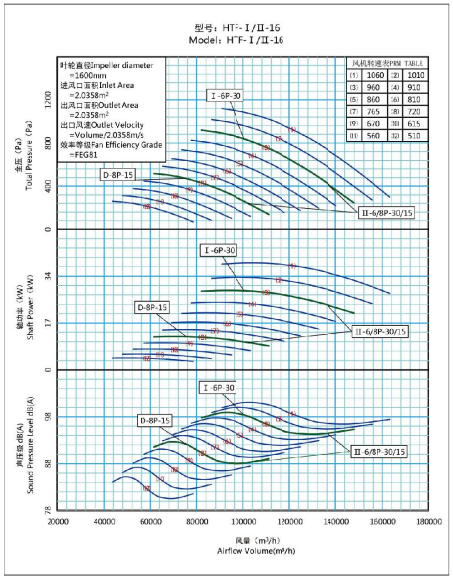
型号：HTF-Ⅰ/Ⅱ-15e
Model：HTF-Ⅰ/Ⅱ-15e



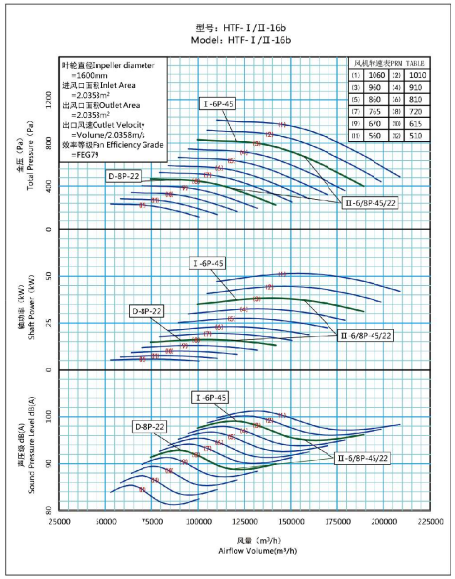
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Model：HTF-Ⅰ/Ⅱ-15f

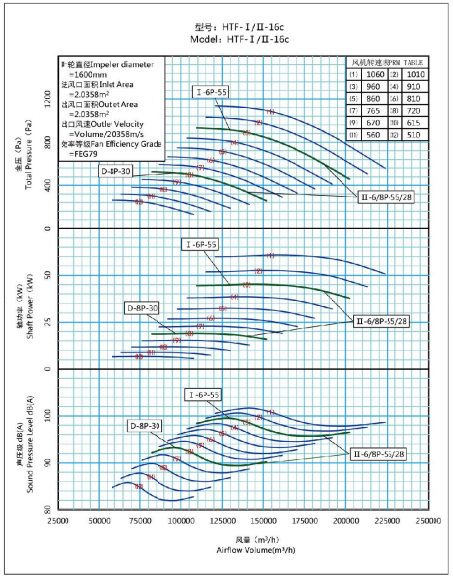


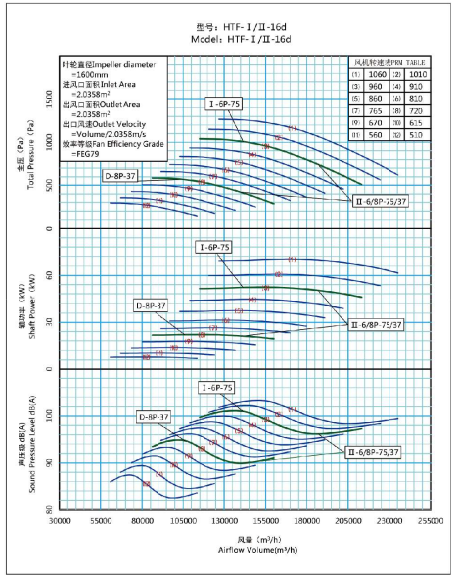
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Model：HTF-Ⅰ/Ⅱ-16

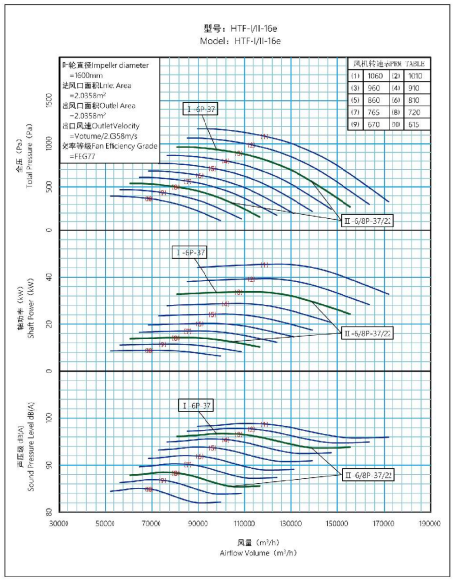


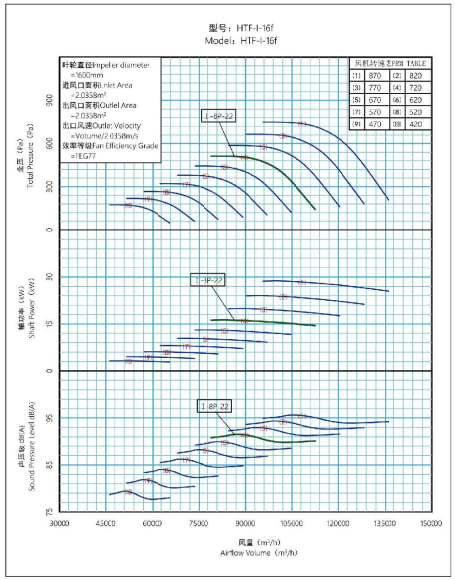
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Model：HTF-Ⅰ/Ⅱ-16b

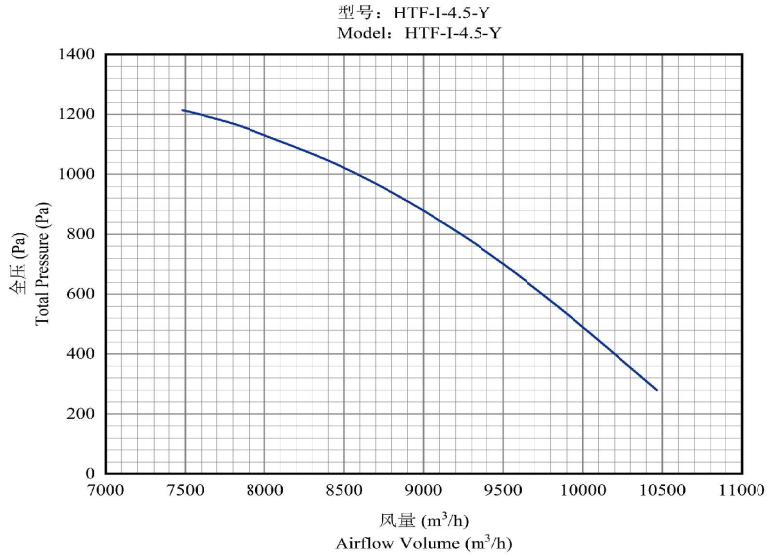


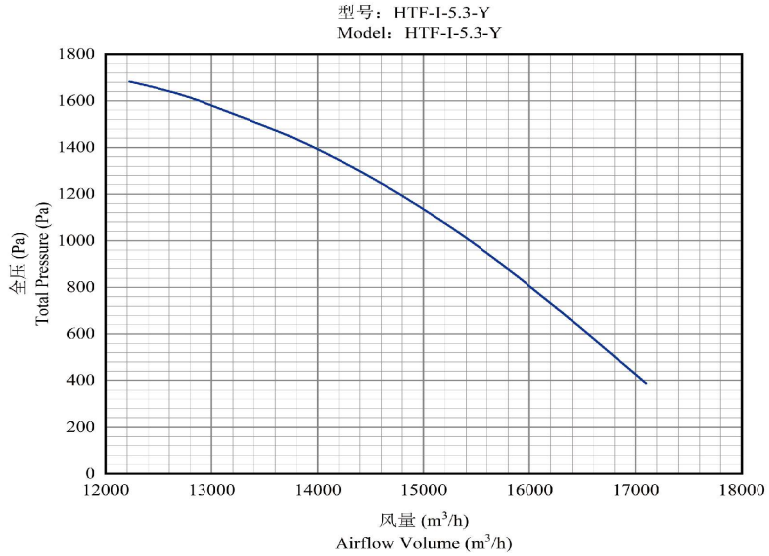

型号：HTF-Ⅰ/Ⅱ-16c
Model：HTF-Ⅰ/Ⅱ-16c
叶轮直径Impeller diameter =1600mm
进风口面积Inlet Area =2.0358m²
出风口面积Outlet Area =2.0358m²
出口风速Outle Velocity =Volume/20358m/s
效率等级Fan Efficiency Grade =FEG79
风机转速表RPM TABLE
Ⅰ-6P-55
D-4P-30
Ⅱ-6/8P-55/28
D-8P-30
D-8P-33
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 (dB(A) Sound Pressure Level (dB(A)
风量 (m³/h) Airflow Volume(m³/h)


型号：HTF-Ⅰ/Ⅱ-16d
Model：HTF-Ⅰ/Ⅱ-16d
叶轮直径Impeller diameter =1600mm
进风口面积Inlet Area =2.0358m²
出风口面积Outlet Area =2.0358m²
出口风速Outlet Velocity =Volume/2.0358m/s
效率等级Fan Efficiency Grade =FEG79
风机转速表RPM TABLE
Ⅰ-6P-75
D-8P-37
Ⅱ-6/8P-75/37
D-8P-33
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 (dB(A) Sound Pressure Level (dB(A)
风量 (m³/h) Airflow Volume(m³/h)

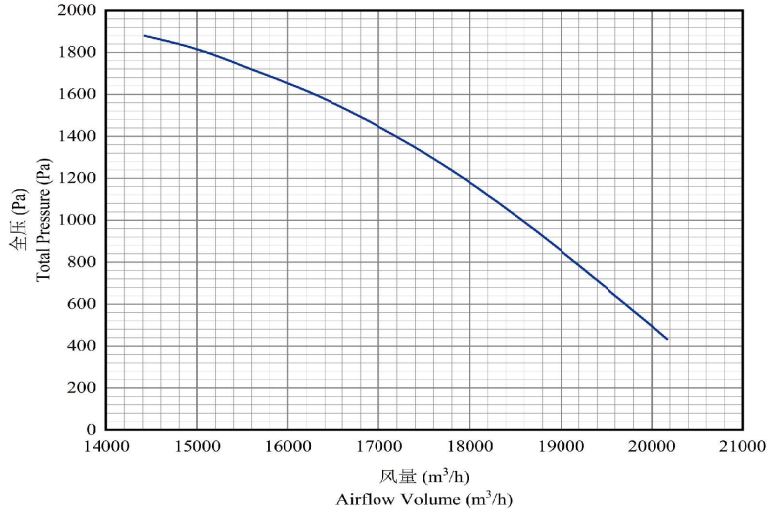

型号：HTF-Ⅰ/Ⅱ-16e
Model：HTF-Ⅰ/Ⅱ-16e
叶轮直径Impeller diameter =1600mm
进风口面积Inlet Area =2.0358m²
出风口面积Outlet Area =2.0358m²
出口风速OutlerVelocity =Volume/2.0358m/s
效率等级Fan Efficiency Grade =FEG77
风机转速表RPM TABLE
Ⅰ-6P-37
Ⅱ-6/8P-37/25
Ⅰ-6P-37
Ⅱ-6/8P-37/25
Ⅰ-6P-37
Ⅱ-6/8P-37/25
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 (dB(A) Sound Pressure Level (dB(A)
风量 (m³/h) Airflow Volume (m³/h)


型号：HTF-Ⅰ-16f
Model：HTF-Ⅰ-16f
叶轮直径Impeller diameter =1600mm
进风口面积Inlet Area =2.0358m²
出风口面积Outlet Area =2.0358m²
出口风速Outle Velocity =Volume/2.0358m/s
效率等级Fan Efficiency Grade =FEG77
风机转速表RPM TABLE
Ⅰ-8P-22
Ⅰ-8P-27
Ⅰ-8P-22
全压 (Pa) Total Pressure (Pa)
轴功率 (kW) Shaft Power (kW)
声压级 (dB(A) Sound Pressure Level (dB(A)
风量 (m³/h) Airflow Volume (m³/h)

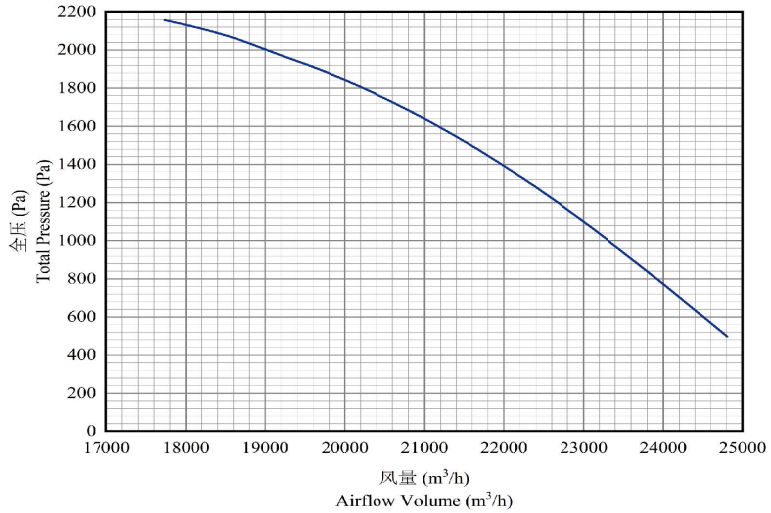

型号：HTF-I-4.5-Y
Model：HTF-I-4.5-Y
全压 (Pa) Total Pressure (Pa)
1400
1200
1000
800
600
400
200
0
7000
7500
8000
8500
9000
9500
10000
10500
11000
风量 (m³/h) Airflow Volume (m³/h)


型号：HTF-I-5.3-Y
Model：HTF-I-5.3-Y
全压 (Pa) Total Pressure (Pa)
1800
1600
1400
1200
1000
800
600
400
200
0
12000
13000
14000
15000
16000
17000
18000
风量 (m³/h) Airflow Volume (m³/h)

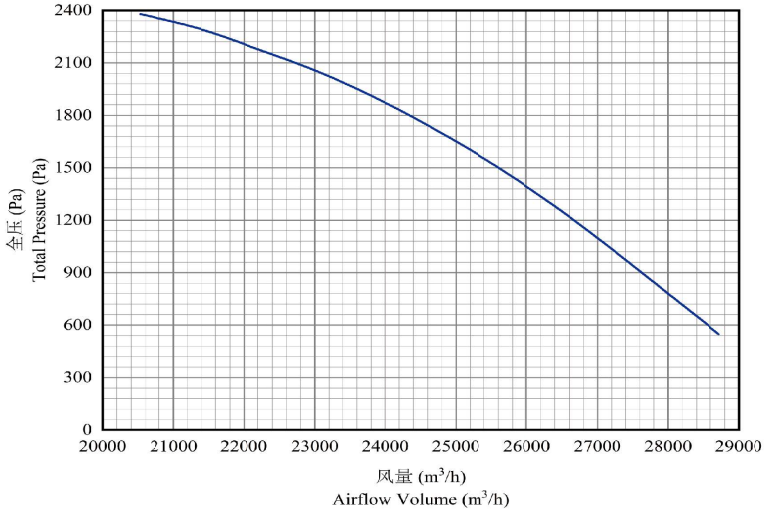
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Model：HTF-I-5.6-Y



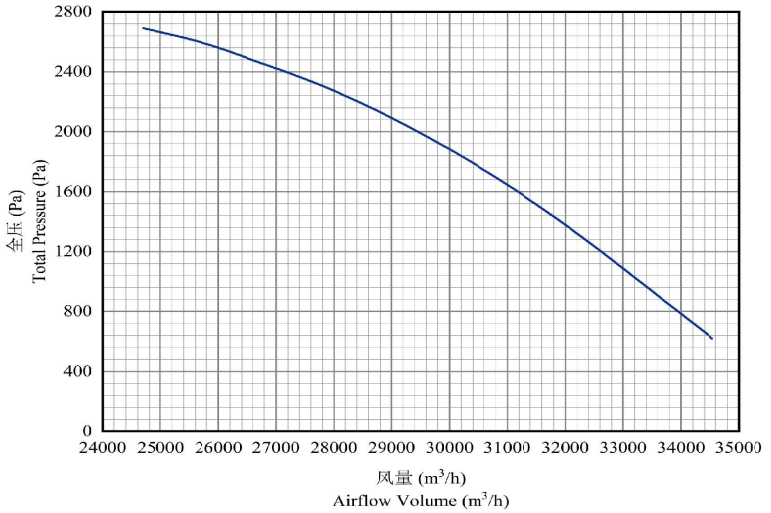
型号：HTF-I-6-Y
Model：HTF-I-6-Y



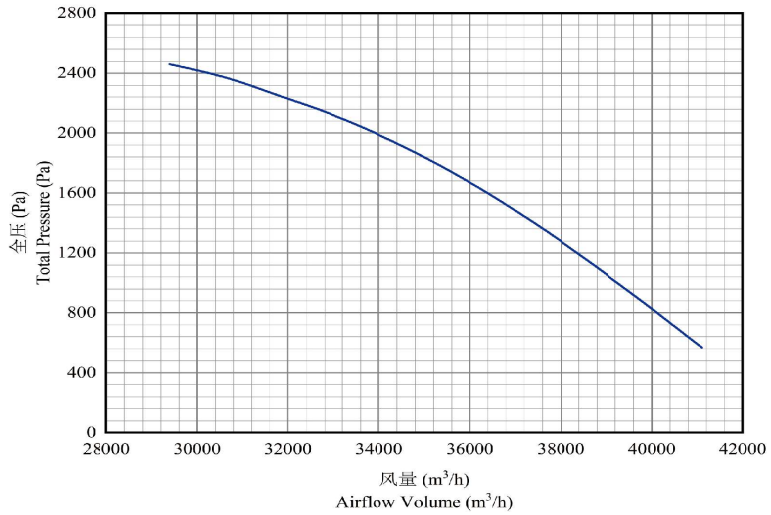
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Model：HTF-I-6.3-Y



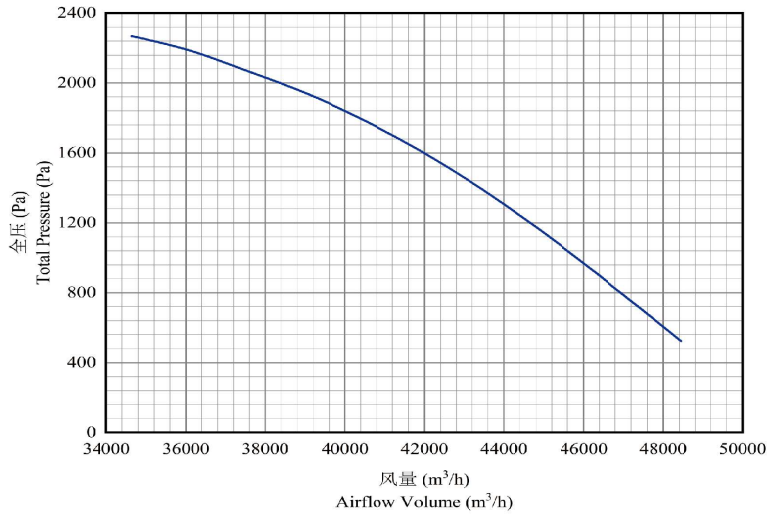
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Model：HTF-I-6.7-Y



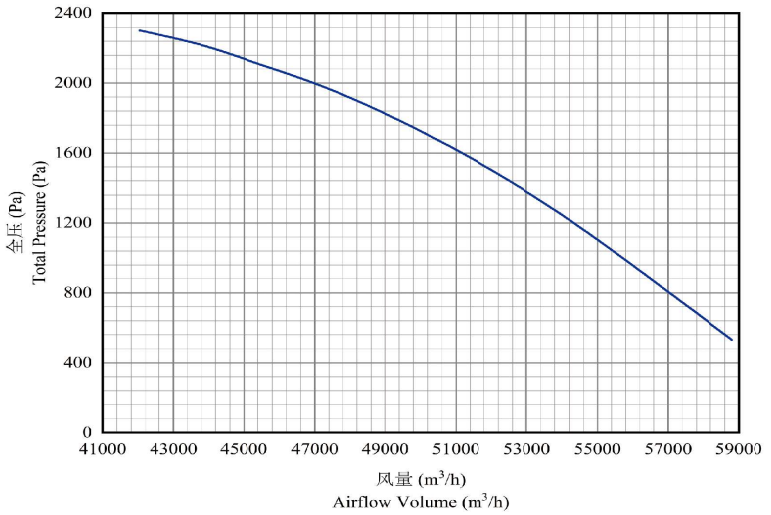
型号：HTF-I-7.1-Y
Model：HTF-I-7.1-Y



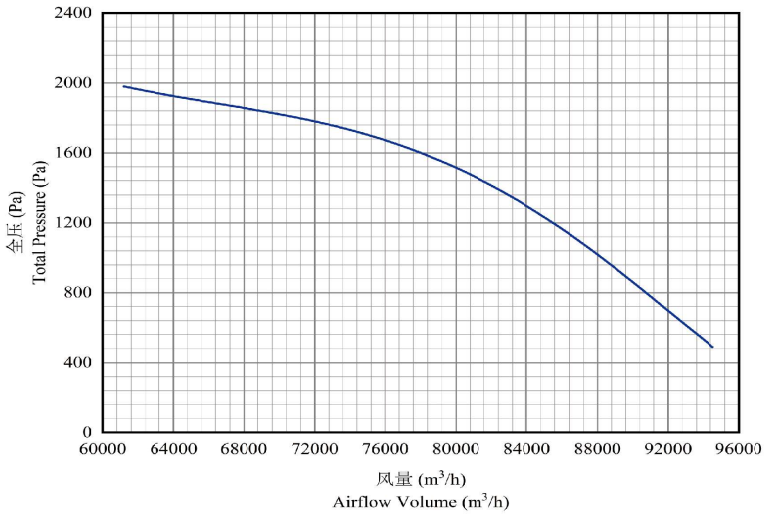
型号：HTF-I-7.5-Y
Model：HTF-I-7.5-Y



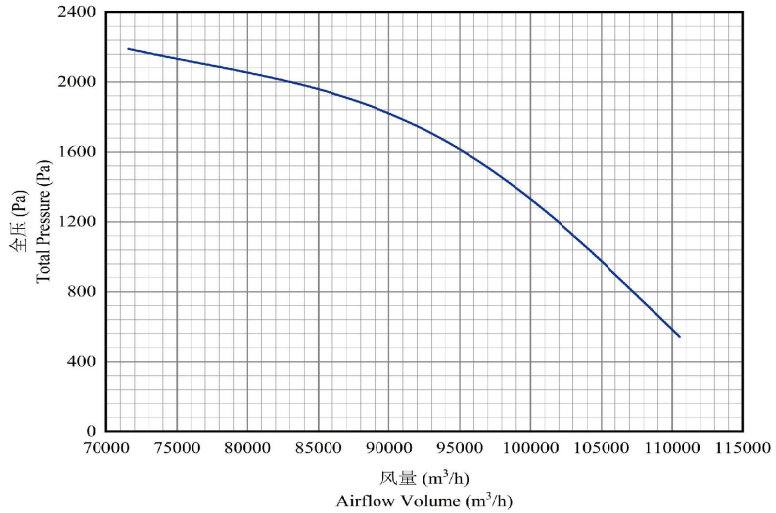
型号：HTF-I-8-Y
Model：HTF-I-8-Y



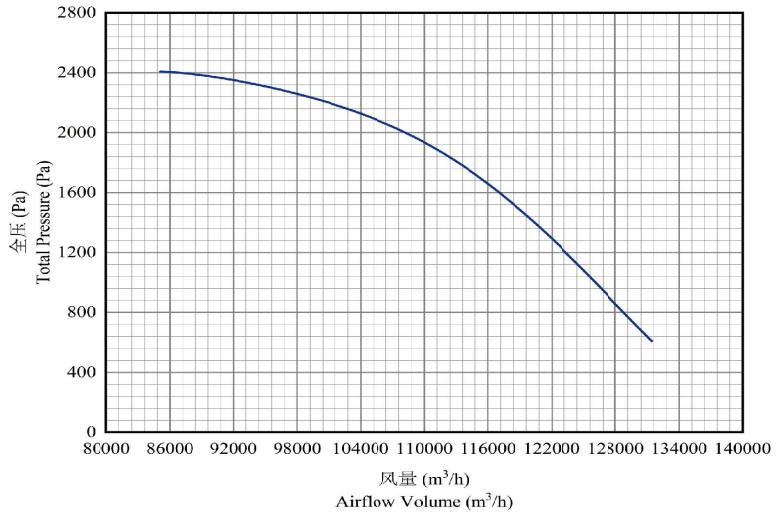
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Model：HTF-I-11.2-Y



型号：HTF-I-11.8-Y
Model：HTF-I-11.8-Y

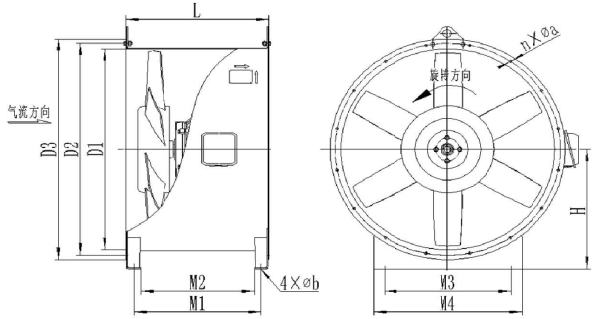


型号：HTF-I-12.5-Y
Model：HTF-I-12.5-Y



Outline Dimension
六、外形尺寸图表

Outline dimension drawing of HTF fan HTF外形尺寸图



Outline dimensions of HTF-I HTF-Ⅰ外形尺寸表

型号 Model	电机 Motor	D1	D2	D3	M1	M2	M3	M4	L	H	n×φa	4×φb	kg
3.5	2P0.75	360	400	430	295	255	250	300	350	235	8×φ8.5	4×φ13	36
3.5b	2P1.1	360	400	430	295	255	250	300	350	235	8×φ8.5	4×φ13	40
4	2P1.5	410	455	490	340	290	300	350	400	260	8×φ10.5	4×φ13	46
4b	2P2.2	410	455	490	340	290	300	350	400	260	8×φ10.5	4×φ13	52
4.5	2P2.2	460	505	540	340	290	350	400	400	290	8×φ10.5	4×φ13	58
4.5b	4P0.75	460	505	540	340	290	350	400	400	290	8×φ10.5	4×φ13	48
5	2P3	510	555	590	410	360	350	400	470	315	8×φ10.5	4×φ13	70
5b	2P2.2	510	555	590	340	290	350	400	400	315	8×φ10.5	4×φ13	62
5c	4P1.1	510	555	590	340	290	350	400	400	315	8×φ10.5	4×φ13	63
5.5	2P4	560	605	640	410	360	350	450	470	350	8×φ10.5	4×φ15	83
5.5b	2P3	560	605	640	410	360	350	450	470	350	8×φ10.5	4×φ15	77
5.5c	4P1.5	560	605	640	410	360	350	450	470	350	8×φ10.5	4×φ15	68
6	2P5.5	610	655	690	480	430	400	500	540	375	12×φ10.5	4×φ15	114
6b	4P3	610	655	690	410	360	400	500	470	375	12×φ10.5	4×φ15	90
6c	4P2.2	610	655	690	410	360	400	500	470	375	12×φ10.5	4×φ15	86
6.5	4P5.5	660	710	750	470	420	400	500	530	400	12×φ10.5	4×φ15	124
6.5b	4P4	660	710	750	470	420	400	500	530	400	12×φ10.5	4×φ15	106
6.5c	4P3	660	710	750	400	350	400	500	460	400	12×φ10.5	4×φ15	98
7	4P7.5	710	760	800	530	480	500	600	590	425	12×φ10.5	4×φ15	151
7b	4P5.5	710	760	800	530	480	500	600	590	425	12×φ10.5	4×φ15	135
7c	4P4	710	760	800	470	420	500	600	530	425	12×φ10.5	4×φ15	108
8	4P7.5	810	860	900	530	480	500	600	590	485	12×φ10.5	4×φ15	156
8b	4P11	810	860	900	625	565	500	600	700	485	12×φ10.5	4×φ15	220
8c	4P5.5	810	860	900	530	480	500	600	590	485	12×φ10.5	4×φ15	148
9	4P11	910	965	1010	625	565	600	700	700	545	16×φ12.5	4×φ19	235
9b	4P15	910	965	1010	625	565	600	700	700	545	16×φ12.5	4×φ19	290

Outline dimensions of HTF-I HTF-Ⅰ外形尺寸表

型号 Model	电机 Motor	D1	D2	D3	M1	M2	M3	M4	L	H	n×Φa	4×Φb	kg
9c	6P5.5	910	965	1010	625	565	600	700	700	545	16×Φ12.5	4×Φ19	225
10	4P11	1010	1065	1110	625	565	600	700	700	500	16×Φ12.5	4×Φ19	250
10b	4P15	1010	1065	1110	625	565	600	700	700	500	16×Φ12.5	4×Φ19	320
10c	4P18.5	1010	1065	1110	685	625	600	700	760	500	16×Φ12.5	4×Φ19	350
10d	6P5.5	1010	1065	1110	625	565	600	700	700	500	16×Φ12.5	4×Φ19	265
11	4P15	1110	1165	1210	685	625	700	800	760	550	16×Φ12.5	4×Φ19	305
11b	4P18.5	1110	1165	1210	685	625	700	800	760	550	16×Φ12.5	4×Φ19	370
11c	4P22	1110	1165	1210	765	705	700	800	840	550	16×Φ12.5	4×Φ19	410
11d	6P7.5	1110	1165	1210	685	625	700	800	760	550	16×Φ12.5	4×Φ19	305
11.2a	4P30	1130	1185	1230	835	775	700	800	910	560	16×Φ12.5	4×Φ19	502
11.2b	4P37	1130	1185	1230	915	855	700	800	990	560	16×Φ12.5	4×Φ19	569
12	6P18.5	1210	1270	1320	800	720	800	900	900	700	20×Φ12.5	4×Φ19	517
12b	6P22	1210	1270	1320	800	720	800	900	900	700	20×Φ12.5	4×Φ19	520
12c	6P15	1210	1270	1320	800	720	800	900	900	700	20×Φ12.5	4×Φ19	415
12.5a	4P30	1260	1320	1370	800	720	800	900	900	725	20×Φ12.5	4×Φ19	545
12.5b	4P37	1260	1320	1370	880	800	800	900	980	725	20×Φ12.5	4×Φ19	618
12.5c	4P45	1260	1320	1370	880	800	800	900	980	725	20×Φ12.5	4×Φ19	726
13	6P18.5	1310	1370	1420	800	720	850	950	900	750	20×Φ12.5	4×Φ21	562
13b	6P22	1310	1370	1420	800	720	850	950	900	750	20×Φ12.5	4×Φ21	580
13c	6P30	1310	1370	1420	880	800	850	950	980	750	20×Φ12.5	4×Φ21	625
14	6P22	1410	1470	1520	800	720	900	1000	900	800	20×Φ12.5	4×Φ21	588
14b	4P37	1410	1470	1520	880	800	900	1000	980	800	20×Φ12.5	4×Φ21	715
14c	4P45	1410	1470	1520	880	800	900	1000	980	800	20×Φ12.5	4×Φ21	834
14d	4P55	1410	1470	1520	960	880	900	1000	1060	800	20×Φ12.5	4×Φ21	928
14e	6P30	1410	1470	1520	880	800	900	1000	980	800	20×Φ12.5	4×Φ21	650
14f	6P30	1410	1470	1520	880	800	900	1000	980	800	20×Φ12.5	4×Φ21	650
15	6P22	1510	1575	1630	790	710	1000	1100	890	850	20×Φ14.5	4×Φ21	616
15b	6P37	1510	1575	1630	950	870	1000	1100	1050	850	20×Φ14.5	4×Φ21	914
15c	6P45	1510	1575	1630	1070	990	1000	1100	1170	850	20×Φ14.5	4×Φ21	1050
15d	6P55	1510	1575	1630	1070	990	1000	1100	1170	850	20×Φ14.5	4×Φ21	1180
15e	6P30	1510	1575	1630	870	790	1000	1100	970	850	20×Φ14.5	4×Φ21	680
15f	8P18.5	1510	1575	1630	870	790	1000	1100	970	850	20×Φ14.5	4×Φ21	595
16	6P30	1610	1675	1730	870	790	1050	1150	970	900	20×Φ14.5	4×Φ21	726
16b	6P45	1610	1675	1730	1070	990	1050	1150	1170	900	20×Φ14.5	4×Φ21	1096
16c	6P55	1610	1675	1730	1070	990	1050	1150	1170	900	20×Φ14.5	4×Φ21	1232
16d	6P75	1610	1675	1730	1200	1120	1050	1150	1300	900	20×Φ14.5	4×Φ21	1673
16e	6P37	1610	1675	1730	950	870	1050	1150	1050	900	20×Φ14.5	4×Φ21	937
16f	8P22	1610	1675	1730	870	790	1050	1150	970	900	20×Φ14.5	4×Φ21	720

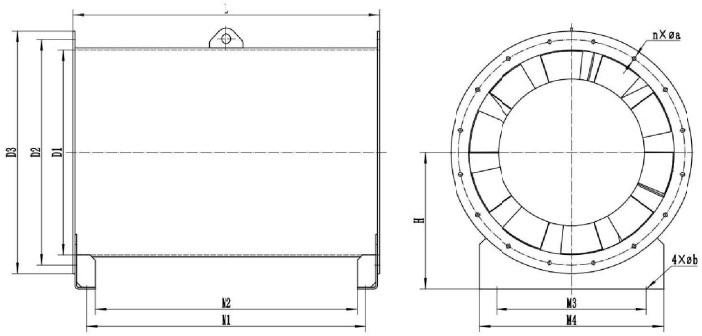
Outline dimensions of HTF-II HTF-Ⅱ外形尺寸表

型号 Model	电机 Motor	D1	D2	D3	M1	M2	M3	M4	L	H	n×Φa	4×Φb	kg
3.5	2/4P0.75/0.17	360	400	430	295	255	250	300	350	235	8×Φ8.5	4×Φ13	36
3.5b	2/4P1.1/0.25	360	400	430	340	290	250	300	400	235	8×Φ8.5	4×Φ13	41
4	2/4P1.4/0.3	410	455	490	340	290	300	350	400	260	8×Φ10.5	4×Φ13	48
4b	2/4P2.5/0.65	410	455	490	410	360	300	350	470	260	8×Φ10.5	4×Φ13	60
4.5	2/4P2.5/0.65	460	505	540	410	360	350	400	470	290	8×Φ10.5	4×Φ13	66
5	2/4P3.1/0.8	510	555	590	410	360	350	400	470	315	8×Φ10.5	4×Φ13	72
5b	2/4P2.5/0.65	510	555	590	410	360	350	400	470	315	8×Φ10.5	4×Φ13	72
5.5	2/4P4.4/1.1	560	605	640	410	360	350	450	470	350	8×Φ10.5	4×Φ15	83
5.5b	2/4P3.1/0.8	560	605	640	410	360	350	450	470	350	8×Φ10.5	4×Φ15	79
6	2/4P5.9/1.4	610	655	690	480	430	400	500	540	375	12×Φ10.5	4×Φ15	118
6b	4/6P3.2/1.1	610	655	690	410	360	400	500	470	375	12×Φ10.5	4×Φ15	102
6.5	4/6P6.7/2.2	660	710	750	530	480	400	500	590	400	12×Φ10.5	4×Φ15	141
6.5b	4/6P4.7/1.5	660	710	750	470	420	400	500	530	400	12×Φ10.5	4×Φ15	123
7	4/6P9.5/3.1	710	760	800	650	600	500	600	710	425	12×Φ10.5	4×Φ15	211
7b	4/6P6.7/2.2	710	760	800	530	480	500	600	590	425	12×Φ10.5	4×Φ15	150
8	4/6P9.5/3.1	810	860	900	650	600	500	600	710	485	12×Φ10.5	4×Φ15	215
8b	4/6P12/4	810	860	900	695	635	500	600	770	485	12×Φ10.5	4×Φ15	245
9	4/6P12/4	910	965	1010	685	625	600	700	760	545	16×Φ12.5	4×Φ19	261
9b	4/6P15.5/5.1	910	965	1010	685	625	600	700	760	545	16×Φ12.5	4×Φ19	323
10	4/6P12/4	1010	1065	1110	685	625	600	700	760	600	16×Φ12.5	4×Φ19	276
10b	4/6P15.5/5.1	1010	1065	1110	765	705	600	700	840	600	16×Φ12.5	4×Φ19	325
10c	4/6P18/6.2	1010	1065	1110	765	705	600	700	840	600	16×Φ12.5	4×Φ19	365
11	4/6P15.5/5.1	1110	1165	1210	765	705	700	800	840	650	16×Φ12.5	4×Φ19	342
11b	4/6P18/6.2	1110	1165	1210	765	705	700	800	840	650	16×Φ12.5	4×Φ19	380
11c	4/6P22/8	1110	1165	1210	835	775	700	800	910	650	16×Φ12.5	4×Φ19	450
11.2a	4/6P33/11	1130	1185	1230	915	855	700	800	990	660	16×Φ12.5	4×Φ19	561
11.2b	4/6P38/13	1130	1185	1230	915	855	700	800	990	660	16×Φ12.5	4×Φ19	606
12	6/8P17/8.5	1210	1270	1320	800	720	800	900	900	700	20×Φ12.5	4×Φ19	517
12b	6/8P21/11	1210	1270	1320	800	720	800	900	900	700	20×Φ12.5	4×Φ19	525
12.5a	4/6P33/11	1260	1320	1370	880	800	800	900	980	725	20×Φ12.5	4×Φ19	605
12.5b	4/6P38/13	1260	1320	1370	880	800	800	900	980	725	20×Φ12.5	4×Φ19	664
12.5c	4/6P47/16	1260	1320	1370	960	880	800	900	1060	725	20×Φ12.5	4×Φ19	826
13	6/8P17/8.5	1310	1370	1420	800	720	850	950	900	750	20×Φ12.5	4×Φ21	562
13b	6/8P21/11	1310	1370	1420	800	720	850	950	900	750	20×Φ12.5	4×Φ21	585
13c	6/8P30/15	1310	1370	1420	880	800	850	950	980	750	20×Φ12.5	4×Φ21	670
14	6/8P21/11	1410	1470	1520	800	720	900	1000	900	800	20×Φ12.5	4×Φ21	588
14b	4/6P38/13	1410	1470	1520	880	800	900	1000	980	800	20×Φ12.5	4×Φ21	754
14c	4/6P47/16	1410	1470	1520	960	880	900	1000	1060	800	20×Φ12.5	4×Φ21	942
14d	4/6P55/18.5	1410	1470	1520	1080	1000	900	1000	1180	800	20×Φ12.5	4×Φ21	1143
14e	6/8P30/15	1410	1470	1520	880	800	900	1000	980	800	20×Φ12.5	4×Φ21	695
15	6/8P21/11	1510	1575	1630	790	710	1000	1100	890	850	20×Φ12.5	4×Φ21	616
15b	6/8P37/22	1510	1575	1630	950	870	1000	1100	1050	850	20×Φ12.5	4×Φ21	936
15c	6/8P45/22	1510	1575	1630	1070	990	1000	1100	1170	850	20×Φ12.5	4×Φ21	1050
15d	6/8P55/28	1510	1575	1630	1070	990	1000	1100	1170	850	20×Φ12.5	4×Φ21	1180
15e	6/8P30/15	1510	1575	1630	870	790	1000	1100	970	850	20×Φ12.5	4×Φ21	715
16	6/8P30/15	1610	1675	1730	870	790	1050	1150	970	900	24×Φ14.5	4×Φ21	726
16b	6/8P45/22	1610	1675	1730	1070	990	1050	1150	1170	900	24×Φ14.5	4×Φ21	1096
16c	6/8P55/28	1610	1675	1730	1070	990	1050	1150	1170	900	24×Φ14.5	4×Φ21	1232
16d	6/8P75/37	1610	1675	1730	1200	1120	1050	1150	1300	900	24×Φ14.5	4×Φ21	1673
16e	6/8P37/22	1610	1675	1730	950	870	1050	1150	1050	900	24×Φ14.5	4×Φ21	945

Outline dimensions of HTF-D HTF-D外形尺寸表

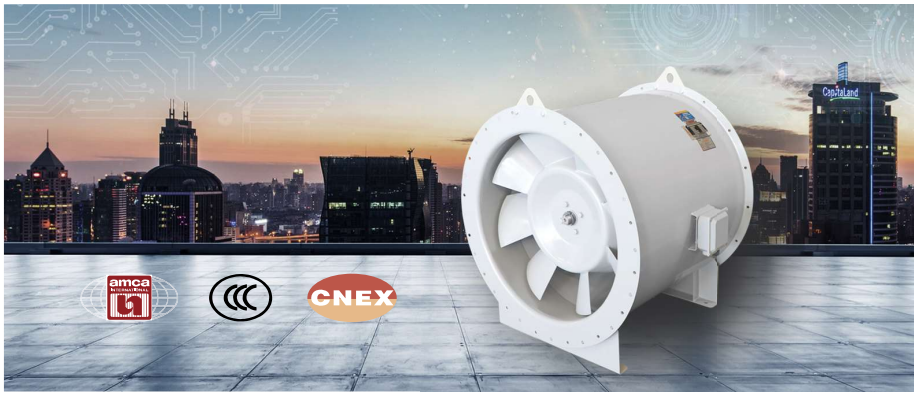
型号 Model	电机 Motor	D1	D2	D3	M1	M2	M3	M4	L	H	n×Φa	4×Φb	kg
5	4P1.1	510	555	590	340	290	350	400	400	315	8×Φ10.5	4×Φ11	58
5.5	4P1.5	560	605	640	340	290	350	450	400	350	8×Φ10.5	4×Φ15	67
6	4P1.5	610	655	690	340	290	400	500	400	375	12×Φ10.5	4×Φ15	73
6.5	6P2.2	660	710	750	400	350	400	500	460	400	12×Φ10.5	4×Φ15	100
7	6P3	710	760	800	470	420	500	600	530	425	12×Φ10.5	4×Φ15	128
8	6P3	810	860	900	470	420	500	600	530	485	12×Φ10.5	4×Φ15	131
9	6P4	910	965	1010	505	445	600	700	580	545	16×Φ12.5	4×Φ19	168
10	6P5.5	1010	1065	1110	505	445	600	700	580	500	16×Φ12.5	4×Φ19	195
11	6P5.5	1110	1165	1210	505	445	700	800	580	550	16×Φ12.5	4×Φ19	221
12	8P11	1210	1270	1320	730	650	800	900	830	700	20×Φ12.5	4×Φ19	449
13	8P11	1310	1370	1420	730	650	850	950	830	750	20×Φ12.5	4×Φ21	493
14	8P11	1410	1470	1520	730	650	900	1000	830	800	20×Φ12.5	4×Φ21	504
15	8P15	1510	1575	1630	790	710	1000	1100	890	850	20×Φ14.5	4×Φ21	587
16	8P15	1610	1675	1730	790	710	1050	1150	890	900	24×Φ14.5	4×Φ21	612

Outline dimension drawing of HTF-I-Y fan HTF-I-Y外形尺寸图



Outline dimensions of HTF-D HTF-D外形尺寸表

型号 Model	电机 Motor	D1	D2	D3	M1	M2	M3	M4	L	H	n×Φa	4×Φb	kg
4.5	2P4	450	510	560	570	520	290	370	650	320	8×Φ12	4×Φ13	108
5.3	2P11	530	590	640	720	670	370	470	800	365	12×Φ12	4×Φ15	212
5.6	2P15	560	620	670	760	710	400	500	840	380	12×Φ12	4×Φ15	238
6	2P18.5	600	660	710	820	770	440	540	900	400	12×Φ12	4×Φ15	300
6.3	2P22	630	690	740	870	820	470	570	950	415	12×Φ12	4×Φ15	368
6.7	2P30	670	730	780	920	870	510	610	1000	440	12×Φ12	4×Φ15	428
7.1	2P37	710	770	820	970	920	550	650	1050	460	16×Φ12	4×Φ15	478
7.5	2P37	750	810	860	1020	970	590	690	1100	480	16×Φ12	4×Φ15	538
8	2P45	800	860	910	1120	1070	640	740	1200	500	16×Φ12	4×Φ15	628
11.2	4P55	1120	1180	1230	1280	1190	880	980	1400	700	20×Φ15	4×Φ19	898
11.8	4P75	1180	1240	1290	1380	1290	940	1040	1500	730	20×Φ15	4×Φ19	1152
12.5	4P90	1250	1310	1360	1480	1390	1000	1100	1600	760	20×Φ15	4×Φ19	1248



SWF Series Hi-efficiency Low-noise Mixed Flow Fan and Axial Flow Fire-proof Smoke Exhaust Fan
SWF系列高效低噪混流式通风机、轴流式消防排烟风机

General Description
一、简述

Type test result is higher than national standard

高于国标的型式检验结果

The fan has passed CCC certification, which ensures 60min normal operation of the fan at the temperature of 280℃ (according to the standard,the operation time of fan is 30min at 280℃ or 45min at 250℃).

消防 3C 检测在 280℃时正常运转 60min（标准为 280℃时运行 30min 或 250℃时运行 45min）以上。

Well designed aerodynamic characteristics

气动特性设计合理

The fan, optimized by three-dimensional flow simulation and multi-objective design with CAD system software, through aerodynamic performance prediction and stress modal analysis,has excellent aerodynamic performance and sufficient strength at high temperature.

风机由CAD系统软件,经三维流态模拟多目标优化设计,并作气动性能预示、应力模态分析,确保产品有优良的空气动力性能,并在高温下具有足够的强度。

Fine process and high structural strength

工艺精细，结构强度高

Air duct with elaborate production line: from precision cutting, robot automatic welding, end flange integration spinning molding to flange angles punching, the air duct has standard sizes, nice appearance and high structural strength.

The complete molds production of meridian type blades and rear guide blades ensures that the blades have precision size and stable curved arc: the integral hub is compression molding with the hub edge strengthened by spinning and has the minimum mass and stress under the given rigidity and strength ; the spinning streamlined front cover improves the fan efficiency and reduces the noise ; the automatic robot welding, high tooling positioning accuracy and the stable and reliable welding effect ensure the long-term and stable operation of fan.

The electrostatic powder spraying production line, via 12 procedures and high temperature baking process, produces perfect anti-corrosion effect.

风筒流水线制作：精细下料、机器人自动焊接、端法兰一体化旋压成型、法兰转角冲孔，尺寸标准外形美观强度高。

子午型叶片、后导流叶片全模具化加工,保证叶型曲弧稳定尺寸精确 一体式轮毂模压成型、轮缘旋压加强,在保证给定的刚度和强度条件下,具有质量最轻、应力最少；流线型前罩旋压成型，提高效率和减噪；叶轮机器人自动焊接，工装定位精度高、焊接效果稳定可靠，为产品长期稳定运行提供有效保证。

12 道工序流水线静电粉末喷涂，经高温烘烤，防腐效果好。

High balance level control

内控高平衡等级

All the impellers of this series are statically and dynamically balanced to G2.5 (general fan reaches G6.3 only) balance grade of ISO standard, which ensures the long-term, stable and quiet operation of the fan.

叶轮经静、动平衡校验，内控标准达到 ISO 标准的平衡等级 G2.5（一般产品仅 G6.3），确保产品能长期、稳定、安静运行。

Passed various certifications of China compulsory product, explosion proof and energy

消防 3C、防爆、能效多种认证

The SWF fan meets the national standard for the fire-proof smoke exhaust fans in tunnels for tunnel sections and tunnels for metro sections and other buildings, and the explosion-proof type also meets the explosion proof requirement for specific occasions.

The general type for general ventilation and two-speed type for low speed ventilation and exhaust in normal time and high speed smoke exhaust in case of fire accident are available.

The structure types of horizontal, vertical and roof can be provided for this series fan in occasions with different conditions.

The inlet and outlet silencers or acoustic boxed may be provided for the user' s high requirements for noise.

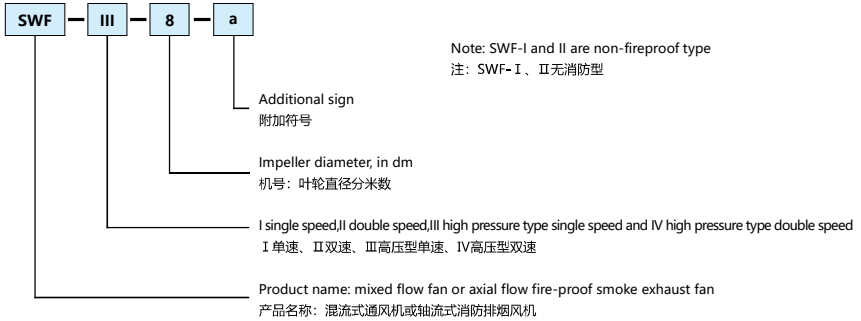
同时满足隧道区间隧道、地铁区间隧道、其它建筑内用消防排烟风机国标要求，防爆型还满足特定场合的防爆要求。

可提供普通型，用于一般通排风要求；也可提供双速风机用于平时低速通排风消防时高速排烟，达到一机两用要求。

可提供卧式、立式、屋顶式结构满足不同使用场合要求。

若用户对噪声有较高要求，进出口可配带消声器或外包消声箱处理。

Naming conventions
二、命名规范



Performance Parameter
三、产品性能参数

Performance Parameter Table Of SWF-I Fan
SWF-I 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-I-3	1450	2312	121	78	0.25	66	25
		2009	184	151			
		1606	236	215			
SWF-I-4	1450	4302	143	94	0.37	71	32
		3636	175	140			
		3053	212	187			
SWF-I-4.5	1450	4552	207	172	0.55	73	42
		4040	216	189			
		3392	265	246			
SWF-I-5	1450	7433	220	159	1.1	77	56
		6664	278	229			
		5252	326	295			
SWF-I-6	1450	10000	200	146	1.5	79	74
		8900	262	219			
		8121	325	289			
SWF-I-6.5	1450	15064	282	192	2.2	80	92
		12255	350	291			
		9424	418	383			
SWF-I-7	1450	18800	329	225	3	82	100
		15319	370	301			
		11780	470	429			
SWF-I-8	960	25467	193	80	4	82	175
		22424	292	204			
		18636	382	321			
SWF-I-9	960	34206	282	154	5.5	86	209
		32056	370	257			
		27174	430	349			
SWF-I-10	960	44054	288	148	7.5	86	263
		40598	329	210			
		36916	371	273			
SWF-I-11	960	48729	310	192	11	86	329
		46099	346	241			
		43572	376	282			
SWF-I-12	720	64292	429	284	15	91	554
		60820	471	341			
		57226	498	383			
SWF-I-13	720	71565	441	310	15	91	584
		67702	482	365			
		63699	508	404			
SWF-I-14	720	84506	495	359	18.5	92	666
		75201	573	466			
		60952	720	649			

Performance Parameter Table Of SWF-II Fan
SWF-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-II-7	1450/960	18800/12050	329/124	225/81	3.2/1.1	82/73	112
		15319/10140	370/162	301/132			
		11780/7799	470/206	429/188			
SWF-II-8	1450/960	41256/25467	560/193	263/80	12/4	91/82	265
		35380/22424	667/292	449/204			
		28148/18636	872/382	734/321			
SWF-II-8.2	1450/960	46066/30499	539/236	203/89	15.5/5.1	90/84	298
		42370/28052	754/331	470/207			
		34709/22979	926/436	735/352			
SWF-II-9	1450/960	56666/34206	644/282	293/154	18/6.2	92/86	351
		51590/32056	845/370	554/258			
		48044/27174	981/430	728/349			
SWF-II-10	1450/960	66541/44054	704/288	385/148	22/8	93/86	419
		61321/40598	751/329	480/210			
		55758/36916	804/371	580/273			
SWF-II-11	1450/960	73601/48729	709/310	441/193	24/8.5	94/86	486
		68629/46099	789/346	556/241			
		63812/43572	843/376	642/282			
SWF-II-12	960/720	85723/64292	763/429	506/284	25/12	95/91	631
		81093/60820	837/471	607/341			
		76031/57226	886/498	684/383			
SWF-II-13	960/720	95420/71565	785/441	553/310	30/15	95/91	705
		90270/67702	857/482	649/365			
		84933/63699	904/508	720/405			
SWF-II-14	960/720	99561/84506	840/495	652/359	37/22	97/93	801
		90018/75201	980/573	826/466			
		72856/60952	1252/720	1151/649			

Performance Parameter Table Of SWF-III Fan
SWF-III 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-III-3a	2900	2813	350	286	0.55	70	28
		2951	343	272			
		3081	332	255			
		3210	316	232			
		3340	293	202			
		3462	263	166			
		3595	224	119			
SWF-III-3b	2900	2910	370	301	0.75	71	34
		2990	361	288			
		3073	347	270			
		3150	330	249			
		3240	306	221			
		3325	276	186			
		3410	241	147			
SWF-III-3c	2900	3193	397	314	1.1	71	36
		3281	385	298			
		3365	368	276			
		3450	345	248			
		3531	317	216			
		3610	286	180			
		3693	250	139			
SWF-III-3.5a	2900	4170	542	464	1.1	72	36
		4380	529	443			
		4590	509	415			
		4785	485	383			
		4978	449	338			
		5173	401	281			
		5370	341	212			
SWF-III-3.5b	2900	5050	590	476	1.5	73	43
		5260	574	450			
		5465	552	419			
		5670	524	380			
		5860	490	337			
		6050	447	283			
		6240	396	222			
SWF-III-3.5c	2900	5525	675	539	2.2	74	50
		5780	665	516			
		6030	649	487			
		6280	623	447			
		6540	586	395			
		6805	535	328			
		7080	475	251			
SWF-III-4a	1450	4240	309	261	0.75	70	48
		4460	304	251			
		4670	297	239			
		4880	286	223			
		5110	268	199			
		5320	246	171			
		5540	216	134			

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of SWF-III Fan
SWF-III 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-III-4b	2900	6680	680	561	2.2	76	52
		6990	658	528			
		7281	629	488			
		7551	595	444			
		7836	550	387			
		8132	493	317			
		8432	427	238			
SWF-III-4c	2900	6500	885	773	3	78	54
		6940	868	740			
		7380	840	695			
		7810	797	635			
		8206	743	564			
		8615	670	473			
		9023	585	369			
SWF-III-4.5a	1450	6235	392	327	1.1	73	60
		6510	379	308			
		6780	363	286			
		7045	343	260			
		7310	319	229			
		7580	292	196			
		7850	260	157			
SWF-III-4.5b	2900	8240	762	648	3	79	71
		8740	748	620			
		9230	722	579			
		9745	683	524			
		10230	631	456			
		10715	567	375			
		11200	489	279			
SWF-III-4.5c	2900	8830	943	812	4	80	80
		9483	920	769			
		10120	888	716			
		10750	845	651			
		11400	785	567			
		12010	711	469			
		12620	622	355			
SWF-III-5a	1450	5425	422	389	1.1	75	56
		5850	410	372			
		6270	393	349			
		6720	367	317			
		7160	333	276			
		7590	291	227			
		8020	241	170			
SWF-III-5b	2900	7343	1075	1015	4	82	86
		8192	1039	965			
		9010	1001	911			
		9865	947	839			
		10752	869	741			
		11565	775	627			
		12452	640	468			

Performance Parameter Table Of SWF-III Fan
SWF-III 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-III-5c	2900	9180	1146	1053	5.5	83	107
		10020	1110	999			
		10848	1055	924			
		11680	973	822			
		12440	876	704			
		13110	768	577			
		13820	640	428			
SWF-III-5d	2900	11082	1219	1083	7.5	84	113
		12003	1199	1039			
		12950	1163	977			
		13865	1108	895			
		14768	1028	786			
		15670	916	644			
		16479	791	490			
SWF-III-5.5a	1450	7585	503	459	2.2	77	83
		8191	497	446			
		8800	485	426			
		9370	463	396			
		9920	431	356			
		10500	384	300			
		11080	323	229			
SWF-III-5.5b	1450	10210	573	493	3	78	88
		10710	563	475			
		11190	546	450			
		11670	519	415			
		12135	481	369			
		12620	427	305			
		13110	362	231			
SWF-III-5.5c	2900	11600	946	843	5.5	82	114
		12410	922	804			
		13210	886	753			
		14020	832	682			
		14810	758	591			
		15620	660	474			
		16400	547	342			
SWF-III-5.5d	2900	13520	1160	1021	7.5	84	118
		14325	1132	975			
		15110	1090	916			
		15880	1035	843			
		16610	968	757			
		17380	881	650			
		18130	779	528			
SWF-III-6a	1450	11510	579	507	3	79	91
		12120	567	487			
		12730	547	459			
		13350	514	417			
		13920	472	367			
		14480	417	303			
		15030	351	229			

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of SWF-III Fan
SWF-III 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-III-6b	2900	14570	1140	1025	7.5	84	128
		15560	1090	959			
		16510	1028	880			
		17360	960	797			
		18270	869	688			
		19230	755	555			
		20110	629	410			
SWF-III-6c	2900	15820	1290	1154	11	86	187
		17020	1269	1112			
		18260	1233	1052			
		19530	1173	966			
		20750	1080	847			
		21980	957	695			
		23220	806	514			
SWF-III-6.5a	1450	16630	756	647	5.5	81	160
		17552	744	622			
		18445	723	588			
		19396	686	537			
		20250	638	476			
		21120	573	397			
		22012	493	301			
SWF-III-6.5b	2900	15105	1041	951	7.5	88	128
		16225	998	894			
		17310	947	828			
		18340	884	751			
		19420	807	658			
		20450	714	549			
		21470	601	419			
SWF-III-6.5c	2900	17029	1265	1150	11	90	179
		18520	1230	1094			
		20020	1178	1019			
		21550	1100	916			
		23060	1000	790			
		24426	890	654			
		25753	764	502			
SWF-III-7a	1450	18195	951	853	7.5	83	173
		19295	923	813			
		20280	887	766			
		21240	835	702			
		22180	766	621			
		23080	684	527			
		23950	589	420			
SWF-III-7b	1450	22850	1073	919	11	84	233
		24310	1045	870			
		25750	1001	805			
		27210	936	717			
		28580	851	610			
		29980	738	473			
		31380	606	315			

Performance Parameter Table Of SWF-III Fan
SWF-III 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-III-7c	2900	21095	1525	1394	15	96	216
		22510	1495	1345			
		23895	1447	1278			
		25310	1370	1181			
		26720	1258	1047			
		28105	1113	880			
		29440	947	691			
SWF-III-8a	1450	27510	934	802	11	88	253
		29020	905	758			
		30550	858	695			
		31905	800	623			
		33210	731	539			
		34410	658	452			
		35780	568	345			
SWF-III-8b	1450	30020	1141	984	15	90	289
		31600	1100	926			
		33010	1052	862			
		34480	988	781			
		35720	920	698			
		37450	806	561			
		39010	688	423			
SWF-III-8c	2900	24529	1727	1622	18.5	97	274
		26500	1647	1525			
		28300	1551	1411			
		30050	1426	1269			
		31705	1285	1110			
		33410	1122	927			
		35128	932	717			
SWF-III-8d	2900	26080	1808	1689	22	98	320
		28380	1740	1600			
		30550	1646	1483			
		32605	1538	1353			
		34650	1389	1180			
		36780	1199	963			
		38800	992	730			
SWF-III-9a	1450	40120	1082	906	18.5	91	368
		42350	1060	864			
		44450	1017	801			
		46510	958	721			
		48600	882	623			
		50650	794	513			
		52750	694	389			
SWF-III-9b	1450	42380	1148	951	22	92	378
		44730	1128	909			
		47100	1093	850			
		49430	1036	769			
		51780	956	663			
		54130	855	534			
		56250	743	397			

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of SWF-III Fan
SWF-III 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-III-9c	1450	48030	1437	1185	30	93	470
		50820	1400	1117			
		53350	1342	1030			
		55720	1265	925			
		58140	1163	793			
		60430	1053	653			
		62730	925	494			
SWF-III-10a	960	32397	592	516	7.5	84	308
		34085	574	490			
		35795	548	456			
		37395	517	416			
		38912	477	368			
		40512	421	303			
		42030	356	229			
SWF-III-10b	960	32152	873	798	11	87	349
		33988	841	758			
		35860	792	699			
		37630	729	627			
		39325	656	544			
		41065	565	443			
		42752	463	331			
SWF-III-10c	1450	39825	1126	1012	18.5	92	373
		42685	1101	970			
		45502	1060	911			
		48152	993	826			
		50621	902	717			
		52880	790	588			
		55120	648	429			
SWF-III-10d	1450	40857	1726	1606	30	95	494
		43650	1677	1540			
		46530	1600	1444			
		49425	1485	1309			
		52351	1317	1119			
		54885	1128	911			
		57361	897	660			
SWF-III-10.5a	960	35690	971	895	15	86	421
		38031	951	865			
		40431	917	820			
		42730	863	754			
		45088	777	656			
		47285	666	533			
		49460	531	386			
SWF-III-10.5b	1450	46922	1220	1089	22	93	409
		49720	1185	1038			
		52550	1133	969			
		55256	1063	881			
		57750	982	784			
		60256	875	659			
		62830	742	507			

Performance Parameter Table Of SWF-III Fan
SWF-III 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-III-10.5c	1450	48200	1945	1807	37	97	617
		51610	1881	1723			
		54680	1798	1620			
		57800	1667	1468			
		60856	1485	1265			
		63856	1255	1013			
		66606	992	728			
SWF-III-11a	960	48395	925	809	18.5	88	524
		51495	911	780			
		54590	884	737			
		57301	840	678			
		60121	776	597			
		62650	703	509			
		65522	604	392			
SWF-III-11b	1450	53530	1100	958	22	93	434
		56659	1063	904			
		59521	1018	843			
		62250	963	771			
		65230	884	674			
		68320	783	552			
		71220	671	420			
SWF-III-12a	960	45438	1107	1035	18.5	91	590
		48255	1060	978			
		51010	998	907			
		53685	917	816			
		56350	808	697			
		59046	673	551			
		61536	532	399			
SWF-III-12b	960	53956	1133	1031	22	92	611
		57250	1081	966			
		60306	1018	891			
		63258	943	803			
		66150	848	695			
		68858	737	571			
		71360	608	430			
SWF-III-13	960	76280	1100	952	30	93	694
		80386	1060	895			
		84386	1005	824			
		87960	937	740			
		91667	848	634			
		95150	746	515			
		98405	631	384			
SWF-III-14	960	72855	1259	1158	37	95	834
		80020	1227	1105			
		87020	1177	1033			
		93500	1107	941			
		99551	1019	831			
		105821	900	687			
		111830	758	521			

Performance Parameter Table Of SWF-IV Fan
SWF-IV 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-IV-3a	2900/1450	2813/1407	350/88	286/72	0.55/0.14	70/59	30
		2951/1476	343/86	272/68			
		3081/1541	332/83	255/64			
		3210/1605	316/79	232/58			
		3340/1670	293/73	202/51			
		3462/1731	263/66	166/42			
		3595/1798	224/56	119/30			
SWF-IV-3b	2900/1450	2910/1455	370/93	301/75	0.75/0.17	71/60	34
		2990/1495	361/90	288/72			
		3073/1537	347/87	270/68			
		3150/1575	330/83	249/62			
		3240/1620	306/77	221/55			
		3325/1663	276/69	186/47			
		3410/1705	241/60	147/37			
SWF-IV-3c	2900/1450	3193/1597	397/99	314/79	1.1/0.25	71/59	39
		3281/1641	385/96	298/75			
		3365/1683	368/92	276/69			
		3450/1725	345/86	248/62			
		3531/1766	317/79	216/54			
		3610/1805	286/72	180/45			
		3693/1847	250/63	139/35			
SWF-IV-3.5a	2900/1450	4170/2085	542/136	464/116	1.1/0.25	72/61	39
		4380/2190	529/132	443/111			
		4590/2295	509/127	415/104			
		4785/2393	485/121	383/96			
		4978/2489	449/112	338/85			
		5173/2587	401/100	281/70			
		5370/2685	341/85	212/53			
SWF-IV-3.5b	2900/1450	5050/2525	590/148	476/119	1.4/0.3	73/62	46
		5260/2630	574/144	450/113			
		5465/2733	552/138	419/105			
		5670/2835	524/131	380/95			
		5860/2930	490/123	337/84			
		6050/3025	447/112	283/71			
		6240/3120	396/99	222/56			
SWF-IV-3.5c	2900/1450	5525/2763	675/169	539/135	1.9/0.4	74/63	50
		5780/2890	665/166	516/129			
		6030/3015	649/162	487/122			
		6280/3140	623/156	447/112			
		6540/3270	586/147	395/99			
		6805/3403	535/134	328/82			
		7080/3540	475/119	251/63			
SWF-IV-4a	1450/960	4240/2807	309/135	261/114	0.85/0.25	70/65	49
		4460/2953	304/133	251/110			
		4670/3092	297/130	239/105			
		4880/3231	286/125	223/98			
		5110/3383	268/117	199/87			
		5320/3522	246/108	171/75			
		5540/3668	216/95	134/59			

Performance Parameter Table Of SWF-IV Fan
SWF-IV 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-IV-4b	2900/1450	6680/3340	680/170	561/140	2.5/0.65	76/65	60
		6990/3495	658/165	528/132			
		7281/3641	629/157	488/122			
		7551/3776	595/149	444/111			
		7836/3918	550/138	387/97			
		8132/4066	493/123	317/79			
		8432/4216	427/107	238/60			
SWF-IV-4c	2900/1450	6500/3250	885/221	773/193	3.1/0.8	78/67	56
		6940/3470	868/217	740/185			
		7380/3690	840/210	695/174			
		7810/3905	797/199	635/159			
		8206/4103	743/186	564/141			
		8615/4308	670/168	473/118			
		9023/4512	585/146	369/92			
SWF-IV-4.5a	1450/960	6235/4128	392/172	327/143	1.1/0.32	73/68	62
		6510/4310	379/166	308/135			
		6780/4489	363/159	286/125			
		7045/4664	343/150	260/114			
		7310/4840	319/140	229/100			
		7580/5018	292/128	196/86			
		7850/5197	260/114	157/69			
SWF-IV-4.5b	2900/1450	8240/4120	762/191	648/162	3.1/0.8	79/68	73
		8740/4370	748/187	620/155			
		9230/4615	722/181	579/145			
		9745/4873	683/171	524/131			
		10230/5115	631/158	456/114			
		10715/5358	567/142	375/94			
		11200/5600	489/122	279/70			
SWF-IV-4.5c	2900/1450	8830/4415	943/236	812/203	4.4/1.1	80/69	80
		9483/4742	920/230	769/192			
		10120/5060	888/222	716/179			
		10750/5375	845/211	651/163			
		11400/5700	785/196	567/142			
		12010/6005	711/178	469/117			
		12620/6310	622/156	355/89			
SWF-IV-5a	1450/960	5425/3592	422/185	389/171	1.1/0.32	75/70	58
		5850/3873	410/180	372/163			
		6270/4151	393/172	349/153			
		6720/4449	367/161	317/139			
		7160/4740	333/146	276/121			
		7590/5025	291/128	227/100			
		8020/5310	241/106	170/75			
SWF-IV-5b	2900/1450	7343/3672	1075/269	1015/254	4.4/1.1	82/71	86
		8192/4096	1039/260	965/241			
		9010/4505	1001/250	911/228			
		9865/4933	947/237	839/210			
		10752/5376	869/217	741/185			
		11565/5783	775/194	627/157			
		12452/6226	640/160	468/117			

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of SWF-IV Fan
SWF-IV 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-IV-5c	2900/1450	9180/4590	1146/287	1053/263	5.9/1.4	83/72	111
		10020/5010	1110/278	999/250			
		10848/5424	1055/264	924/231			
		11680/5840	973/243	822/206			
		12440/6220	876/219	704/176			
		13110/6555	768/192	577/144			
		13820/6910	640/160	428/107			
SWF-IV-5d	2900/1450	11082/5541	1219/305	1083/271	8/2	84/73	127
		12003/6002	1199/300	1039/260			
		12950/6475	1163/291	977/244			
		13865/6933	1108/277	895/224			
		14768/7384	1028/257	786/197			
		15670/7835	916/229	644/161			
		16479/8240	791/198	490/123			
SWF-IV-5.5a	1450/960	7585/5022	503/220	459/201	2.2/0.7	77/71	83
		8191/5423	497/218	446/195			
		8800/5826	485/213	426/187			
		9370/6204	463/203	396/174			
		9920/6568	431/189	356/156			
		10500/6952	384/168	300/132			
		11080/7336	323/142	229/100			
SWF-IV-5.5b	1450/960	10210/6760	573/251	493/216	3.2/1.1	78/72	97
		10710/7091	563/247	475/208			
		11190/7409	546/239	450/197			
		11670/7726	519/227	415/182			
		12135/8034	481/211	369/162			
		12620/8355	427/187	305/134			
		13110/8680	362/159	231/101			
SWF-IV-5.5c	2900/1450	11600/5800	946/237	843/211	5.9/1.4	82/70	119
		12410/6205	922/231	804/201			
		13210/6605	886/222	753/188			
		14020/7010	832/208	682/171			
		14810/7405	758/190	591/148			
		15620/7810	660/165	474/119			
		16400/8200	547/137	342/86			
SWF-IV-5.5d	2900/1450	13520/6760	1160/290	1021/255	8/2	84/72	132
		14325/7163	1132/283	975/244			
		15110/7555	1090/273	916/229			
		15880/7940	1035/259	843/211			
		16610/8305	968/242	757/189			
		17380/8690	881/220	650/163			
		18130/9065	779/195	528/132			
SWF-IV-6a	1450/960	11510/7620	579/254	507/222	3.2/1.1	79/73	101
		12120/8024	567/249	487/213			
		12730/8428	547/240	459/201			
		13350/8839	514/225	417/183			
		13920/9216	472/207	367/161			
		14480/9587	417/183	303/133			
		15030/9951	351/154	229/100			

Performance Parameter Table Of SWF-IV Fan
SWF-IV 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-IV-6b	2900/1450	14570/7285	1140/285	1025/256	8/2	84/72	143
		15560/7780	1090/273	959/240			
		16510/8255	1028/257	880/220			
		17360/8680	960/240	797/199			
		18270/9135	869/217	688/172			
		19230/9615	755/189	555/139			
		20110/10055	629/157	410/103			
SWF-IV-6c	2900/1450	15820/7910	1290/323	1154/289	12.5/2.8	86/74	193
		17020/8510	1269/317	1112/278			
		18260/9130	1233/308	1052/263			
		19530/9765	1173/293	966/242			
		20750/10375	1080/270	847/212			
		21980/10990	957/239	695/174			
		23220/11610	806/202	514/129			
SWF-IV-6.5a	1450/960	16630/11010	756/331	647/284	6.7/2.2	81/74	178
		17552/11621	744/326	622/273			
		18445/12212	723/317	588/258			
		19396/12841	686/301	537/235			
		20250/13407	638/280	476/209			
		21120/13983	573/251	397/174			
		22012/14573	493/216	301/132			
SWF-IV-6.5b	2900/1450	15105/7553	1041/260	951/238	8/2	88/75	135
		16225/8113	998/250	894/224			
		17310/8655	947/237	828/207			
		18340/9170	884/221	751/188			
		19420/9710	807/202	658/165			
		20450/10225	714/179	549/137			
		21470/10735	601/150	419/105			
SWF-IV-6.5c	2900/1450	17029/8515	1265/316	1150/288	12.5/2.8	90/77	185
		18520/9260	1230/308	1094/274			
		20020/10010	1178/295	1019/255			
		21550/10775	1100/275	916/229			
		23060/11530	1000/250	790/198			
		24426/12213	890/223	654/164			
		25753/12877	764/191	502/126			
SWF-IV-7a	1450/960	18195/12046	951/417	853/374	9.5/3.1	83/76	227
		19295/12775	923/405	813/356			
		20280/13427	887/389	766/336			
		21240/14062	835/366	702/308			
		22180/14685	766/336	621/272			
		23080/15281	684/300	527/231			
		23950/15857	589/258	420/184			
SWF-IV-7b	1450/960	22850/15128	1073/470	919/403	12/4	84/77	255
		24310/16095	1045/458	870/381			
		25750/17048	1001/439	805/353			
		27210/18015	936/410	717/314			
		28580/18922	851/373	610/267			
		29980/19849	738/323	473/207			
		31380/20776	606/266	315/138			
SWF-IV-7c	2900/1450	21095/10548	1525/381	1394/349	16/3.8	96/83	240
		22510/11255	1495/374	1345/336			
		23895/11948	1447/362	1278/320			
		25310/12655	1370/343	1181/295			
		26720/13360	1258/315	1047/262			
		28105/14053	1113/278	880/220			
		29440/14720	947/237	691/173			

Performance Parameter Table Of SWF-IV Fan
SWF-IV 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-IV-8a	1450/960	27510/18214	934/409	802/352	12/4	88/81	276
		29020/19213	905/397	758/332			
		30550/20226	858/376	695/305			
		31905/21123	800/351	623/273			
		33210/21987	731/320	539/236			
		34410/22782	658/288	452/198			
		35780/23689	568/249	345/151			
SWF-IV-8b	1450/960	30020/19875	1141/500	984/431	15.5/5.1	90/83	320
		31600/20921	1100/482	926/406			
		33010/21855	1052/461	862/378			
		34480/22828	988/433	781/342			
		35720/23649	920/403	698/306			
		37450/24794	806/353	561/246			
		39010/25827	688/302	423/185			
SWF-IV-8c	2900/1450	24529/12265	1727/432	1622/406	18.5/4.6	97/84	314
		26500/13250	1647/412	1525/381			
		28300/14150	1551/388	1411/353			
		30050/15025	1426/357	1269/317			
		31705/15853	1285/321	1110/278			
		33410/16705	1122/281	927/232			
		35128/17564	932/233	717/179			
SWF-IV-8d	2900/1450	26080/13040	1808/452	1689/422	22/5.5	98/85	336
		28380/14190	1740/435	1600/400			
		30550/15275	1646/412	1483/371			
		32605/16303	1538/385	1353/338			
		34650/17325	1389/347	1180/295			
		36780/18390	1199/300	963/241			
		38800/19400	992/248	730/183			
SWF-IV-9a	1450/960	40120/26562	1082/474	906/397	18/6.2	91/84	388
		42350/28039	1060/465	864/379			
		44450/29429	1017/446	801/351			
		46510/30793	958/420	721/316			
		48600/32177	882/387	623/273			
		50650/33534	794/348	513/225			
		52750/34924	694/304	389/171			
SWF-IV-9b	1450/960	42380/28058	1148/503	951/417	22/8	92/85	425
		44730/29614	1128/494	909/398			
		47100/31183	1093/479	850/373			
		49430/32726	1036/454	769/337			
		51780/34282	956/419	663/291			
		54130/35838	855/375	534/234			
		56250/37241	743/326	397/174			
SWF-IV-9c	1450/960	48030/31799	1437/630	1185/519	33/11	93/86	499
		50820/33646	1400/614	1117/490			
		53350/35321	1342/588	1030/451			
		55720/36890	1265/554	925/405			
		58140/38493	1163/510	793/348			
		60430/40009	1053/462	653/286			
		62730/41532	925/405	494/217			
SWF-IV-10a	960/720	32397/24298	592/333	516/290	9/4.5	84/80	331
		34085/25564	574/323	490/276			
		35795/26846	548/308	456/257			
		37395/28046	517/291	416/234			
		38912/29184	477/268	368/207			
		40512/30384	421/237	303/170			
		42030/31523	356/200	229/129			

Performance Parameter Table Of SWF-IV Fan
SWF-IV 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-IV-10b	960/720	32152/24114	873/491	798/449	13/6.5	87/83	394
		33988/25491	841/473	758/426			
		35860/26895	792/446	699/393			
		37630/28223	729/410	627/353			
		39325/29494	656/369	544/306			
		41065/30799	565/318	443/249			
		42752/32064	463/260	331/186			
SWF-IV-10c	1450/960	39825/26367	1126/494	1012/444	18/6.2	92/85	394
		42685/28260	1101/483	970/425			
		45502/30125	1060/465	911/399			
		48152/31880	993/435	826/362			
		50621/33515	902/395	717/314			
		52880/35010	790/346	588/258			
		55120/36493	648/284	429/188			
SWF-IV-10	1450/960	40857/27050	1726/757	1606/704	33/11	95/88	554
		43650/28899	1677/735	1540/675			
		46530/30806	1600/701	1444/633			
		49425/32723	1485/651	1309/574			
		52351/34660	1317/577	1119/490			
		54885/36338	1128/494	911/399			
		57361/37977	897/393	660/289			
SWF-IV-10.5a	960/720	35690/26768	971/546	895/503	17/8.5	86/82	495
		38031/28523	951/535	865/487			
		40431/30323	917/516	820/461			
		42730/32048	863/485	754/424			
		45088/33816	777/437	656/369			
		47285/35464	666/375	533/300			
		49460/37095	531/299	386/217			
SWF-IV-10.5b	1450/960	46922/31066	1220/535	1089/477	22/8	93/86	472
		49720/32918	1185/519	1038/455			
		52550/34792	1133/497	969/425			
		55256/36583	1063/466	881/386			
		57750/38234	982/430	784/344			
		60256/39894	875/384	659/289			
		62830/41598	742/325	507/222			
SWF-IV-10.5c	1450/960	48200/31912	1945/853	1807/792	38/13	97/91	652
		51610/34169	1881/825	1723/755			
		54680/36202	1798/788	1620/710			
		57800/38268	1667/731	1468/643			
		60856/40291	1485/651	1265/554			
		63856/42277	1255/550	1013/444			
		66606/44098	992/435	728/319			
SWF-IV-11a	960/720	48395/36296	925/520	809/455	21/11	88/84	538
		51495/38621	911/512	780/439			
		54590/40943	884/497	737/415			
		57301/42976	840/473	678/381			
		60121/45091	776/437	597/336			
		62650/46988	703/395	509/286			
		65522/49142	604/340	392/221			
SWF-IV-11b	1450/960	53530/35441	1100/482	958/420	22/8	93/86	498
		56659/37512	1063/466	904/396			
		59521/39407	1018/446	843/370			
		62250/41214	963/422	771/338			
		65230/43187	884/387	674/295			
		68320/45233	783/343	552/242			
		71220/47153	671/294	420/184			

Performance Parameter Table Of SWF-IV Fan
SWF-IV 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
SWF-IV-12a	960/720	45438/34079	1107/623	1035/582	21/11	91/87	604
		48255/36191	1060/596	978/550			
		51010/38258	998/561	907/510			
		53685/40264	917/516	816/459			
		56350/42263	808/455	697/392			
		59046/44285	673/379	551/310			
		61536/46152	532/299	399/224			
SWF-IV-12b	960/720	53956/40467	1133/637	1031/580	25/12	92/88	657
		57250/42938	1081/608	966/543			
		60306/45230	1018/573	891/501			
		63258/47444	943/530	803/452			
		66150/49613	848/477	695/391			
		68858/51644	737/415	571/321			
		71360/53520	608/342	430/242			
SWF-IV-13	960/720	76280/57210	1100/619	952/536	30/15	93/89	694
		80386/60290	1060/596	895/503			
		84386/63290	1005/565	824/464			
		87960/65970	937/527	740/416			
		91667/68750	848/477	634/357			
		95150/71363	746/420	515/290			
		98405/73804	631/355	384/216			
SWF-IV-14	960/720	72855/54641	1259/708	1158/651	37/22	95/91	855
		80020/60015	1227/690	1105/622			
		87020/65265	1177/662	1033/581			
		93500/70125	1107/623	941/529			
		99551/74663	1019/573	831/467			
		105821/79366	900/506	687/386			
		111830/83873	758/426	521/293			

Catalogue descriptions
四、样本说明

The performance of each type of fan at different speeds is represented by a set of curves.

The bold curves represent the performance of direct driven fan (the impeller is directly connected with the motor), and the letters a, b, c, etc. shall be added to the impeller diameter of type III and IV for distinguishing.

The thin curves represent the fan with belt connection or variable frequency motor, the desired speed can be obtained by selecting the ratio of belt pulley diameter or frequency conversion adjustment, and the motors with 2, 4 and 6 poles are generally used.

The curves show the performance of the fan under standard conditions. If the working conditions are different from the standard conditions, the conversion shall be made according to the relevant formulas.

The shaft power curve shows the actual power consumption of the fan.

The sound pressure level curves represent the A sound level at fan outlet, and the values in the catalogue are the noise under the working conditions of the maximum efficiency.

Note: when ordering fans, please specify the installation place, indoor or outdoor, the fans used in outdoor shall be marked with positive pressure air supply or exhaust, and the junction box, facing the left or right side of the fan outlet.

每个型号风机由一簇曲线表示不同转速下的性能。

粗曲线代表风机为直联型（即叶轮与电机直接联接）时的性能，Ⅲ、Ⅳ型应在叶轮直径后小写字母 a、b、c...来区分。

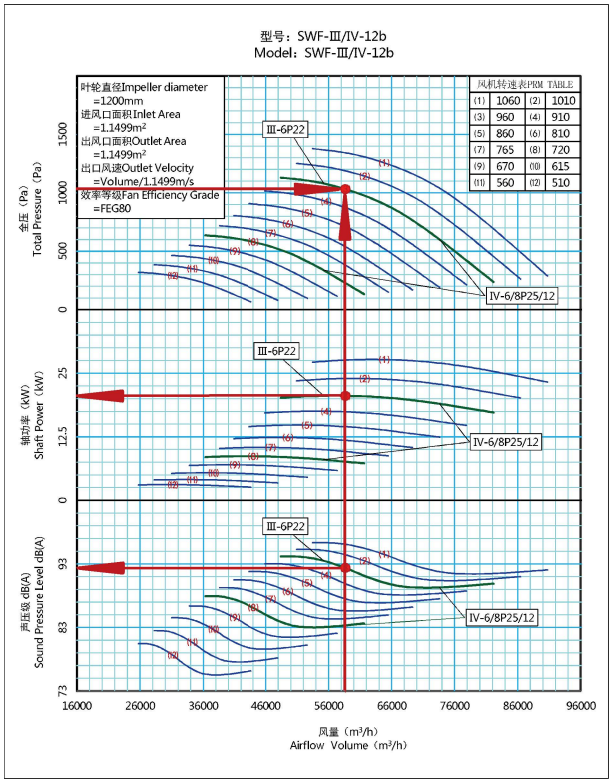
细曲线代表风机使用皮带连接或变频电机，通过选择皮带轮直径配比或变频调节来得到所需转速，而电机总是采用 2、4、6 极的。

曲线显示为风机在标准状态下的性能，当使用条件与标准状态有不同时应按有关公式换算。

轴功率曲线显示风机实际耗用的电能。

声压级曲线显示为风机出风口 A 声级，样本值为最高效率工况的噪声。

注：订货时请说明安装位置在室内或室外，室外风机注明正压送风或排风，接线盒位于面对出风口左侧或右侧。



Example of selection: SWF-Ⅲ-12b (airflow volume 58656m³/h and pressure 1033Pa)

a. make a vertical line from the given airflow volume (58656m³/h) and a horizontal line from the given pressure (1033Pa), the intersection point of these two lines is the working condition point, and find the performance curve (the green bold line for direct drive type only) nearest to the working condition point, number (3) in the graph, so the rotational speed is 960 rpm refer to the PRM table.

b. make a horizontal line from the intersection point of the vertical line of airflow volume and the shaft power curve with the same number, and the intersection of this line and the shaft power coordinate is the actual power consumption, about 20.6kW, and a 22kW motor shall be selected according to this power.

c. make a horizontal line from the intersection point of the vertical line of airflow volume and the noise curve with the same number, and the intersection of this line and the noise coordinate is the A sound pressure level, about 92.5dB(A);

d. if the working condition point is below the curve selected, the performance is positive deviation with margin. If the working condition point is above the curve selected, the performance is negative deviation. The deviation shall meet the requirements and if it is too large, the fan type shall be adjusted.

选型举例：SWF-Ⅲ-12b 风量 58656m³/h　压力 1033Pa

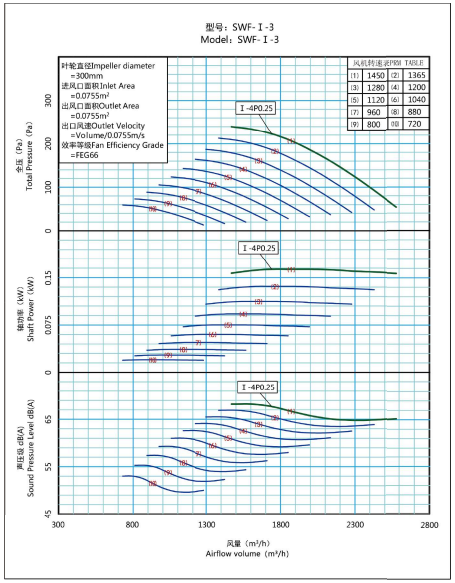
a、从风量坐标 58656m³/h 出发作垂直线，压力坐标 1033Pa 出发作水平线，其交点即为“工作点”，寻找离该点最接近的性能曲线（直联型仅绿色加粗线），即图示编号（3），其转速对应转速表为 960rpm；

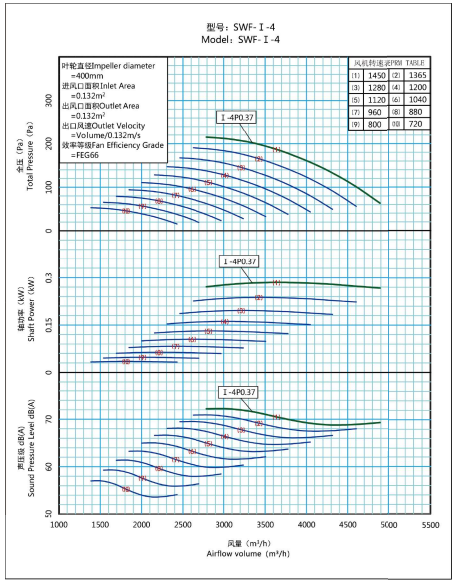
b、从风量垂直线与相同编号的轴功率曲线交点出发作水平线，交于轴功率坐标，约为 20.6kW 即为实需功耗，根据此功率应选择 22kW 电机；

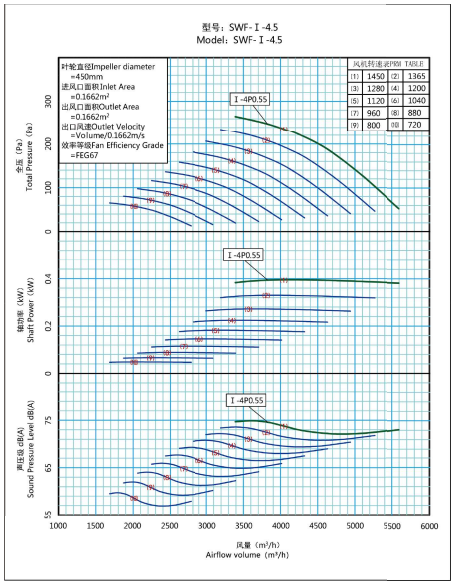
c、从风量垂直线与相同编号的噪声曲线交点出发作水平线，交于噪声坐标，约为 92.5dB(A)，即为 A 声压级；

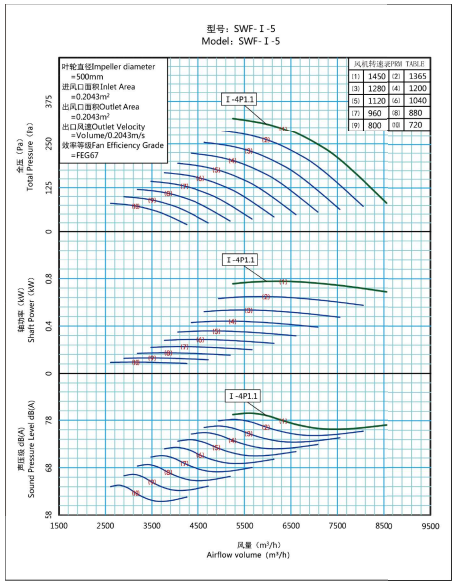
d、若“工作点”在选择曲线的下方，说明性能为正偏差有余量，在选择曲线的上方，说明性能为负偏差。偏差应符合要求，过大时应调整风机的型号，提高性价比。

Performance curves
五、产品性能曲线

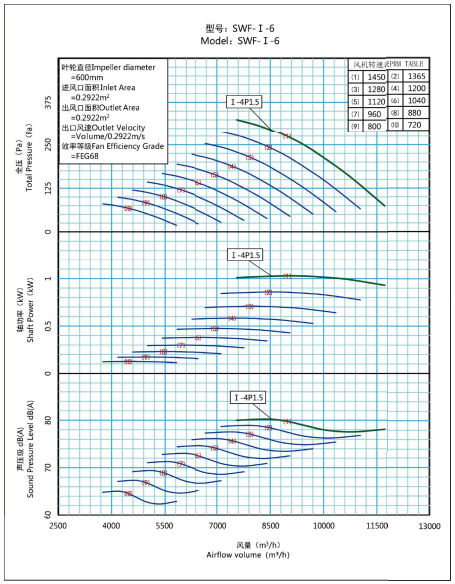




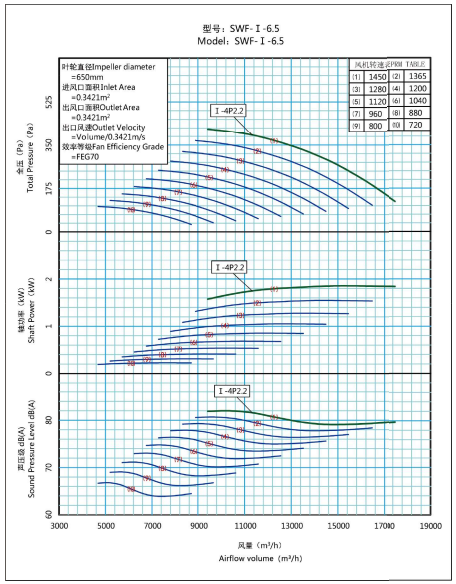




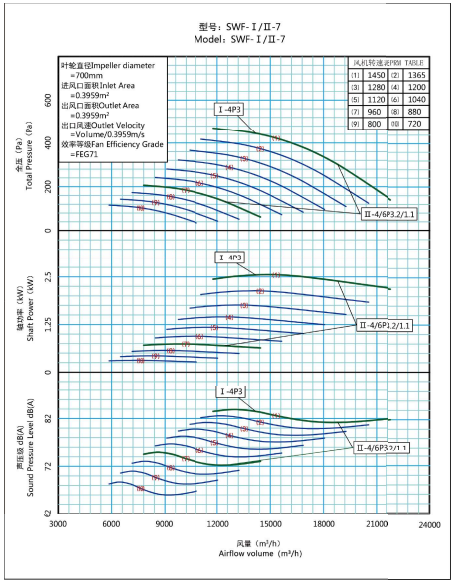
型号：SWF-Ⅰ-6
Model：SWF-Ⅰ-6



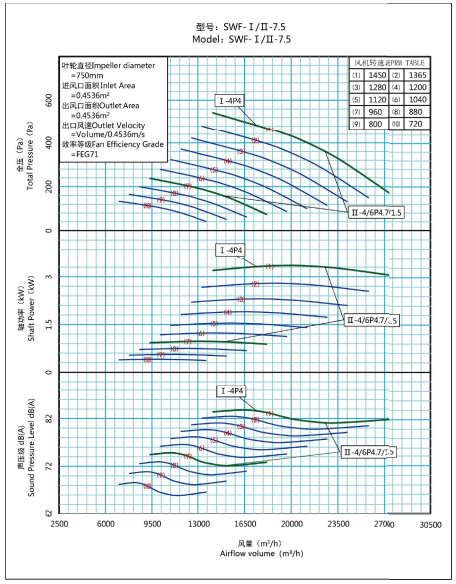
型号：SWF-Ⅰ-6.5
Model：SWF-Ⅰ-6.5



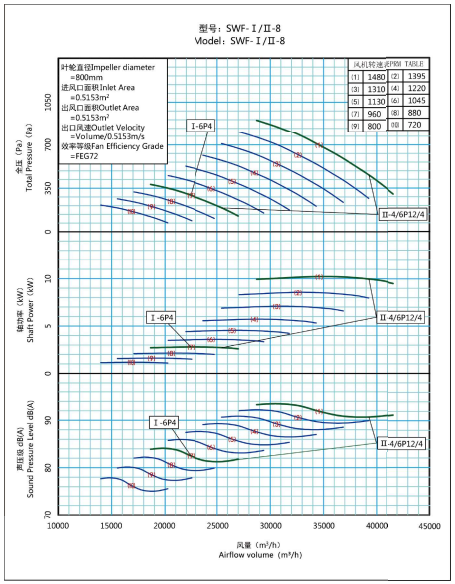
型号：SWF-Ⅰ/Ⅱ-7
Model：SWF-Ⅰ/Ⅱ-7



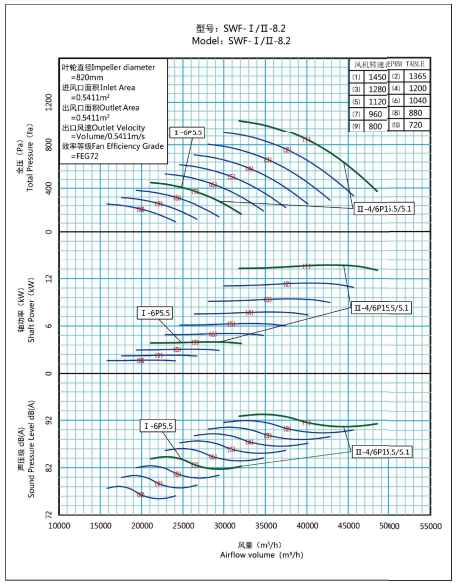
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Model：SWF-Ⅰ/Ⅱ-7.5



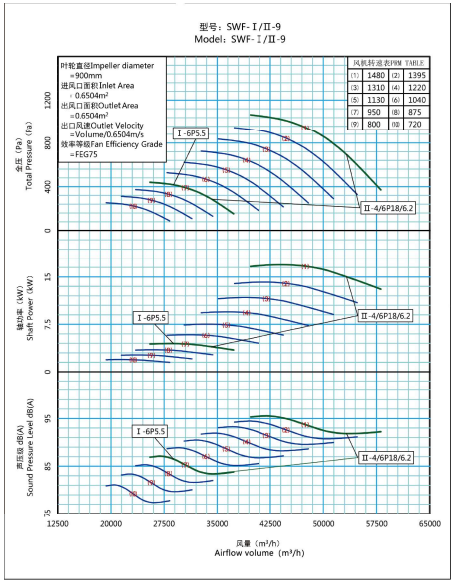
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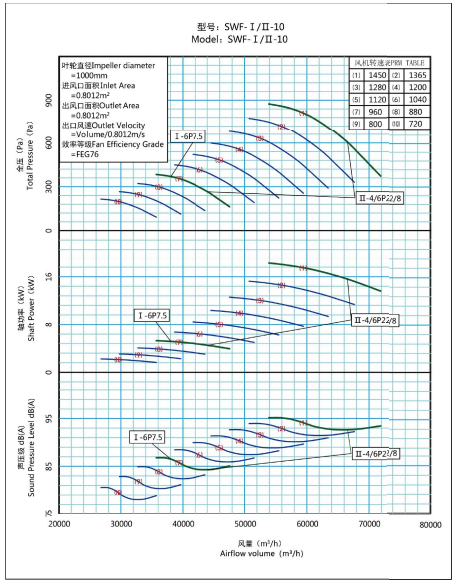
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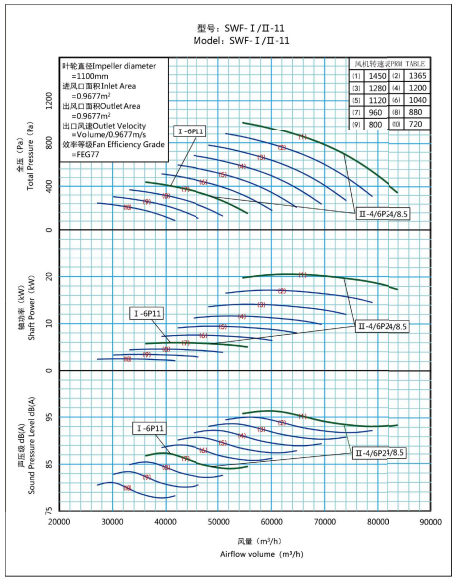
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Model：SWF-Ⅰ/Ⅱ-9



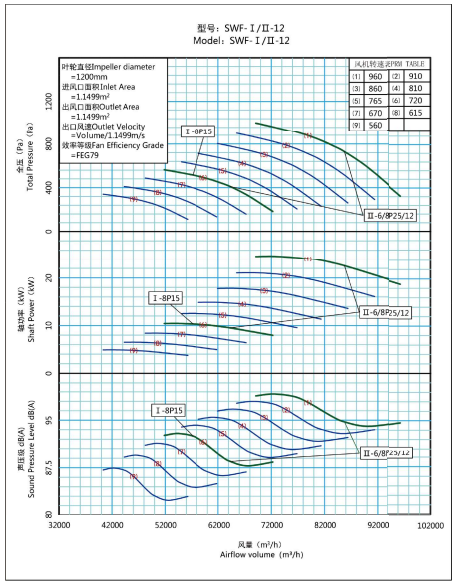
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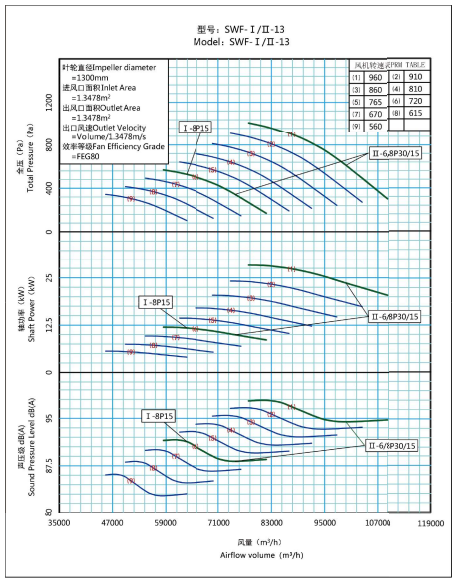
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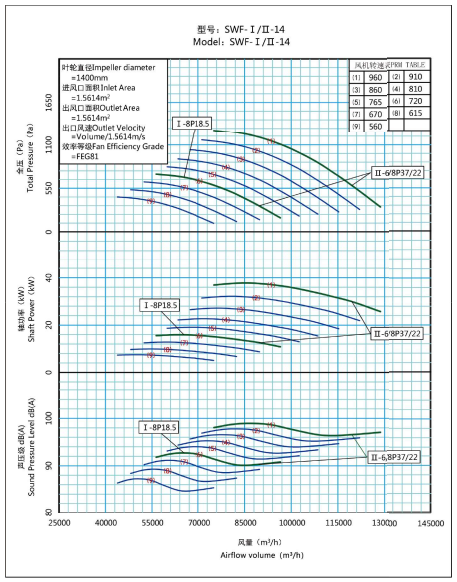
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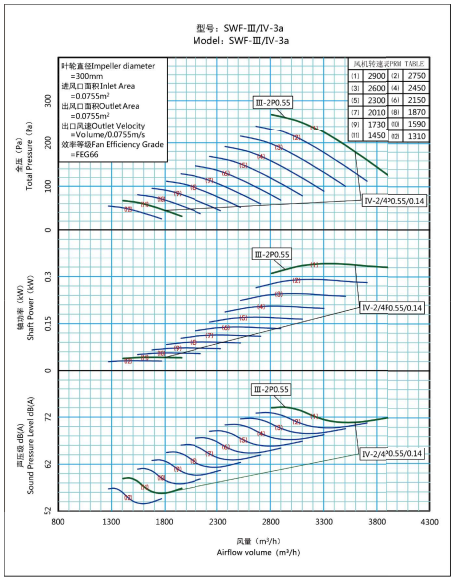
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Model：SWF-Ⅰ/Ⅱ-13



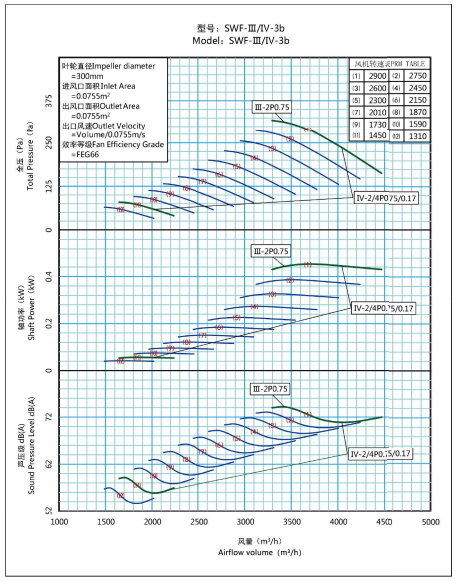
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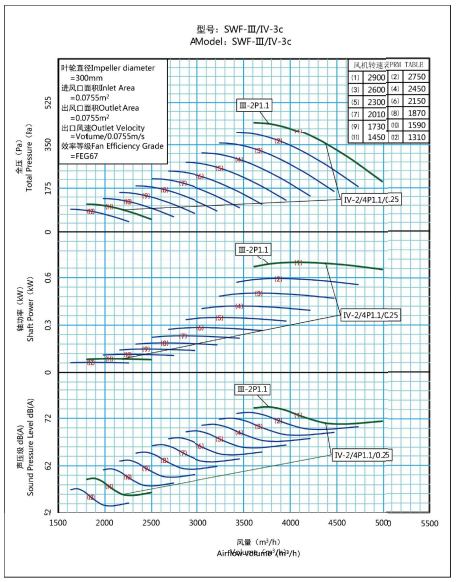
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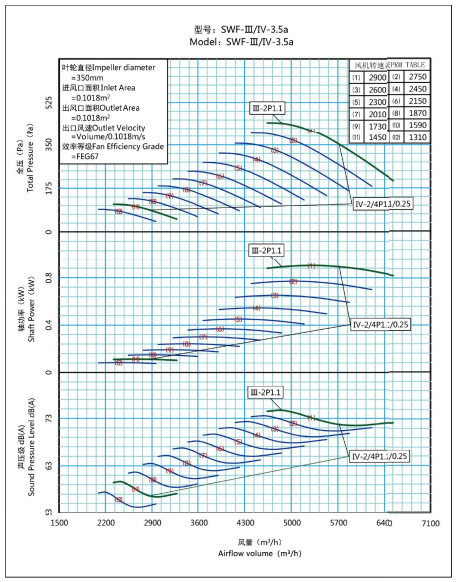
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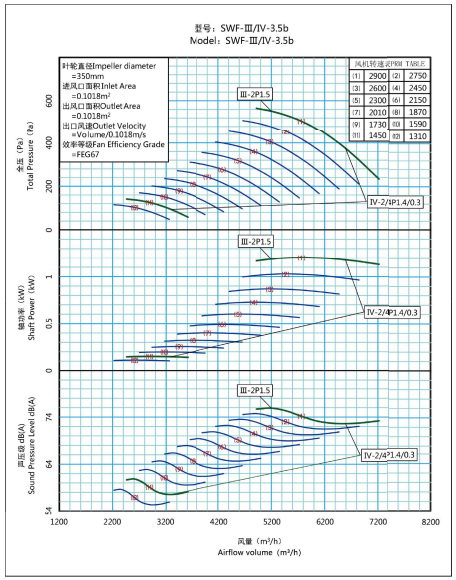
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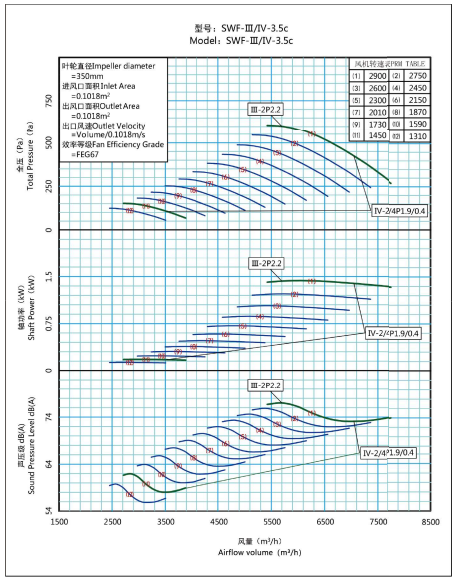
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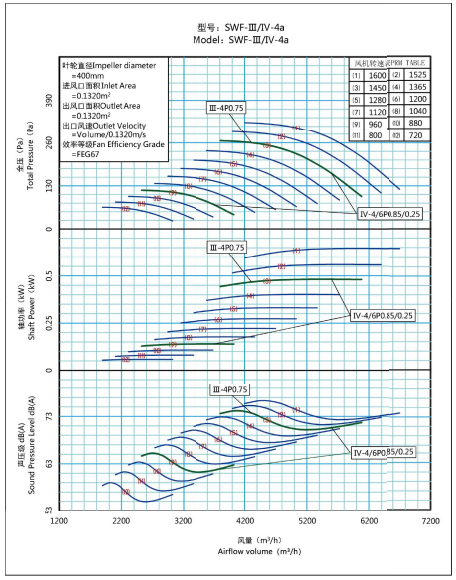
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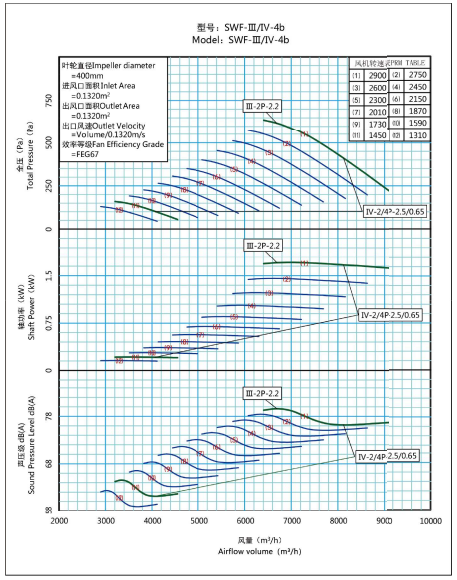
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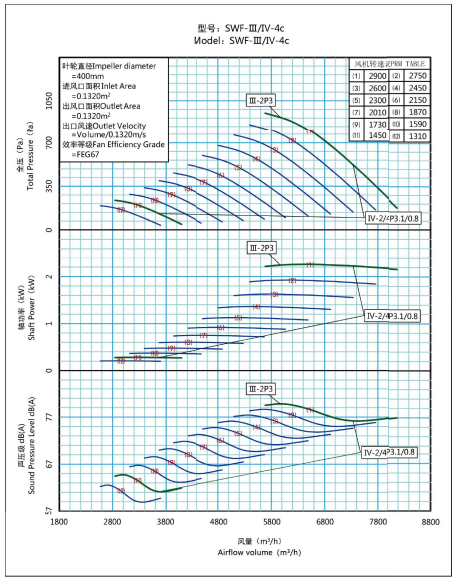
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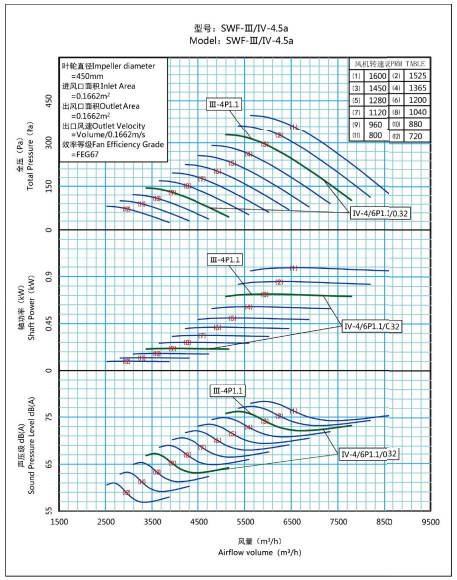
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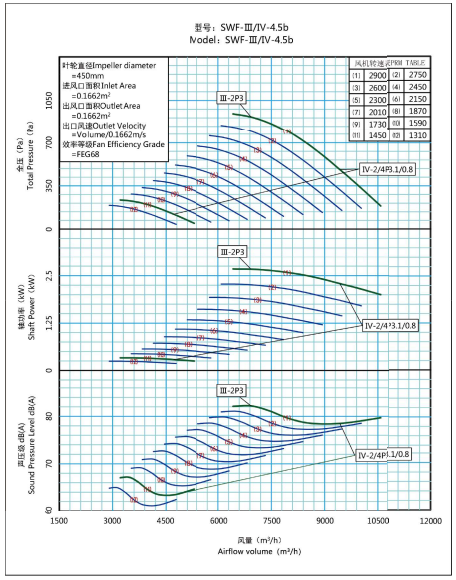
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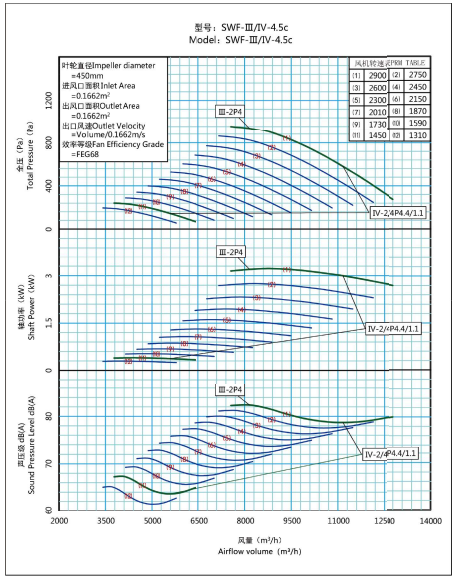
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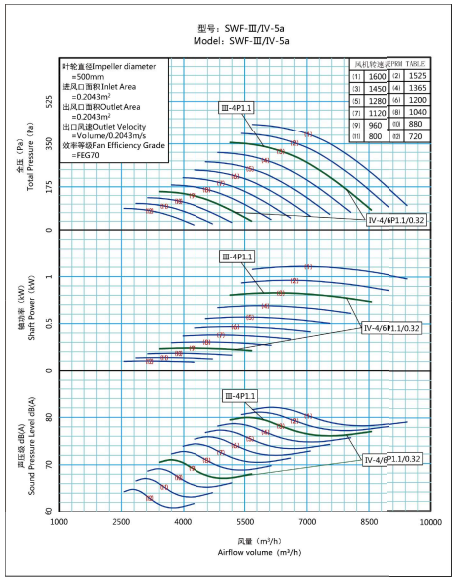
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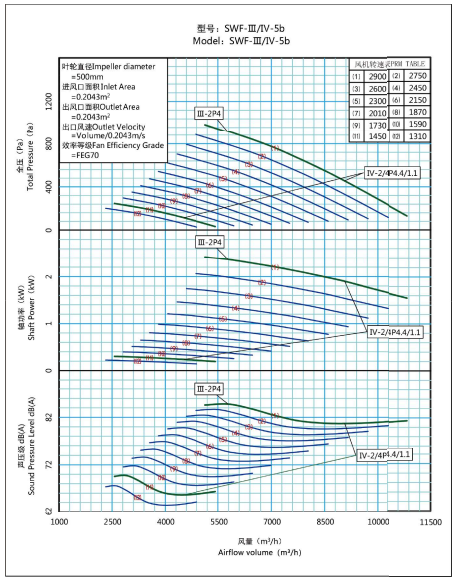
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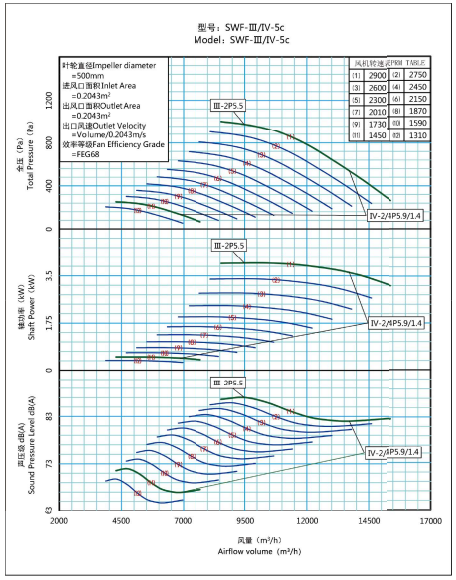
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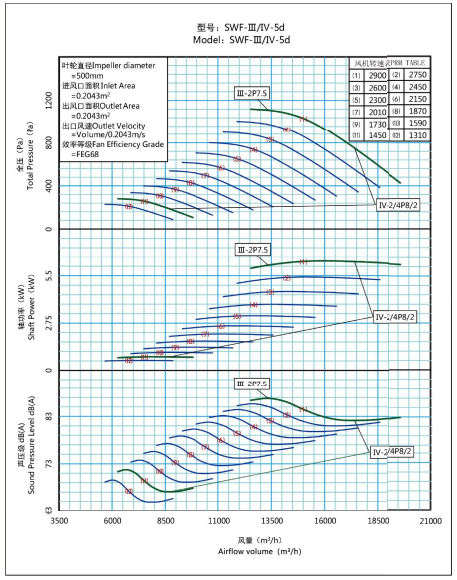
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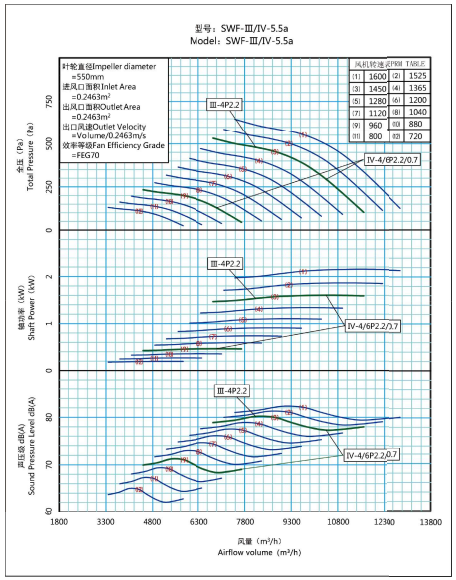
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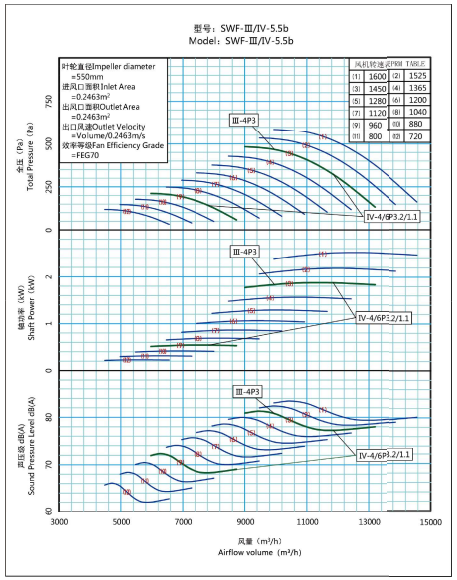
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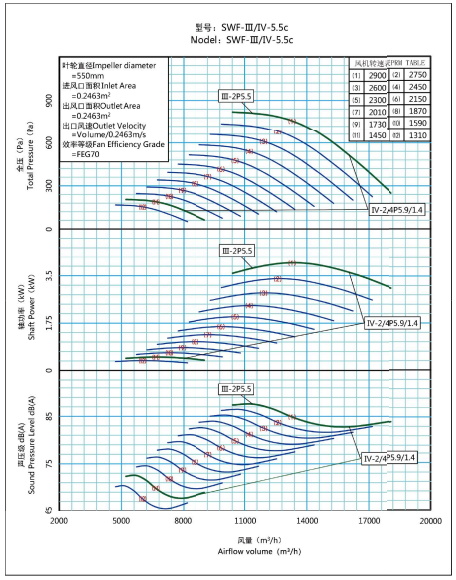
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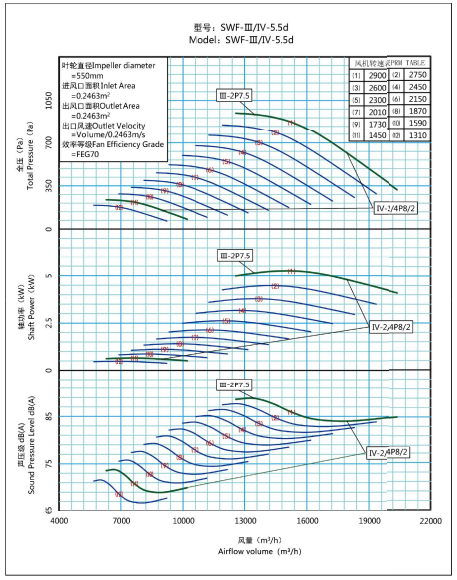
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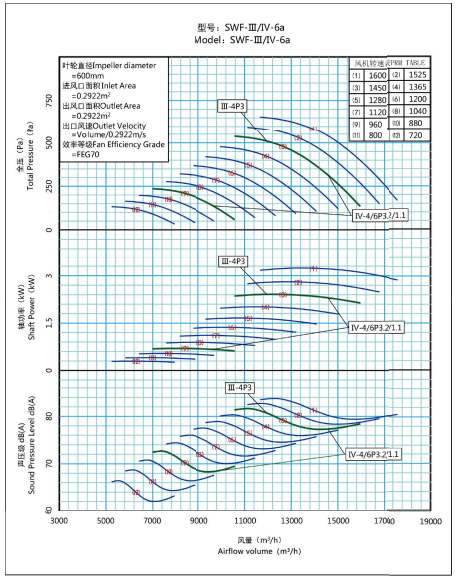
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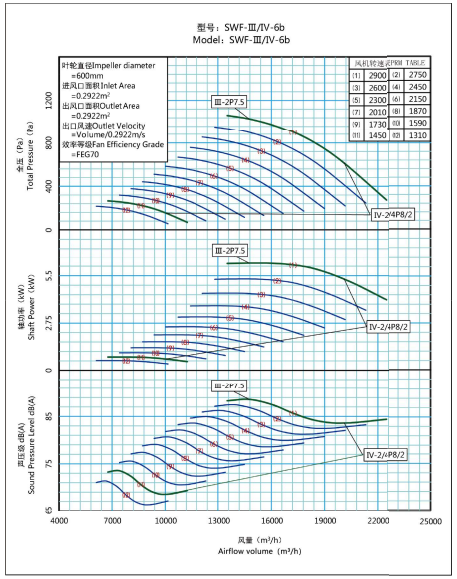
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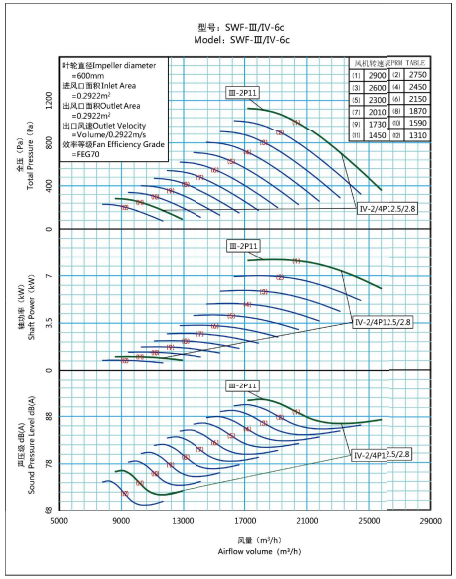
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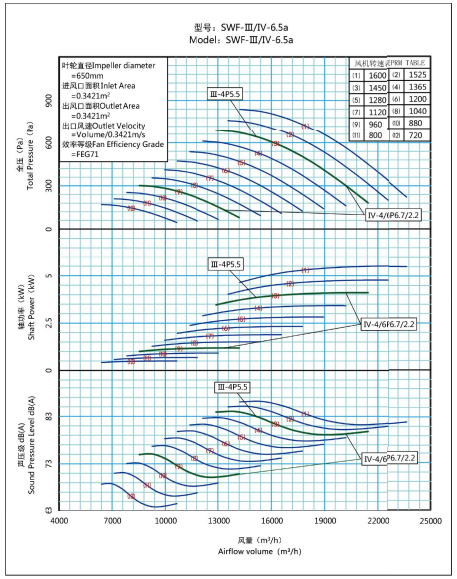
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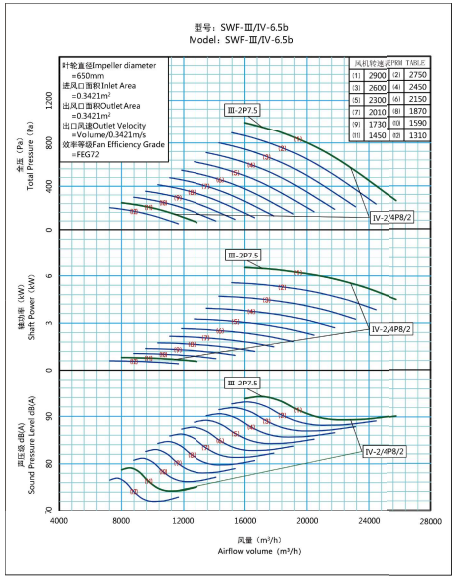
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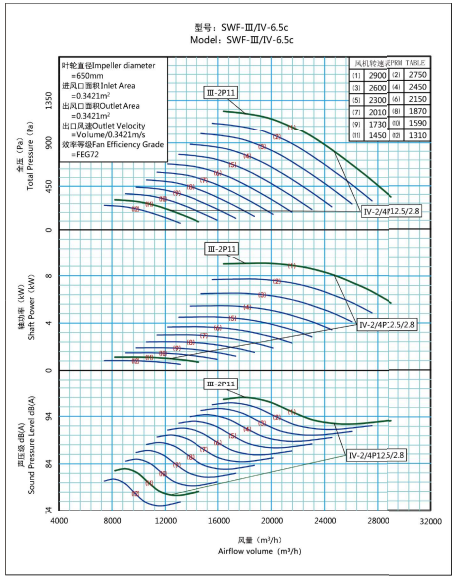
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Model：SWF-Ⅲ/Ⅳ-6.5a



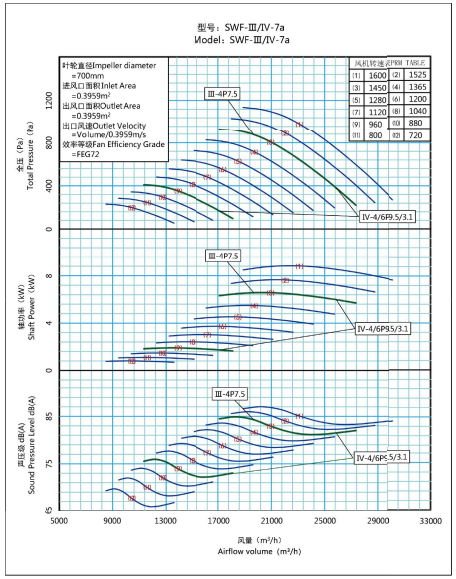
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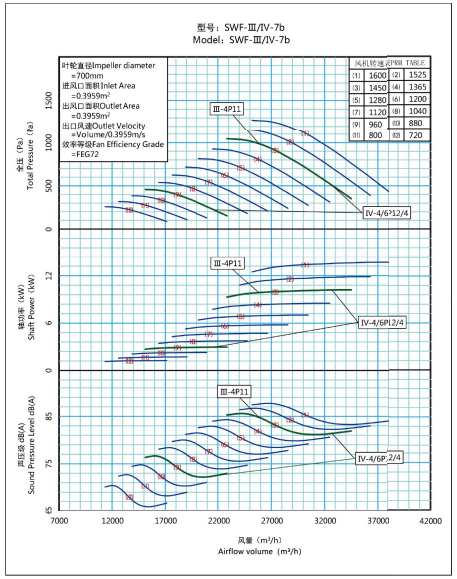
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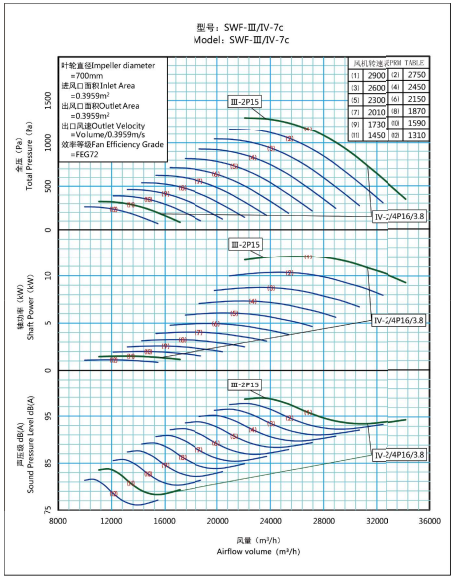
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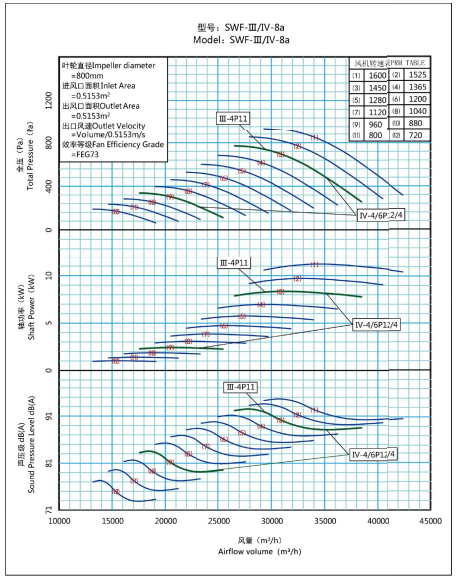
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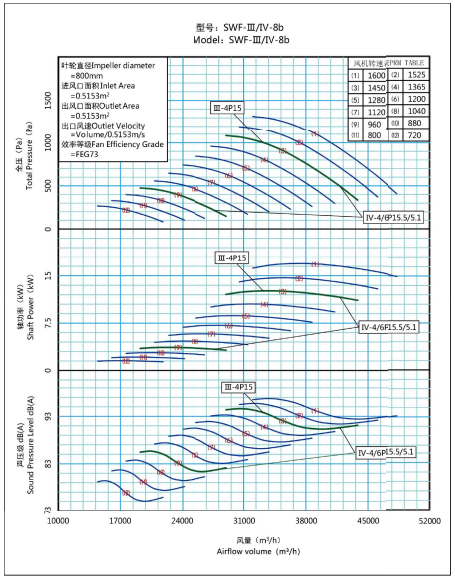
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Model：SWF-Ⅲ/Ⅳ-7c



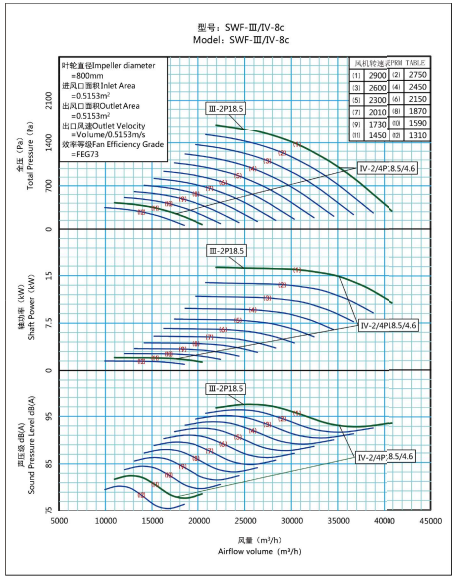
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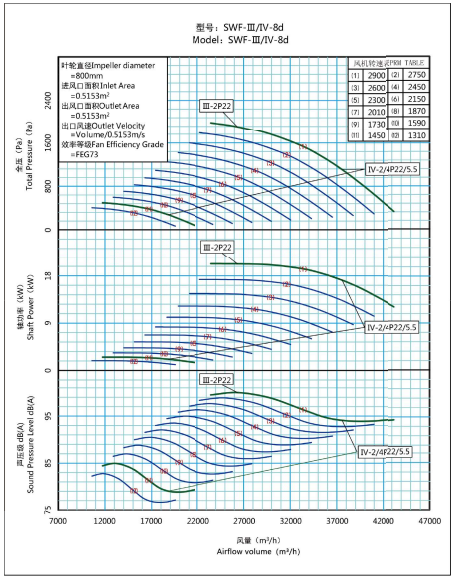
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Model：SWF-Ⅲ/Ⅳ-8b



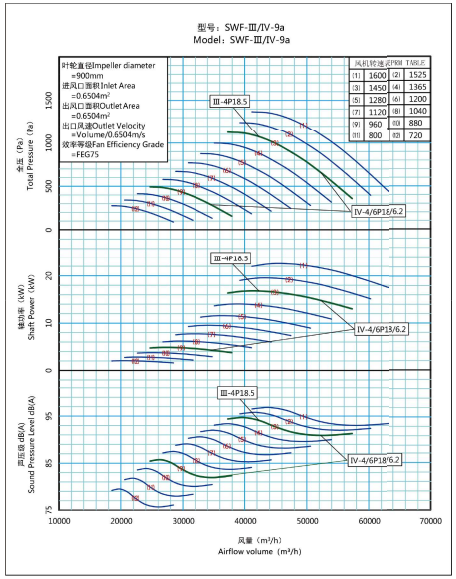
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Model：SWF-Ⅲ/Ⅳ-8c



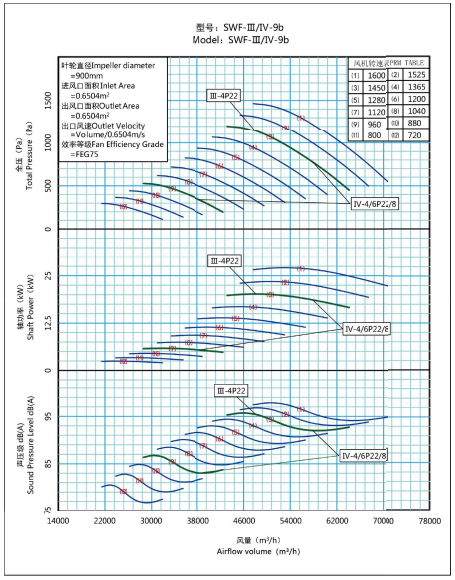
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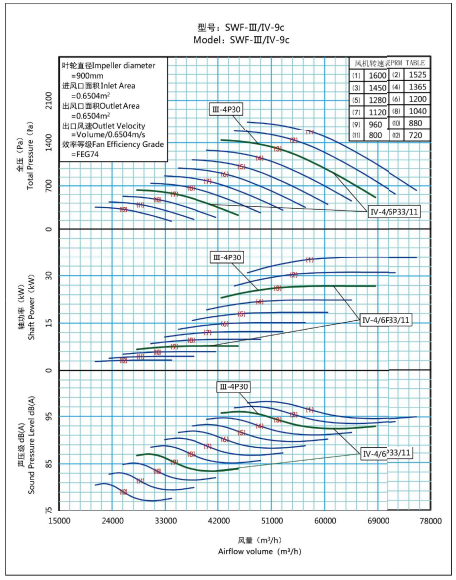
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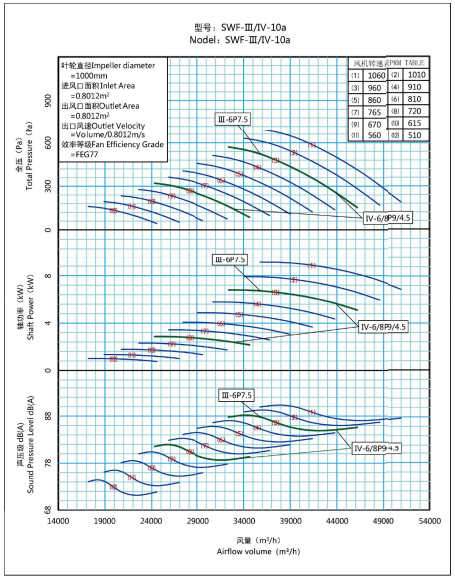
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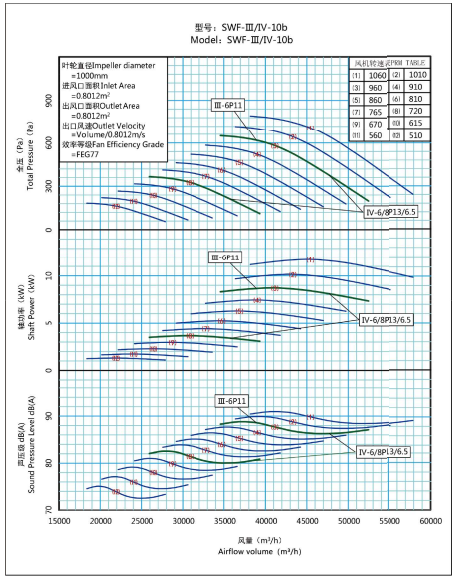
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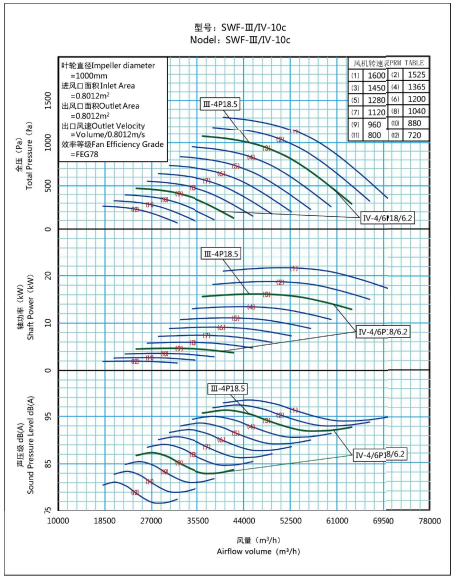
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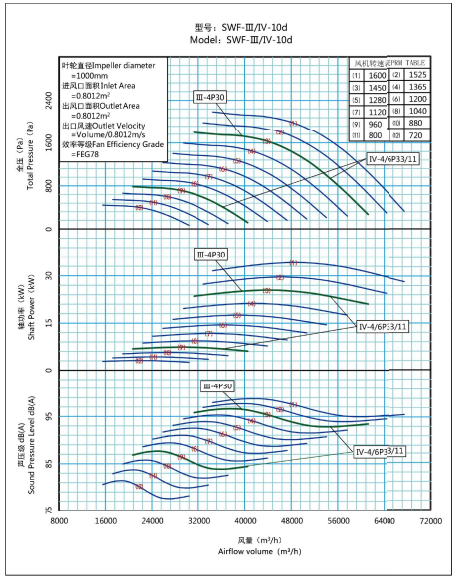
型号：SWF-Ⅲ/Ⅳ-10b
Model：SWF-Ⅲ/Ⅳ-10b



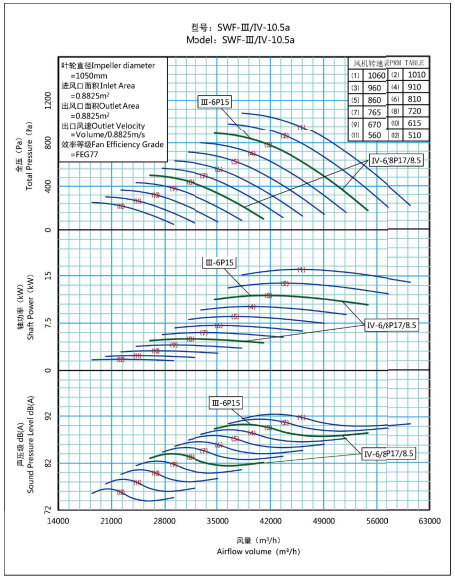
型号：SWF-Ⅲ/Ⅳ-10c
Model：SWF-Ⅲ/Ⅳ-10c



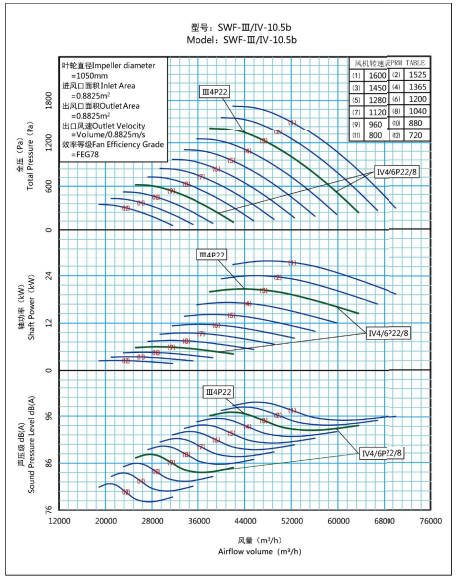
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Model：SWF-Ⅲ/Ⅳ-10d



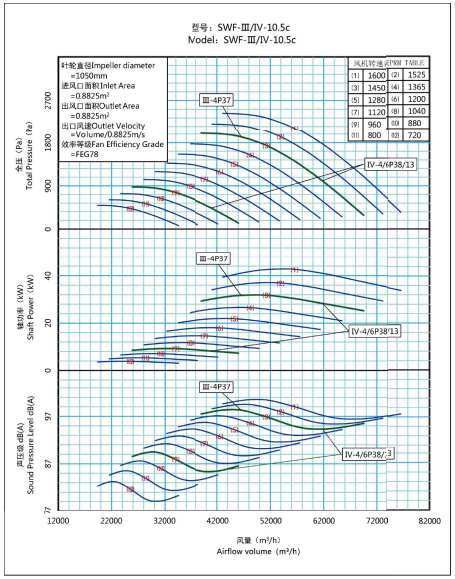
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Model：SWF-Ⅲ/Ⅳ-10.5a



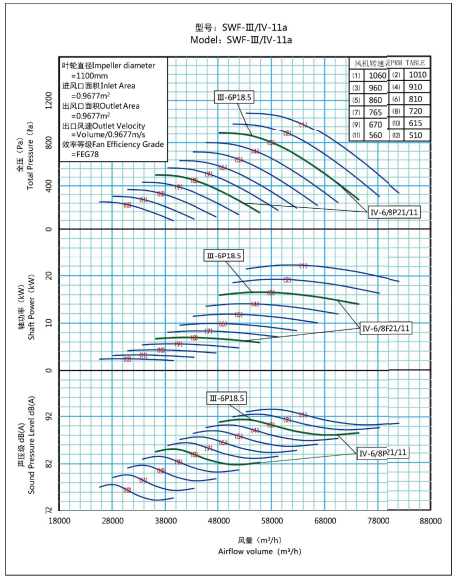
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Model：SWF-Ⅲ/Ⅳ-10.5b



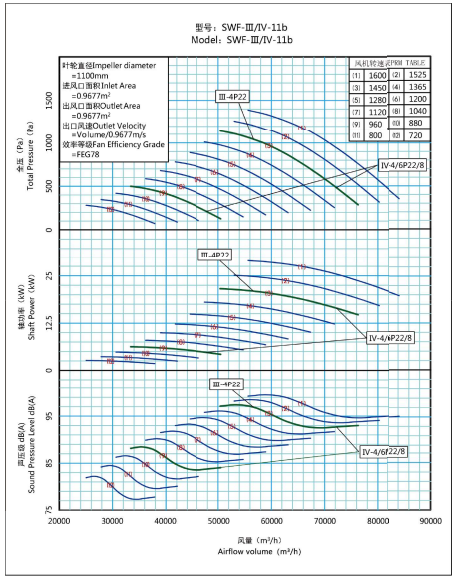
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Model：SWF-Ⅲ/Ⅳ-10.5c



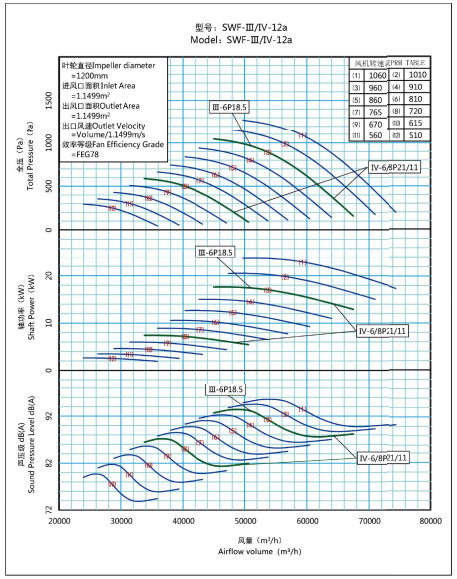
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Model：SWF-Ⅲ/Ⅳ-11a



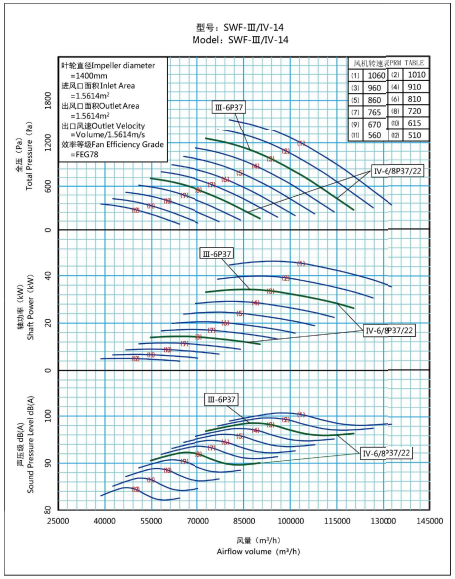
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Model：SWF-Ⅲ/IV-11b



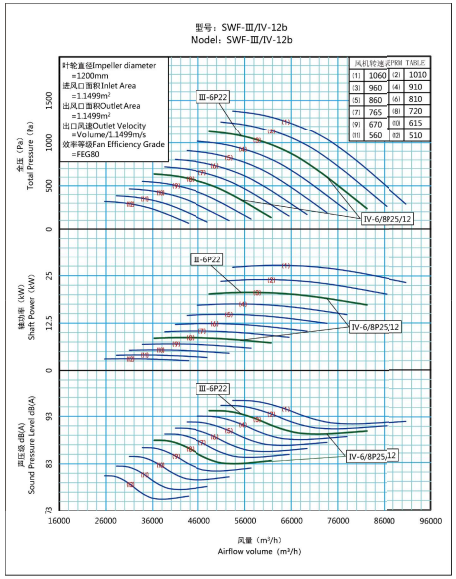
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Model：SWF-Ⅲ/IV-12a



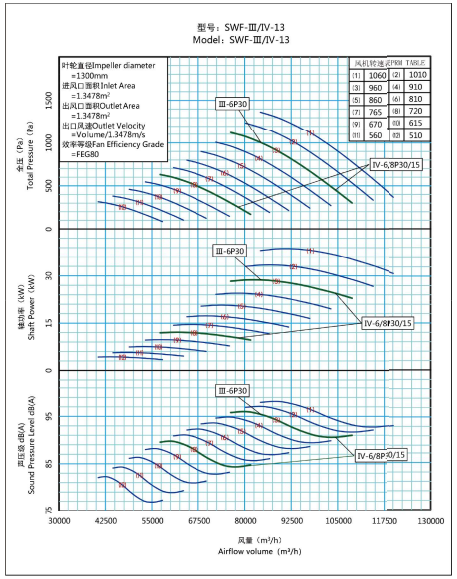
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Model：SWF-Ⅲ/IV-14



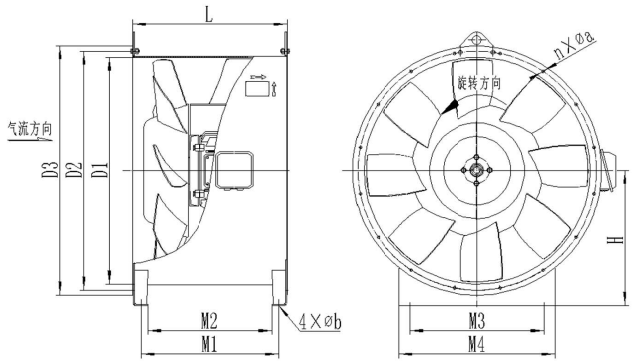
型号：SWF-Ⅲ/IV-12b
Model：SWF-Ⅲ/IV-12b



型号：SWF-Ⅲ/IV-13
Model：SWF-Ⅲ/IV-13



Outline dimension
六、外形尺寸图表



Outline dimension drawing of SWF fan SWF外形尺寸图

Outline dimensions of SWF-Ⅰ SWF-Ⅰ外形尺寸表

型号 Model	电机 Motor	D1	D2	D3	M1	M2	M3	M4	L	H	n×Φa	4×Φb	kg
3	4P0.25	310	345	370	305	265	200	250	360	205	8×Φ8.5	4×Φ11	25
4	4P0.37	410	455	490	280	230	300	350	340	260	8×Φ10.5	4×Φ11	32
4.5	4P0.55	460	505	540	280	230	350	400	340	290	8×Φ10.5	4×Φ11	42
5	4P1.1	510	555	590	340	290	350	400	400	315	8×Φ10.5	4×Φ11	56
6	4P1.5	610	655	690	340	290	400	500	400	375	12×Φ10.5	4×Φ15	74
6.5	4P2.2	660	710	750	400	350	400	500	460	400	12×Φ10.5	4×Φ15	92
7	4P3	710	760	800	400	350	500	600	460	425	12×Φ10.5	4×Φ15	100
7.5	4P4	760	810	850	400	350	500	600	460	450	12×Φ10.5	4×Φ15	110
8	6P4	810	860	900	530	480	500	600	590	485	12×Φ10.5	4×Φ15	175
9	6P5.5	910	965	1010	505	445	600	700	580	545	16×Φ12.5	4×Φ19	209
10	6P7.5	1010	1065	1110	625	565	600	700	700	600	16×Φ12.5	4×Φ19	263
11	6P11	1110	1165	1210	685	625	700	800	760	650	16×Φ12.5	4×Φ19	329
12	8P15	1210	1270	1320	800	720	800	900	900	700	20×Φ12.5	4×Φ19	554
13	8P15	1310	1370	1420	800	720	850	950	900	750	20×Φ12.5	4×Φ21	584
14	8P18.5	1410	1470	1520	880	800	900	1000	980	800	20×Φ12.5	4×Φ21	666

Outline dimensions of SWF-Ⅱ SWF-Ⅱ外形尺寸表

型号 Model	电机 Motor	D1	D2	D3	M1	M2	M3	M4	L	H	n×Φa	4×Φb	kg
7	4/6P3.2/1.1	710	760	800	400	350	500	600	460	425	12×Φ10.5	4×Φ15	112
7.5	4/6P4.7/1.5	760	810	850	470	420	500	600	530	450	12×Φ10.5	4×Φ15	134
8	4/6P12/4	810	860	900	710	660	500	600	770	485	12×Φ10.5	4×Φ15	265
8.2	4/6P15.5/5.1	830	880	920	790	740	500	600	850	495	12×Φ10.5	4×Φ15	298
9	4/6P18/6.2	910	965	1010	765	705	600	700	840	545	16×Φ12.5	4×Φ19	351
10	4/6P22/8	1010	1065	1110	835	775	600	700	910	600	16×Φ12.5	4×Φ19	419
11	4/6P24/8.5	1110	1165	1210	835	775	700	800	910	650	16×Φ12.5	4×Φ19	486
12	6/8P25/12	1210	1270	1320	880	800	800	900	980	700	20×Φ12.5	4×Φ19	631
13	6/8P30/15	1310	1370	1420	880	800	850	950	980	750	20×Φ12.5	4×Φ21	705
14	6/8P37/18	1410	1470	1520	960	880	900	1000	1060	800	20×Φ12.5	4×Φ21	801

Outline dimensions of SWF-Ⅲ SWF-Ⅲ外形尺寸表

型号 Model	电机 Motor	D1	D2	D3	M1	M2	M3	M4	L	H	n×Φa	4×Φb	kg
3a	2P0.55	310	345	370	305	265	200	250	360	205	8×Φ8.5	4×Φ11	34
3b	2P0.75	310	345	370	305	265	200	250	360	205	8×Φ8.5	4×Φ11	34
3c	2P1.1	310	345	370	305	265	200	250	360	205	8×Φ8.5	4×Φ11	38
3.5a	2P1.1	360	400	430	295	255	250	300	350	235	8×Φ8.5	4×Φ11	41
3.5b	2P1.5	360	400	430	355	315	250	300	410	235	8×Φ8.5	4×Φ11	49
3.5c	2P2.2	360	400	430	355	315	250	300	410	235	8×Φ8.5	4×Φ11	49
4a	4P0.75	410	455	490	280	230	300	350	340	260	8×Φ10.5	4×Φ11	50
4b	2P2.2	410	455	490	340	290	300	350	400	260	8×Φ10.5	4×Φ11	59
4c	2P3	410	455	490	410	360	300	350	470	260	8×Φ10.5	4×Φ11	54
4.5a	4P1.1	460	505	540	340	290	350	400	400	290	8×Φ10.5	4×Φ11	64
4.5b	2P3	460	505	540	410	360	350	400	470	290	8×Φ10.5	4×Φ11	72
4.5c	2P4	460	505	540	410	360	350	400	470	290	8×Φ10.5	4×Φ11	79
5a	4P1.1	510	555	590	340	290	350	400	400	315	8×Φ10.5	4×Φ11	59
5b	2P4	510	555	590	410	360	350	400	470	315	8×Φ10.5	4×Φ11	88
5c	2P5.5	510	555	590	480	430	350	400	540	315	8×Φ10.5	4×Φ11	109
5d	2P7.5	510	555	590	480	430	350	400	540	315	8×Φ10.5	4×Φ11	128
5.5a	4P2.2	560	605	640	410	360	350	450	470	350	8×Φ10.5	4×Φ15	83
5.5b	4P3	560	605	640	410	360	350	450	470	350	8×Φ10.5	4×Φ15	101
5.5c	2P5.5	560	605	640	480	430	350	450	540	350	8×Φ10.5	4×Φ15	115
5.5d	2P7.5	560	605	640	480	430	350	450	540	350	8×Φ10.5	4×Φ15	136
6a	4P3	610	655	690	410	360	400	500	470	375	12×Φ10.5	4×Φ15	109
6b	2P7.5	610	655	690	480	430	400	500	540	375	12×Φ10.5	4×Φ15	145
6c	2P11	610	655	690	660	610	400	500	720	375	12×Φ10.5	4×Φ15	190
6.5a	4P5.5	660	710	750	470	420	400	500	530	400	12×Φ10.5	4×Φ15	180
6.5b	2P7.5	660	710	750	470	420	400	500	530	400	12×Φ10.5	4×Φ15	156
6.5c	2P11	660	710	750	650	600	400	500	710	400	12×Φ10.5	4×Φ15	198
7a	4P7.5	710	760	800	530	480	500	600	590	425	12×Φ10.5	4×Φ15	233
7b	4P11	710	760	800	650	600	500	600	710	425	12×Φ10.5	4×Φ15	262
7c	2P15	710	760	800	650	600	500	600	710	425	12×Φ10.5	4×Φ15	246
8a	4P11	810	860	900	650	600	500	600	710	485	12×Φ10.5	4×Φ15	283
8b	4P15	810	860	900	710	660	500	600	770	485	12×Φ10.5	4×Φ15	330
8c	2P18.5	810	860	900	710	660	500	600	770	485	12×Φ10.5	4×Φ15	323
8d	2P22	810	860	900	790	740	500	600	850	485	12×Φ10.5	4×Φ15	342
9a	4P18.5	910	965	1010	765	705	600	700	840	545	16×Φ12.5	4×Φ19	397
9b	4P22	910	965	1010	765	705	600	700	840	545	16×Φ12.5	4×Φ19	472
9c	4P30	910	965	1010	835	775	600	700	910	545	16×Φ12.5	4×Φ19	544
10a	6P7.5	1010	1065	1110	625	565	600	700	700	600	16×Φ12.5	4×Φ19	342
10b	6P11	1010	1065	1110	685	625	600	700	760	600	16×Φ12.5	4×Φ19	406
10c	4P18.5	1010	1065	1110	765	705	600	700	840	600	16×Φ12.5	4×Φ19	413
10d	4P30	1010	1065	1110	835	775	600	700	910	600	16×Φ12.5	4×Φ19	587
10.5a	6P15	1060	1115	1160	765	705	650	750	840	625	16×Φ12.5	4×Φ19	508
10.5b	4P22	1060	1115	1160	765	705	650	750	840	625	16×Φ12.5	4×Φ19	497
10.5c	4P37	1060	1115	1160	915	855	650	750	990	625	16×Φ12.5	4×Φ19	679
11a	6P18.5	1110	1165	1210	835	775	700	800	910	650	16×Φ12.5	4×Φ19	557
11b	4P22	1110	1165	1210	765	705	700	800	840	650	16×Φ12.5	4×Φ19	534
12a	6P18.5	1210	1270	1320	800	720	800	900	900	700	20×Φ12.5	4×Φ19	617
12b	6P22	1210	1270	1320	800	720	800	900	900	700	20×Φ12.5	4×Φ19	694
13	6P30	1310	1370	1420	880	800	850	950	980	750	20×Φ12.5	4×Φ21	718
14	6P37	1410	1470	1520	960	880	900	1000	1060	800	20×Φ12.5	4×Φ21	856

Outline dimensions of SWF-IV SWF-IV外形尺寸表

型号 Model	电机 Motor	D1	D2	D3	M1	M2	M3	M4	L	H	n×Φa	4×Φb	kg
3a	2/4P0.55/0.14	310	345	370	305	265	200	250	360	205	8×Φ8.5	4×Φ11	36
3b	2/4P0.75/0.17	310	345	370	305	265	200	250	360	205	8×Φ8.5	4×Φ11	34
3c	2/4P1.1/0.25	310	345	370	365	325	200	250	420	205	8×Φ8.5	4×Φ11	41
3.5a	2/4P1.1/0.25	360	400	430	355	315	250	300	410	235	8×Φ8.5	4×Φ11	44
3.5b	2/4P1.4/0.3	360	400	430	355	315	250	300	410	235	8×Φ8.5	4×Φ11	52
3.5c	2/4P1.9/0.4	360	400	430	355	315	250	300	410	235	8×Φ8.5	4×Φ11	49
4a	4/6P0.85/0.25	410	455	490	340	290	300	350	400	260	8×Φ10.5	4×Φ11	51
4b	2/4P2.5/0.65	410	455	490	410	360	300	350	470	260	8×Φ10.5	4×Φ11	67
4c	2/4P3.1/0.8	410	455	490	410	360	300	350	470	260	8×Φ10.5	4×Φ11	56
4.5a	4/6P1.1/0.32	460	505	540	340	290	350	400	400	290	8×Φ10.5	4×Φ11	66
4.5b	2/4P3.1/0.8	460	505	540	410	360	350	400	470	290	8×Φ10.5	4×Φ11	74
4.5c	2/4P4.4/1.1	460	505	540	410	360	350	400	470	290	8×Φ10.5	4×Φ11	79
5a	4/6P1.1/0.32	510	555	590	340	290	350	400	400	315	8×Φ10.5	4×Φ11	61
5b	2/4P4.4/1.1	510	555	590	410	360	350	400	470	315	8×Φ10.5	4×Φ11	88
5c	2/4P5.9/1.4	510	555	590	480	430	350	400	540	315	8×Φ10.5	4×Φ11	113
5d	2/4P8/2	510	555	590	540	490	350	400	600	315	8×Φ10.5	4×Φ11	142
5.5a	4/6P2.2/0.7	560	605	640	410	360	350	450	470	350	8×Φ10.5	4×Φ15	83
5.5b	4/6P3.2/1.1	560	605	640	410	360	350	450	470	350	8×Φ10.5	4×Φ15	110
5.5c	2/4P5.9/1.4	560	605	640	480	430	350	450	540	350	8×Φ10.5	4×Φ15	119
5.5d	2/4P8/2	560	605	640	540	490	350	450	600	350	8×Φ10.5	4×Φ15	150
6a	4/6P3.2/1.1	610	655	690	410	360	400	500	470	375	12×Φ10.5	4×Φ15	119
6b	2/4P8/2	610	655	690	540	490	400	500	600	375	12×Φ10.5	4×Φ15	160
6c	2/4P12.5/2.8	610	655	690	660	610	400	500	720	375	12×Φ10.5	4×Φ15	196
6.5a	4/6P6.7/2.2	660	710	750	530	480	400	500	590	400	12×Φ10.5	4×Φ15	198
6.5b	2/4P8/2	660	710	750	530	480	400	500	590	400	12×Φ10.5	4×Φ15	173
6.5c	2/4P12.5/2.8	660	710	750	650	600	400	500	710	400	12×Φ10.5	4×Φ15	204
7a	4/6P9.5/3.1	710	760	800	650	600	500	600	710	425	12×Φ10.5	4×Φ15	287
7b	4/6P12/4	710	760	800	710	660	500	600	770	425	12×Φ10.5	4×Φ15	284
7c	2/4P16/3.8	710	760	800	710	660	500	600	770	425	12×Φ10.5	4×Φ15	270
8a	4/6P12/4	810	860	900	710	660	500	600	770	485	12×Φ10.5	4×Φ15	306
8b	4/6P15.5/5.1	810	860	900	790	740	500	600	850	485	12×Φ10.5	4×Φ15	361
8c	2/4P18.5/4.6	810	860	900	790	740	500	600	850	485	12×Φ10.5	4×Φ15	363
8d	2/4P22/5.5	810	860	900	790	740	500	600	850	485	12×Φ10.5	4×Φ15	358
9a	4/6P18/6.2	910	965	1010	765	705	600	700	840	545	16×Φ12.5	4×Φ19	417
9b	4/6P22/8	910	965	1010	835	775	600	700	910	545	16×Φ12.5	4×Φ19	519
9c	4/6P33/11	910	965	1010	915	855	600	700	990	545	16×Φ12.5	4×Φ19	573
10a	6/8P9/4.5	1010	1065	1110	685	625	600	700	760	600	16×Φ12.5	4×Φ19	365
10b	6/8P13/6.5	1010	1065	1110	765	705	600	700	840	600	16×Φ12.5	4×Φ19	451
10c	4/6P18/6.2	1010	1065	1110	765	705	600	700	840	600	16×Φ12.5	4×Φ19	434
10d	4/6P33/11	1010	1065	1110	915	855	600	700	990	600	16×Φ12.5	4×Φ19	647
10.5a	6/8P17/8.5	1060	1115	1160	835	775	650	750	910	625	16×Φ12.5	4×Φ19	582
10.5b	4/6P22/8	1060	1115	1160	835	775	650	750	910	625	16×Φ12.5	4×Φ19	560
10.5c	4/6P38/13	1060	1115	1160	915	855	650	750	990	625	16×Φ12.5	4×Φ19	714
11a	6/8P21/11	1110	1165	1210	835	775	700	800	910	650	16×Φ12.5	4×Φ19	571
11b	4/6P22/8	1110	1165	1210	835	775	700	800	910	650	16×Φ12.5	4×Φ19	598
12a	6/8P21/11	1210	1270	1320	800	720	800	900	900	700	20×Φ12.5	4×Φ19	631
12b	6/8P25/12	1210	1270	1320	880	800	800	900	980	700	20×Φ12.5	4×Φ19	740
13	6/8P30/15	1310	1370	1420	880	800	850	950	980	750	20×Φ12.5	4×Φ21	718
14	6/8P37/22	1410	1470	1520	960	880	900	1000	1060	800	20×Φ12.5	4×Φ21	877



HL3-2A Series Low-noise Power-saving Mixed Flow Fan
PYHL-14A Series Axial Flow Fire-proof Smoke Exhaust Fan
HL3-2A 系列低噪节能混流风机
PYHL-14A系列轴流式消防排烟风机

General Description
一、简述

Type test result is higher than national standard

高于国标的型式检验结果

The fan has passed CCC certification, which ensures 60min normal operation of the fan at the temperature of 280℃ (according to the standard,the operation time of fan is 30min at 280℃ or 45min at 250℃).

消防 3C 检测在 280℃时正常运转 60min（标准为 280℃时运行 30min 或 250℃时运行 45min）以上。

Well designed aerodynamic characteristics

气动特性设计合理

The fan, optimized by three-dimensional flow simulation and multi-objective design with CAD system software, through aerodynamic performance prediction and stress modal analysis,has excellent aerodynamic performance and sufficient strength at high temperature.

风机由CAD系统软件,经三维流态模拟多目标优化设计,并作气动性能预示、应力模态分析,确保产品有优良的空气动力性能,并在高温下具有足够的强度。

Fine process and high structural strength

工艺精细，结构强度高

Air duct with elaborate production line: from precision cutting, robot automatic welding, end flange integration spinning molding to flange angles punching, the air duct has standard sizes, nice appearance and high structural strength.

The complete molds production of blades and rear guide blades ensures that the blades have precision size and stable curved arc; the integral hub is compression molding with the hub edge strengthened by spinning and has the minimum mass and stress under the given rigidity and strength; the spinning streamlined front cover improves the fan efficiency and reduces the noise; the automatic robot welding, high tooling positioning accuracy and the stable and reliable welding effect ensure the long-term and stable operation of fan.

The Venturi tube inlet is spin forming to ensure the aerodynamic characteristics of the streamline.

The electrostatic powder spraying production line, via 12 procedures and high temperature baking process, produces perfect anti-corrosion effect.

风筒流水线制作：精细下料、机器人自动焊接、端法兰一体化旋压成型、法兰转角冲孔，尺寸标准外形美观强度高。

叶片、后导流叶片全模具化加工，保证叶型曲弧稳定尺寸精确；一体式轮毂模压成型、轮缘旋压加强，在保证给定的刚度和强度条件下，具有质量最轻、应力最少；流线型前罩旋压成型，提高效率和减噪；叶轮机器人自动焊接，工装定位精度高、焊接效果稳定可靠，为产品长期稳定运行提供有效保证。

文丘里管入口旋压成型，确保流线气动特性。

12 道工序流水线静电粉末喷涂，经高温烘烤，防腐效果好。

High balance level control

内控高平衡等级

All the impellers of this series are statically and dynamically balanced to G2.5 (general fan reaches G6.3 only) balance grade of ISO standard, which ensures the long-term, stable and quiet operation of the fan.

叶轮经静、动平衡校验，内控标准达到 ISO 标准的平衡等级 G2.5（一般产品仅 G6.3），确保产品能长期、稳定、安静运行。

Passed various certifications of China compulsory product, explosion proof, energy efficiency and AMCA

消防 3C、防爆、能效、AMCA 产品多种认证

The HTF fan meets the national standard for the fire-proof smoke exhaust fans in tunnels for tunnel sections and tunnels for metro sections and other buildings, and the explosion-proof type also meets the explosion proof requirement for specific occasions.

The general type for general ventilation and two-speed type for low speed ventilation and high speed smoke exhaust in case of fire accident are available.

The structure types of horizontal, vertical and roof can be provided for this series fan in occasions with different conditions.

The inlet and outlet silencers or acoustic boxed may be provided for the user' s high requirements for noise.

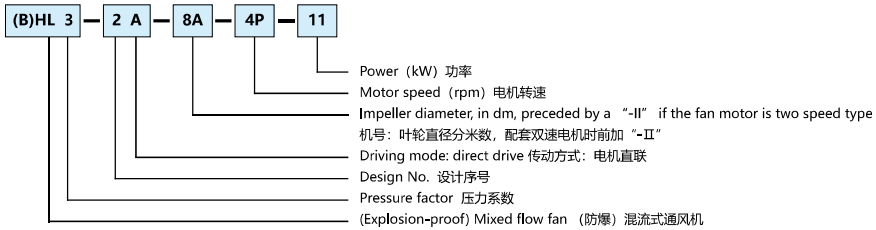
同时满足隧道区间隧道、地铁区间隧道、其它建筑内用消防排烟风机国标要求，防爆型还满足特定场合的防爆要求。

可提供普通型，用于一般通排风要求；也可提供双速风机用于平时低速通排风消防时高速排烟，达到一机两用要求。

可提供卧式、立式、屋顶式结构满足不同使用场合要求。

若用户对噪声有较高要求，进出口可配带消声器或外包消声箱处理。

Naming conventions
二、命名规范





Performance parameter
三、产品性能参数

Performance Parameter Table Of PYHL-14A/HL3-2A Fan
PYHL-14A/HL3-2A 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HL3-2A-2.5A PYHL-14A-2.5A-a	2900	2253	402	379	0.75	73	34
		2039	452	433			
		1696	532	519			
		1496	542	532			
		1340	554	546			
HL3-2A-2.5A PYHL-14A-2.5A-b	1450	1126	100	94	0.55	61	35
		1019	113	108			
		848	133	130			
		748	135	132			
		670	139	137			
HL3-2A-2.5A PYHL-14A-2.5A-c	960	746	44	42	0.55	52	36
		675	50	48			
		561	58	57			
		495	59	58			
		444	61	60			
HL3-2A-3A PYHL-14A-3A-a	2900	3893	578	510	1.1	74	44
		3523	651	595			
		2930	767	729			
		2585	780	750			
		2316	798	774			
HL3-2A-3A PYHL-14A-3A-b	1450	1946	145	128	0.55	61	44
		1762	163	149			
		1465	192	182			
		1293	195	188			
		1158	200	194			
HL3-2A-3A PYHL-14A-3A-c	960	1289	63	56	0.55	53	45
		1166	71	65			
		970	84	80			
		856	85	82			
		767	87	84			
HL3-2A-3.5A PYHL-14A-3.5A-a	2900	6181	787	668	2.2	75	62
		5595	887	789			
		4653	1044	977			
		4104	1062	1009			
		3678	1086	1044			
HL3-2A-3.5A PYHL-14A-3.5A-b	1450	3091	197	167	0.55	62	54
		2797	222	198			
		2327	261	244			
		2052	265	252			
		1839	272	261			
HL3-2A-3.5A PYHL-14A-3.5A-c	960	2046	86	73	0.55	54	55
		1852	97	86			
		1540	114	107			
		1359	116	110			
		1217	119	114			

Performance Parameter Table Of PYHL-14A/HL3-2A Fan
PYHL-14A/HL3-2A 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HL3-2A-4A PYHL-14A-4A-a	2900	9227	1028	872	5.5	77	113
		8351	1159	1031			
		6946	1363	1275			
		6127	1387	1318			
		5490	1419	1364			
HL3-2A-4A PYHL-14A-4A-b	1450	4614	257	218	0.75	64	67
		4176	290	258			
		3473	341	319			
		3064	347	330			
		2745	355	341			
HL3-2A-4A PYHL-14A-4A-c	960	3055	112	95	0.55	57	67
		2765	127	113			
		2299	149	139			
		2028	152	144			
		1817	156	150			
HL3-2A-4.5A PYHL-14A-4.5A-a	2900	13138	1301	1109	7.5	76	135
		11891	1466	1309			
		9889	1725	1616			
		8724	1755	1670			
		7816	1796	1728			
HL3-2A-4.5A PYHL-14A-4.5A-b	1450	6569	325	277	1.1	66	87
		5945	367	328			
		4945	431	404			
		4362	439	418			
		3908	449	432			
HL3-2A-4.5A PYHL-14A-4.5A-c	960	4349	143	122	0.55	58	83
		3936	161	144			
		3274	189	177			
		2888	192	183			
		2586	196	189			
HL3-2A-5A PYHL-14A-5A-a	2900	18022	1606	1363	15	80	212
		16311	1810	1611			
		13565	2130	1992			
		11967	2167	2060			
		10722	2217	2131			
HL3-2A-5A PYHL-14A-5A-b	1450	9091	402	340	2.2	68	118
		8156	453	403			
		6783	532	498			
		5984	542	515			
		5361	554	533			
HL3-2A-5A PYHL-14A-5A-c	960	5966	176	149	0.75	59	107
		5400	198	176			
		4491	233	218			
		3962	237	225			
		3549	243	234			
HL3-2A-5.5A PYHL-14A-5.5A-a	1450	11993	486	412	3	65	138
		10855	548	488			
		9028	644	602			
		7964	655	623			
		7136	670	644			

Performance Parameter Table Of PYHL-14A/HL3-2A Fan
PYHL-14A/HL3-2A 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HL3-2A-5.5A PYHL-14A-5.5A-b	960	7941	213	181	1.1	59	125
		7187	240	214			
		5977	282	264			
		5273	287	273			
		4724	294	283			
HL3-2A-5.5A PYHL-14A-5.5A-c	720	5955	120	102	0.75	57	133
		5390	135	120			
		4483	159	149			
		3954	162	154			
		3543	165	159			
HL3-2A-6A PYHL-14A-6A-a	1450	15571	578	490	5.5	70	231
		14093	652	580			
		11721	767	717			
		10340	780	741			
		9264	798	767			
HL3-2A-6A PYHL-14A-6A-b	960	10309	253	215	1.5	66	158
		9330	286	254			
		7760	336	314			
		6846	342	325			
		6133	350	336			
HL3-2A-6A PYHL-14A-6A-c	720	7732	142	120	1.1	58	162
		6998	161	143			
		5820	189	177			
		5134	192	182			
		4600	197	189			
HL3-2A-6.5A PYHL-14A-6.5A-a	1450	19797	679	576	7.5	74	230
		17918	765	681			
		14902	890	832			
		13146	916	871			
		11778	937	901			
HL3-2A-6.5A PYHL-14A-6.5A-b	960	13107	298	253	2.2	68	195
		11863	335	298			
		9866	394	369			
		8704	401	381			
		7798	411	395			
HL3-2A-6.5A PYHL-14A-6.5A-c	720	9830	167	142	1.1	62	187
		8897	189	168			
		7399	222	208			
		6528	226	215			
		5849	231	222			
HL3-2A-7A PYHL-14A-7A-a	1450	24726	787	668	11	77	360
		22379	887	789			
		18612	1044	977			
		16419	1061	1008			
		14710	1086	1044			
HL3-2A-7A PYHL-14A-7A-b	960	16370	345	293	3	70	245
		14816	388	345			
		12322	457	427			
		10871	465	442			
		9740	476	459			

Performance Parameter Table Of PYHL-14A/HL3-2A Fan
PYHL-14A/HL3-2A 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HL3-2A-7A PYHL-14A-7A-c	720	12278	194	165	1.5	64	226
		11112	219	195			
		9242	257	240			
		8153	262	249			
		7305	268	258			
HL3-2A-7.5A PYHL-14A-7.5A-a	1450	30411	904	767	15	78	390
		27525	1018	906			
		22892	1198	1120			
		20195	1219	1159			
		18094	1247	1199			
HL3-2A-7.5A PYHL-14A-7.5A-b	960	20135	396	336	4	72	285
		18223	446	397			
		15156	525	491			
		13370	534	508			
		11979	547	526			
HL3-2A-7.5A PYHL-14A-7.5A-c	720	15101	223	189	2.2	67	276
		13668	251	223			
		11367	295	276			
		10027	301	286			
		8984	308	296			
HL3-2A-8A PYHL-14A-8A-a	1450	36908	1028	872	18.5	82	420
		33405	1159	1031			
		27782	1363	1275			
		24509	1387	1318			
		21959	1419	1364			
HL3-2A-8A PYHL-14A-8A-b	960	24436	451	383	5.5	74	331
		22117	508	452			
		18394	597	558			
		16227	608	578			
		14538	622	598			
HL3-2A-8A PYHL-14A-8A-c	720	18327	253	215	2.2	71	310
		16587	286	254			
		13795	336	314			
		12170	342	325			
		10904	350	336			
HL3-2A-8.5A PYHL-14A-8.5A-a	1450	44270	1161	985	22	85	473
		40068	1308	1164			
		33323	1539	1440			
		29398	1566	1489			
		26339	1602	1540			
HL3-2A-8.5A PYHL-14A-8.5A-b	960	29310	509	432	7.5	77	397
		26528	573	510			
		22062	674	630			
		19463	686	652			
		17438	702	675			
HL3-2A-8.5A PYHL-14A-8.5A-c	720	21983	286	243	3	73	355
		19896	322	287			
		16547	379	354			
		14597	386	367			
		13079	395	380			

Performance Parameter Table Of PYHL-14A/HL3-2A Fan
PYHL-14A/HL3-2A 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HL3-2A-9A PYHL-14A-9A-a	1450	52551	1301	1104	30	88	562
		47563	1466	1305			
		39557	1726	1614			
		34897	1755	1668			
		31266	1796	1726			
HL3-2A-9A PYHL-14A-9A-b	960	34793	570	484	11	80	453
		31490	643	572			
		26189	756	707			
		23104	769	731			
		20700	787	756			
HL3-2A-9A PYHL-14A-9A-c	720	26094	320	271	4	75	417
		23618	362	322			
		19642	425	397			
		17328	433	416			
		15525	443	427			
HL3-2A-9.5A PYHL-14A-9.5A-a	1450	61806	1448	1229	37	91	591
		55935	1635	1456			
		46526	1921	1797			
		41041	1956	1859			
		36769	2001	1924			
HL3-2A-9.5A PYHL-14A-9.5A-b	960	40920	634	538	11	82	453
		37033	717	638			
		30803	842	788			
		27172	857	815			
		24344	877	843			
HL3-2A-9.5A PYHL-14A-9.5A-c	720	30690	357	303	5.5	76	428
		27774	403	359			
		23102	473	442			
		20379	482	458			
		18258	494	475			
HL3-2A-10A PYHL-14A-10A-c	1450	72087	1606	1362	55	92	780
		65245	1810	1610			
		54262	2130	1992			
		47869	2166	2059			
		42888	2217	2131			
HL3-2A-10A PYHL-14A-10A-a	960	47726	704	597	15	85	566
		43196	794	706			
		35925	934	873			
		31692	950	903			
		28395	972	934			
HL3-2A-10A PYHL-14A-10A-b	720	35795	396	336	7.5	77	527
		32397	446	397			
		26944	525	491			
		23770	534	507			
		21296	547	526			
HL3-2A-10.5A PYHL-14A-10.5A-c	1450	83450	1769	1499	75	94	1001
		75523	1998	1777			
		62819	2346	2193			
		55413	2390	2271			
		49646	2444	2348			

Performance Parameter Table Of PYHL-14A/HL3-2A Fan
PYHL-14A/HL3-2A 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HL3-2A-10.5A PYHL-14A-10.5A-a	960	55250	775	657	18.5	87	676
		50001	876	779			
		41591	1028	961			
		36687	1047	995			
		32869	1071	1029			
HL3-2A-10.5A PYHL-14A-10.5A-b	720	41437	436	369	11	79	623
		37501	492	438			
		31193	578	540			
		27515	589	560			
		24651	602	578			
HL3-2A-11A PYHL-14A-11A-c	1450	95949	1941	1646	90	104	1178
		86834	2192	1950			
		72228	2575	2408			
		63712	2623	2493			
		57081	2682	2577			
HL3-2A-11A PYHL-14A-11A-a	960	63524	851	722	22	89	778
		57490	961	855			
		47820	1128	1055			
		42182	1149	1092			
		37792	1176	1130			
HL3-2A-11A PYHL-14A-11A-b	720	47643	478	405	11	82	700
		47117	540	469			
		35865	635	594			
		31636	646	614			
		28344	661	635			
HL3-2A-11.5A PYHL-14A-11.5A-c	1450	109636	2122	1800	110	107	1595
		99222	2396	2132			
		82532	2814	2631			
		72801	2867	2725			
		65224	2932	2818			
HL3-2A-11.5A PYHL-14A-11.5A-a	960	72587	930	789	30	90	897
		65692	1050	934			
		54642	1233	1153			
		48200	1256	1194			
		43183	1285	1235			
HL3-2A-11.5A PYHL-14A-11.5A-b	720	54440	523	444	15	84	885
		49268	591	526			
		40981	694	649			
		36150	707	672			
		32387	723	695			
HL3-2A-12A PYHL-14A-12A-c	1450	124567	2311	1960	132	111	1772
		112734	2609	2322			
		93772	3064	2865			
		82716	3121	2966			
		74107	3192	3068			
HL3-2A-12A PYHL-14A-12A-a	960	82472	1013	859	37	92	1072
		74638	1144	1018			
		62083	1343	1256			
		54764	1368	1300			
		49064	1399	1345			

TWOSUN SHUANGYANG FAN

Performance Parameter Table Of PYHL-14A/HL3-2A Fan
PYHL-14A/HL3-2A 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HL3-2A-12A PYHL-14A-12A-b	720	61854	570	483	15	86	962
		55978	643	572			
		46562	755	706			
		41073	769	731			
		36798	787	756			
HL3-2A-12.5A PYHL-14A-12.5A-c	1450	140796	2507	2126	160	117	1921
		127422	2831	2519			
		105988	3325	3109			
		93492	3387	3219			
		83762	3464	3329			
HL3-2A-12.5A PYHL-14A-12.5A-a	960	93217	1099	932	45	93	1294
		84362	1241	1104			
		70171	1457	1362			
		61898	1484	1410			
		55456	1518	1459			
HL3-2A-12.5A PYHL-14A-12.5A-b	720	69912	618	524	18.5	88	1137
		63271	698	621			
		52628	820	767			
		46424	835	794			
		41592	854	821			
HL3-2A-13A PYHL-14A-13A-a	960	104856	1188	1007	55	94	1444
		94896	1342	1194			
		78933	1576	1474			
		69627	1605	1525			
		62380	1642	1578			
HL3-2A-13A PYHL-14A-13A-b	720	78642	668	566	22	90	1157
		71172	755	672			
		59200	886	828			
		52220	903	858			
		46785	923	887			
HL3-2A-13A PYHL-14A-13A-c	560	61166	404	342	11	81	1144
		55356	456	406			
		46044	536	501			
		40616	546	519			
		36388	558	536			
HL3-2A-13.5A PYHL-14A-13.5A-a	960	117426	1282	1087	75	99	1942
		106272	1447	1287			
		88396	1700	1589			
		77974	1731	1645			
		69859	1771	1702			
HL3-2A-13.5A PYHL-14A-13.5A-b	720	88070	721	611	30	93	1352
		79704	814	724			
		66297	956	894			
		58480	974	926			
		52394	996	957			
HL3-2A-13.5A PYHL-14A-13.5A-c	560	68498	436	370	15	82	1255
		61992	492	438			
		51564	578	531			
		45485	589	560			
		40751	602	579			

Performance Parameter Table Of PYHL-14A/HL3-2A Fan
PYHL-14A/HL3-2A 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
HL3-2A-14A PYHL-14A-14A-b	960	130963	1378	1168	90	102	2108
		118522	1557	1385			
		98586	1828	1709			
		86963	1862	1769			
		77912	1905	1831			
HL3-2A-14A PYHL-14A-14A-a	720	98222	775	657	37	95	1580
		88892	875	778			
		73939	1028	961			
		65222	1047	995			
		58434	1071	1029			
HL3-2A-14A PYHL-14A-14A-c	560	76395	469	398	18.5	84	1361
		69138	529	470			
		57508	622	582			
		50728	633	602			
		45448	648	623			

Performance Parameter Table Of PYHL-14A-II Fan
PYHL-14A-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
PYHL-14A-II-4.5A-a	2900/1450	13749/6897	1301/325	1084/277	8/2	87/72	153
		12485/6242	1466/367	1309/328			
		10383/5201	1725/431	1601/404			
		9160/4580	1755/439	1670/418			
		8206/4103	1796/449	1719/432			
PYHL-14A-II-4.5A-b	1450/960	6897/4566	325/143	270/122	1.1/0.32	72/63	100
		6242/4132	367/161	328/144			
		5201/3437	431/189	400/177			
		4580/3032	439/192	418/183			
		4103/2715	449/196	430/189			
PYHL-14A-II-5A-a	2900/1450	18923/9545	1606/402	1338/340	16/3.8	91/75	239
		17126/8564	1810/453	1611/403			
		14243/7122	2130/532	1978/498			
		12565/6283	2167/542	2060/515			
		11258/5629	2217/554	2122/533			
PYHL-14A-II-5A-b	1450/960	9545/6264	402/176	334/149	2.2/0.7	75/67	133
		8564/5670	453/198	403/176			
		7122/4715	532/233	494/218			
		6283/4160	542/237	515/225			
		5629/3726	554/243	530/234			
PYHL-14A-II-5.5A-a	1450/960	12472/8258	486/213	406/181	3.2/1.1	78/69	194
		11289/7474	548/240	488/214			
		9389/6216	644/282	599/264			
		8282/5484	655/287	623/273			
		7421/4913	670/294	642/283			

Performance Parameter Table Of PYHL-14A-II Fan
PYHL-14A-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
PYHL-14A-II-5.5A-b	960/720	8258/6193	213/120	178/102	1.1/0.55	69/63	178
		7474/5605	240/135	214/120			
		6216/4662	282/159	262/149			
		5484/4112	287/162	273/154			
		4913/4913	294/165	282/159			
PYHL-14A-II-5.5A-c	1450/720	12472/6193	486/120	406/102	3.2/0.9	78/63	179
		11289/5605	548/135	488/120			
		9389/4662	644/159	599/149			
		8282/4112	655/162	623/154			
		7421/3684	670/165	642/159			
PYHL-14A-II-6A-a	1450/960	16194/10721	578/253	483/215	6.7/2.2	81/72	219
		14656/9703	652/286	580/254			
		12190/8070	767/336	713/314			
		10753/7120	780/342	741/325			
		9634/6378	798/350	764/336			
PYHL-14A-II-6A-b	960/720	10721/8041	253/142	211/120	1.6/0.75	72/66	202
		9703/7278	286/161	254/143			
		8070/6053	336/189	312/177			
		7120/5339	342/192	325/182			
		6378/4784	350/197	335/189			
PYHL-14A-II-6A-c	1450/720	16194/8041	578/142	483/120	6.3/1.5	81/66	258
		14656/7278	652/161	580/143			
		12190/6053	767/189	713/177			
		10753/5339	780/192	741/182			
		9634/4784	798/197	764/189			
PYHL-14A-II-6.5A-a	1450/960	20589/13631	679/298	568/253	9.5/3.1	84/74	288
		18634/12337	765/335	681/298			
		15498/10260	990/394	927/369			
		13672/9052	916/401	871/381			
		12249/8110	937/411	898/395			
PYHL-14A-II-6.5A-b	960/720	13631/10223	298/167	249/142	2.6/1.2	74/68	232
		12337/9252	335/189	298/168			
		10260/7695	394/222	366/208			
		9052/6789	401/226	381/215			
		8110/6083	411/231	394/222			
PYHL-14A-II-6.5A-c	1450/720	20589/10223	679/167	568/142	8.9/2	83/68	288
		18634/9252	765/189	681/168			
		15498/7695	890/222	827/208			
		13672/6789	916/226	871/215			
		12249/6083	937/231	898/222			
PYHL-14A-II-7A-a	1450/960	25715/17025	787/345	658/293	12/4	86/77	353
		23274/15408	887/388	789/345			
		19356/12814	1044/457	971/427			
		17075/11306	1061/465	1008/442			
		15298/10129	1088/476	1042/459			
PYHL-14A-II-7A-b	960/720	17025/12769	345/194	289/165	3.3/1.6	77/70	286
		15408/11556	388/219	345/195			
		12814/9611	457/257	425/240			
		11306/8479	465/262	442/249			
		9713/7597	476/268	458/258			

Performance Parameter Table Of PYHL-14A-II Fan
PYHL-14A-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
PYHL-14A-II-7A-c	1450/720	25715/12769	787/194	658/165	12/2.7	86/70	353
		23274/11556	887/219	789/195			
		19356/9611	1044/257	971/240			
		17075/8479	1061/262	1008/249			
		15298/7597	1088/268	1042/258			
PYHL-14A-II-7.5A-a	1450/960	31627/20940	904/396	756/336	15.5/5.1	88/79	429
		28626/18952	1018/446	906/397			
		23807/15762	1198/525	1114/491			
		21002/13908	1219/534	1159/508			
		18817/12458	1247/547	1195/526			
PYHL-14A-II-7.5A-b	960/720	20940/15705	396/223	331/189	4.5/2.2	79/73	317
		18952/14214	446/251	397/223			
		15762/11821	525/295	488/276			
		13908/10428	534/301	508/286			
		12458/9343	547/308	524/296			
PYHL-14A-II-7.5A-c	1450/720	31627/15705	904/223	756/189	16/4	88/73	491
		28626/14214	1018/251	906/223			
		23807/11821	1198/295	1114/276			
		21002/10428	1219/301	1159/286			
		18817/9343	1247/308	1195/296			
PYHL-14A-II-8A-a	1450/960	38384/25413	1028/451	859/383	18/6.2	90/81	498
		34741/23001	1159/508	1031/452			
		28893/19129	1363/597	1267/558			
		25489/16876	1387/608	1318/578			
		22837/15119	1419/622	1359/598			
PYHL-14A-II-8A-b	960/720	25413/19060	451/253	377/215	6.5/3.2	81/75	393
		23001/17250	508/286	452/254			
		19129/14346	597/336	555/314			
		16876/12657	608/342	578/325			
		15119/11340	622/350	596/336			
PYHL-14A-II-8A-c	1450/720	38384/19060	1028/253	859/215	19.5/5	90/75	544
		34741/17250	1159/286	1031/254			
		28893/14346	1363/336	1267/314			
		25489/12657	1387/342	1318/325			
		22837/11340	1419/350	1359/336			
PYHL-14A-II-8.5A-a	1450/960	45598/30189	1161/509	975/432	22/8	92/82	568
		41270/27323	1308/573	1164/510			
		34322/22724	1539/674	1433/630			
		30589/20047	1566/686	1489/652			
		27129/17961	1602/702	1536/675			
PYHL-14A-II-8.5A-b	960/720	30189/22642	509/286	427/243	9/4.5	82/76	465
		27323/20493	573/322	510/287			
		22724/17043	654/379	608/354			
		20047/15035	686/386	652/367			
		17961/13471	702/395	673/380			
PYHL-14A-II-8.5A-c	1450/720	45598/22642	1161/286	975/243	22/5.5	92/76	588
		41270/20493	1308/322	1164/287			
		34322/17043	1539/379	1433/354			
		30589/15035	1566/386	1489/367			
		27129/13471	1602/395	1536/380			

Performance Parameter Table Of PYHL-14A-II Fan
PYHL-14A-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
PYHL-14A-II-9A-a	1450/960	54127/35836	1301/570	1092/484	33/11	93/84	672
		48990/32434	1466/643	1305/572			
		40743/26974	1726/756	1608/707			
		35944/23797	1755/769	1668/731			
		32204/21321	1796/787	1722/756			
PYHL-14A-II-9A-b	960/720	35836/26876	570/320	478/271	13/6.5	84/78	566
		32434/24326	643/362	572/322			
		26974/20231	756/425	704/397			
		23797/17848	769/433	731/416			
		21321/15990	787/443	755/427			
PYHL-14A-II-9A-c	1450/720	54127/26876	1301/320	1092/271	29/7.5	93/78	682
		48990/24326	1466/362	1305/322			
		40743/20231	1726/425	1608/397			
		35944/17848	1755/433	1668/416			
		32204/15990	1796/443	1722/427			
PYHL-14A-II-9.5A-a	1450/960	63660/42147	1448/634	1216/538	38/13	95/86	866
		57613/38143	1635/717	1456/638			
		47921/31727	1921/842	1789/788			
		42272/27987	1956/857	1859/815			
		37872/25074	2001/877	1919/843			
PYHL-14A-II-9.5A-b	960/720	42147/31610	635/357	533/303	13/6.5	86/80	611
		38143/28607	717/403	638/359			
		31727/23795	842/473	784/442			
		27987/20990	857/482	815/458			
		25074/18805	878/494	842/475			
PYHL-14A-II-9.5A-c	1450/720	63660/31610	1448/357	1216/303	40/9.5	95/80	866
		57613/28607	1635/403	1456/359			
		47921/23795	1921/473	1789/442			
		42272/20990	1956/482	1859/458			
		37872/18805	2001/494	1919/475			
PYHL-14A-II-10A-a	960/720	49157/36869	704/396	591/336	17/8.5	87/81	653
		44492/33369	794/446	706/397			
		37002/27752	932/525	868/491			
		32642/24483	950/534	903/507			
		29247/21935	972/547	932/526			
PYHL-14A-II-10A-b	1450/960	74250/49157	1605/704	1346/597	55/18.5	96/87	1044
		67202/44492	1810/794	1610/706			
		55890/37002	2128/934	1981/873			
		49305/32642	2166/950	2059/903			
		44174/29247	2217/972	2125/934			
PYHL-14A-II-10A-c	1450/720	74250/36869	1605/396	1346/336	55/15	96/81	988
		67202/33369	1810/446	1610/397			
		55890/27752	2128/525	1981/491			
		49305/24483	2166/534	2059/507			
		44174/21935	2217/547	2125/526			
PYHL-14A-II-10.5A-a	960/720	56907/42680	776/436	651/369	21/11	89/83	752
		51501/38626	876/492	779/438			
		42838/32128	1029/578	958/540			
		37787/28340	1047/589	995/560			
		33855/25390	1072/602	1028/578			

Performance Parameter Table Of PYHL-14A-II Fan
PYHL-14A-II 性能参数表

Type 型号	Speed 转速 (r/min)	Air Flow 风量 (m^3/h)	Total Pressure 压力 (Pa)	Static Pressure 静压 (Pa)	Motor Power 电机功率 (kW)	Noise 噪声LA dB(A)	Weight 重量 (kg)
PYHL-14A-II-10.5A-b	1450/960	85953/56907	1769/775	1483/657	75/25	98/89	1092
		77788/51501	1998/876	1777/779			
		64703/42838	2346/1028	2184/961			
		57075/37787	2390/1047	2271/995			
		51135/33855	2444/1071	2343/1029			
PYHL-14A-II-10.5A-c	1450/720	85953/42680	1769/436	1483/369	75/18.5	98/83	1036
		77788/38626	1998/492	1777/438			
		64703/32128	2346/578	2184/540			
		57075/28340	2390/589	2271/560			
		51135/25390	2444/602	2343/578			
PYHL-14A-II-11A-a	960/720	65429/47643	851/478	722/405	25/12	90/84	870
		59214/44410	961/540	855/469			
		47820/35865	1128/635	1055/594			
		43447/32585	1149/646	1092/614			
		37792/28344	1176/661	1130/635			
PYHL-14A-II-11A-b	1450/960	95949/63524	1941/851	1646/722	95/32	99/90	1270
		89439/59214	2192/961	1950/855			
		72228/47820	2575/1128	2408/1055			
		65623/43447	2623/1149	2493/1092			
		57081/37792	2682/1176	2577/1130			
PYHL-14A-II-11A-c	1450/720	95949/47643	1941/478	1646/405	92/25	99/84	1670
		89439/44410	2192/540	1950/469			
		72228/35865	2575/635	2408/594			
		65623/32585	2623/646	2493/614			
		57081/28344	2682/661	2577/635			

Catalogue descriptions
四、样本说明

The performance of each type of fan at different speeds is represented by a set of curves.

The bold curves represent the performance of direct driven fan (the impeller is directly connected with the motor). The number of motor poles (2P for 2900rpm, 4P for 1450rpm, 6P for 960rpm and 8P for 720rpm) and the power shall be added at the end of the impeller diameter for all direct driven types, and the fire-proof smoke exhaust types are distinguished by lowercase letters.

The thin curves represent the fan with belt connection or variable frequency motor, the desired speed can be obtained by selecting the ratio of belt pulley diameter or frequency conversion adjustment, and the motors with 2, 4 and 6 poles are generally be used.

The curves show the performance of the fan under standard conditions (note: the temperature condition of the fire proof smoke exhaust fan is 280℃). If the working conditions are different from the standard conditions, the conversion shall be made according to the relevant formulas.

The shaft power curve shows the actual power consumption of the fan.

The sound pressure level values during duct installation are represented by sound pressure level curves, and the values in the catalogue are the noise under the working conditions of the maximum efficiency.

Note: when ordering fans, please specify the installation place, indoor or outdoor, the fans used in outdoor shall be marked with positive pressure air supply or exhaust, and the junction box, facing the left or right side of the fan outlet.

每个型号风机由一簇曲线表示不同转速下的性能。

粗曲线代表风机为直联型（即叶轮与电机直接联接），所有直联型号均应在叶轮直径后加电机极数（2P 为 2900rpm,4P 为 1450rpm,6P 为 960rpm,8P 为 720rpm,）及功率，消防排烟型按小写字母来区分。

细曲线代表风机使用皮带连接或变频电机，通过选择皮带轮直径配比或变频调节来得到所需转速，而电机总是采用 2、4、6 极的。

曲线显示为风机在标准状态下的性能（注意：消防排烟型数值为 280℃时性能），当使用条件与标准状态有不同时应按有关公式换算。

轴功率曲线显示风机实际耗用的电能。

声压级曲线为安装管道时的数值，样本值为其最高效率工况的噪声。

注：订货时请说明安装位置在室内或室外，室外风机注明正压送风或排风，接线盒位于面对出风口左侧或右侧。

Example of selection: PYHL-14A-Ⅱ-9.5A-a (airflow volume 47921/31727m^3/h and pressure 1921/842Pa)

a. make a vertical line from the given airflow volume (47921m^3/h) and a horizontal line from the given pressure (1921Pa), the intersection point of these two lines is the high-speed working point, and find the performance curve (the green bold line for direct drive type only) nearest to this point, number (3) in the graph, the rotational speed is 1450 rpm refer to the PRM table.

b. make a horizontal line from the intersection point of the vertical line of airflow volume and the shaft power curve with the same number, and the intersection of this line and the shaft power coordinate is the actual power consumption, about 34kW, and a 38/13kW motor shall be selected according to this power.

c. make a horizontal line from the intersection point of the vertical line of airflow volume and the noise curve with the same number, and the intersection of this line and the noise coordinate is the A sound pressure level, about 92dB(A);

d. similarly, select the low-speed working point, and the corresponding shaft power which is the actual power consumption is about 34kW, therefore, 38/13KW motor shall be selected.

e. if the working condition point is below the curve selected, the performance is positive deviation with margin, if the working condition point is above the curve selected, the performance is negative deviation. The deviation shall meet the requirements and if it is too large, the fan type shall be adjusted.

选型举例：PYHL-14A-Ⅱ-9.5A-a 风量 47921/31727m³/h，压力 1921/842Pa

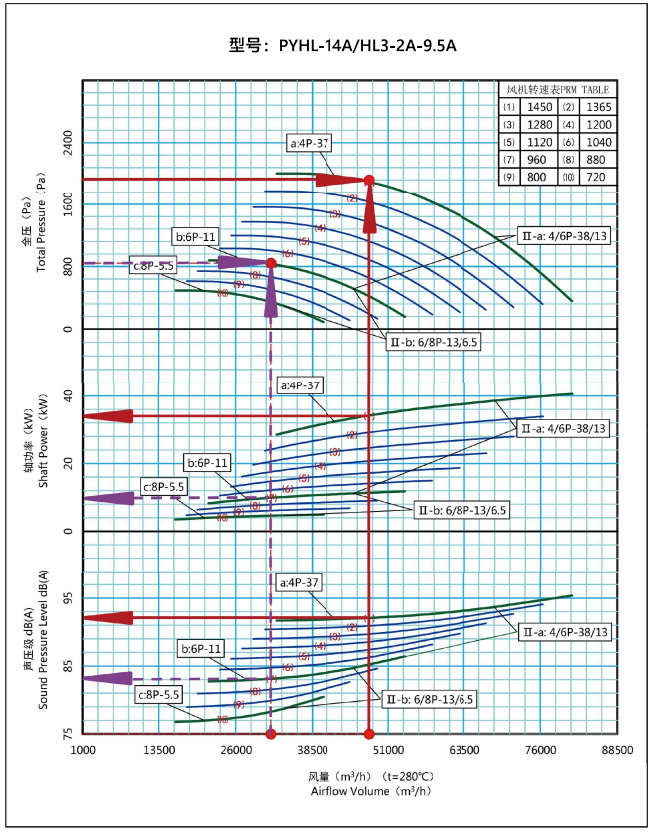
a、从风量坐标 47921m³/h 出发作垂直线，压力坐标 1921Pa 出发作水平线，其交点即为“高速工作点”，寻找离该点最接近的性能曲线（直联型仅绿色加粗线），即图示编号（3），其转速对应转速表为 1450rpm；

b、从风量垂直线与相同编号的轴功率曲线交点出发作水平线，交于轴功率坐标，约为 34kW 即为实需功耗，根据此功率应选择 38/13kW 电机；

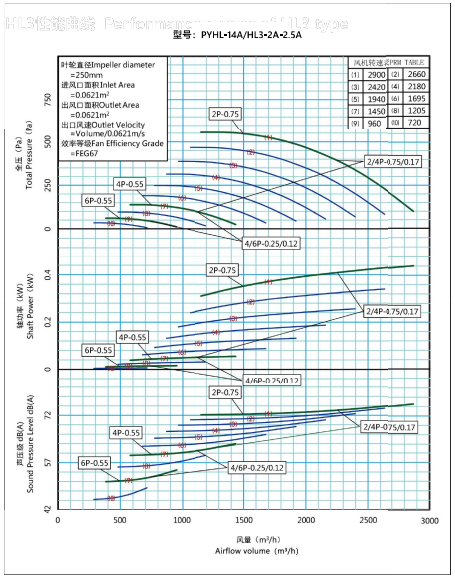
c、从风量垂直线与相同编号的噪声曲线交点出发作水平线，交于噪声坐标，约为 92dB(A)，即为A声压级；

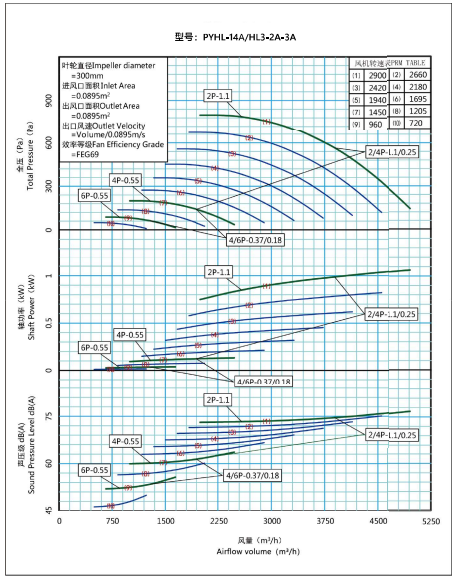
d、同理，选取“低速工作点”，对应轴功率约为 9.5kW 即为实需功耗，根据此功率选择 38/13kW 电机是适合的；

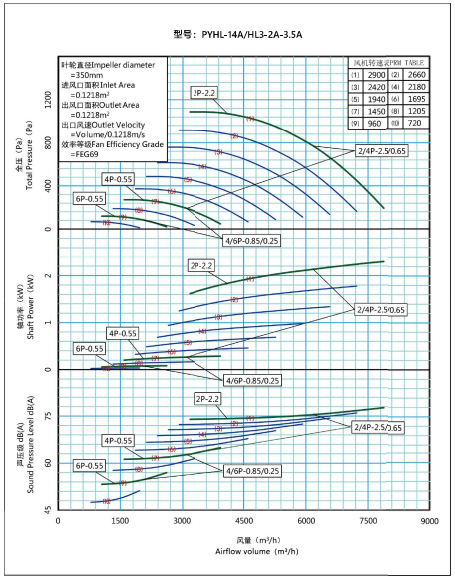
e、若“工作点”在选择曲线的下方，说明性能为正偏差有余量，在选择曲线的上方，说明性能为负偏差。偏差应符合要求，过大时应调整风机的型号，提高性价比。

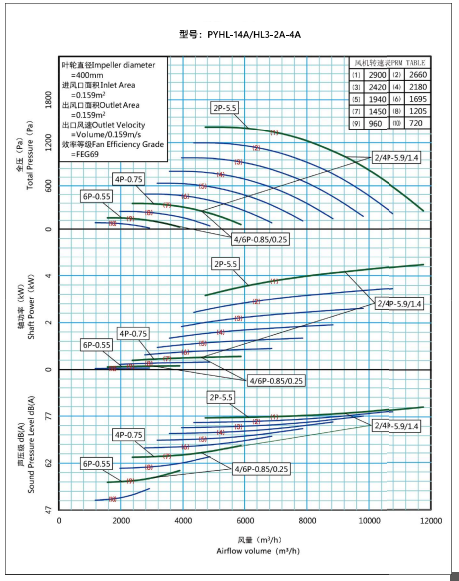


Performance curves
五、产品性能曲线

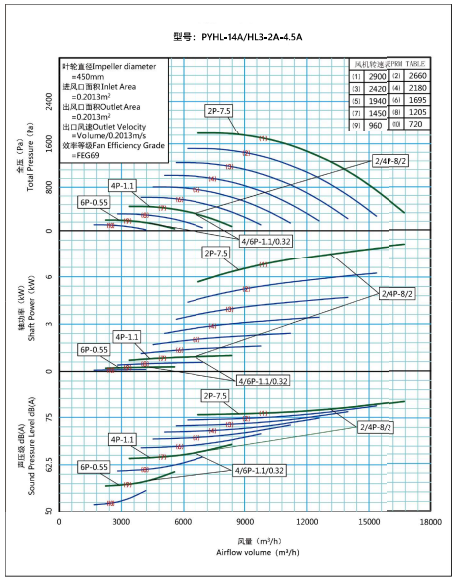




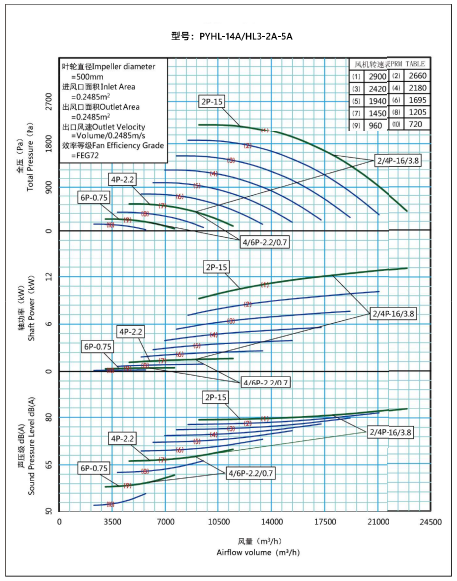




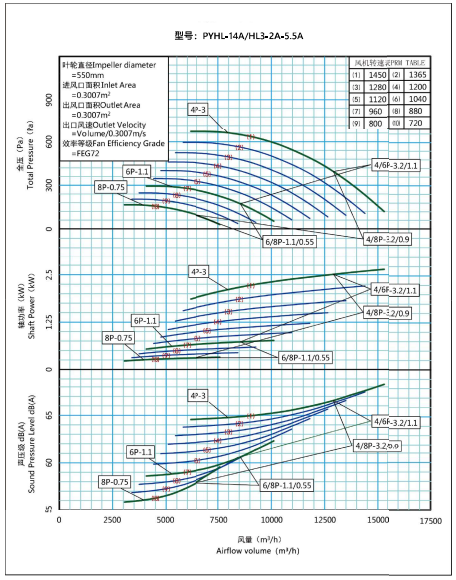
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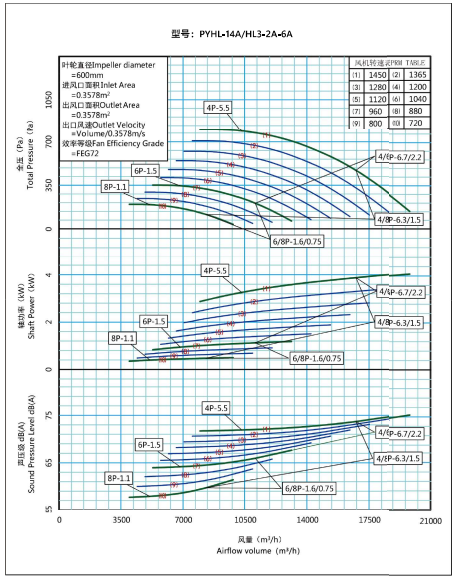
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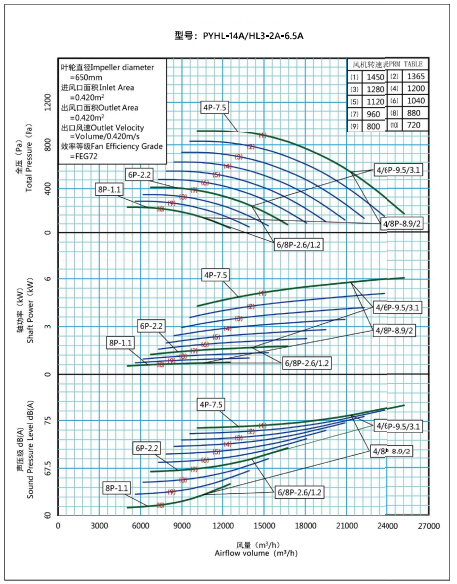
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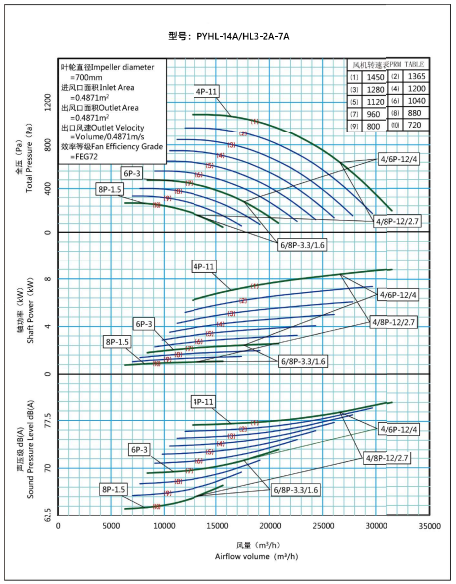
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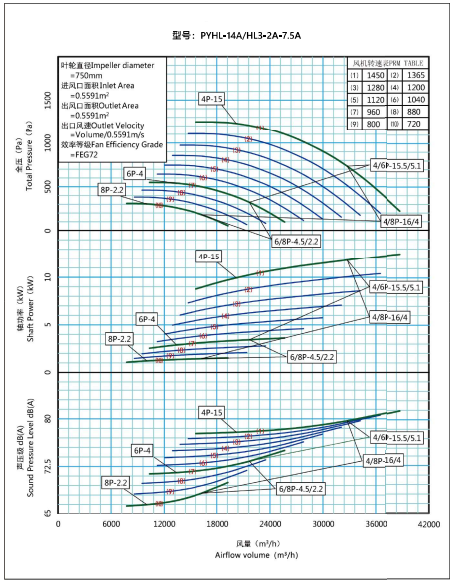
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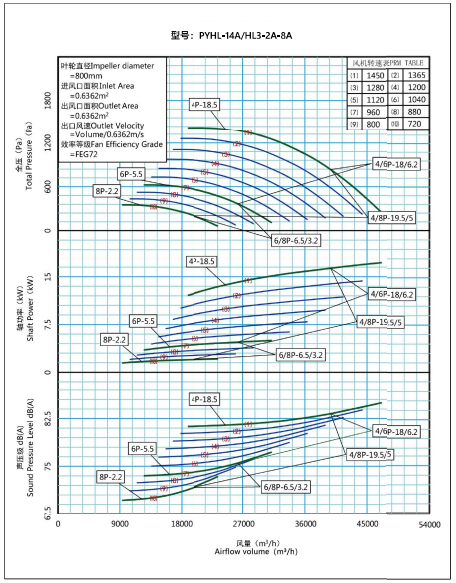
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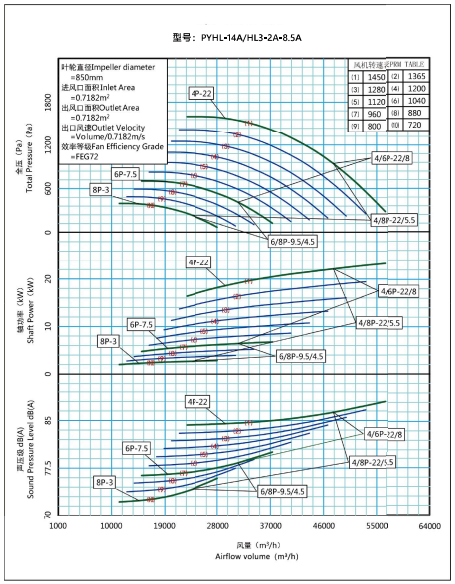
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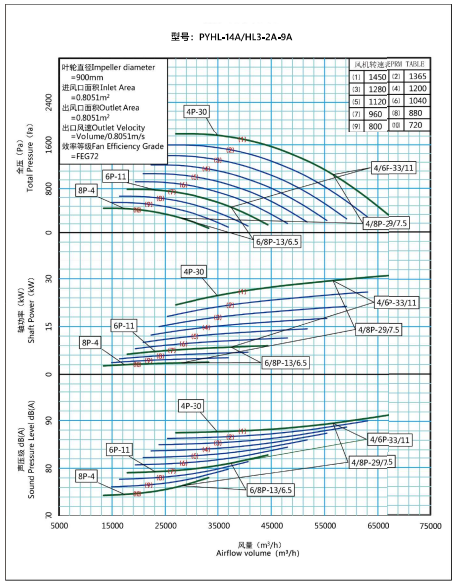
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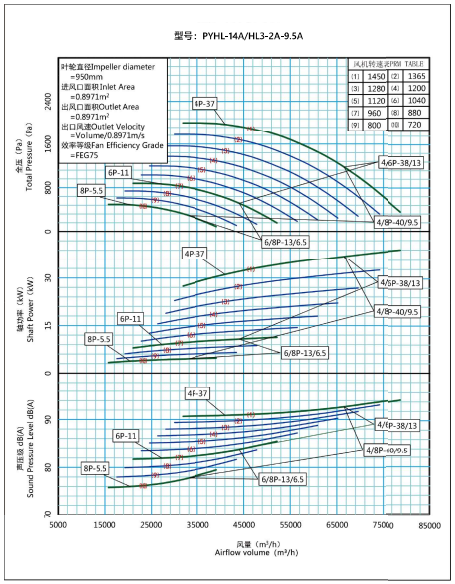
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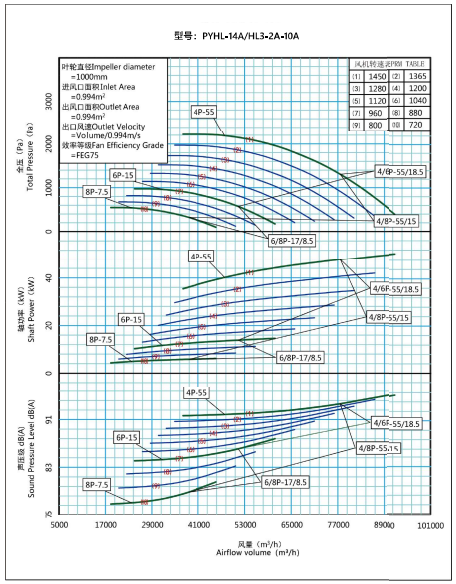
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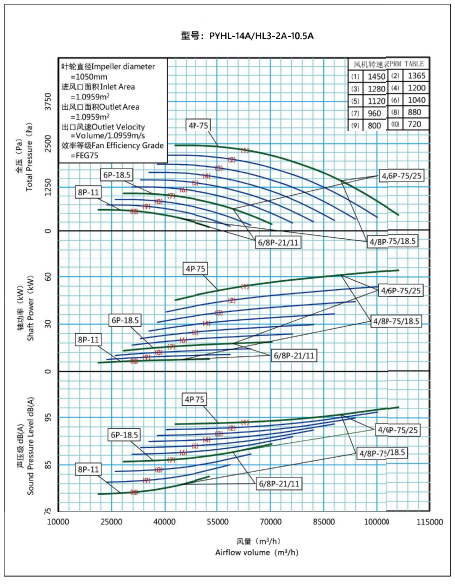
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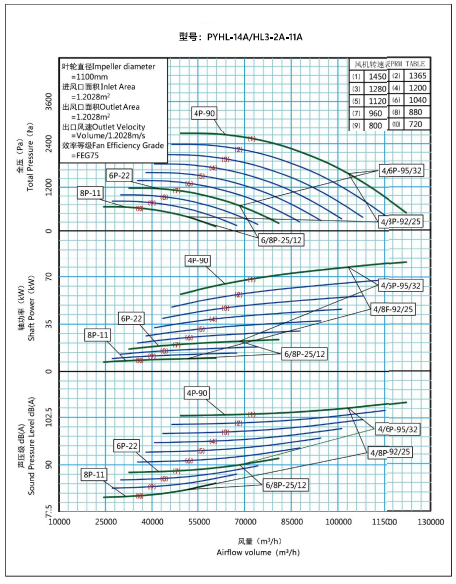
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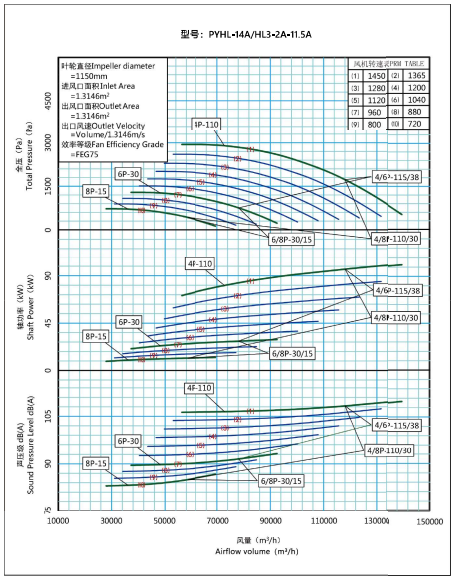
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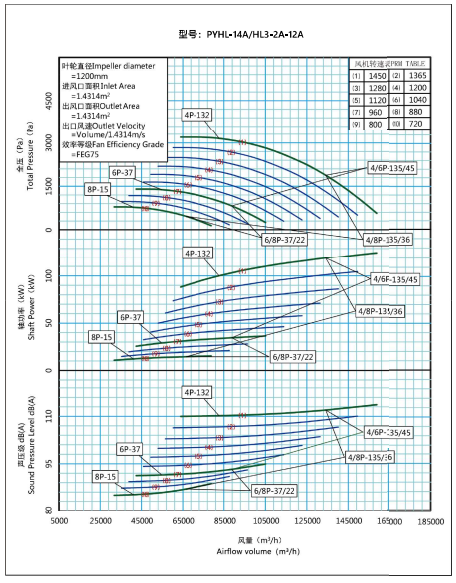
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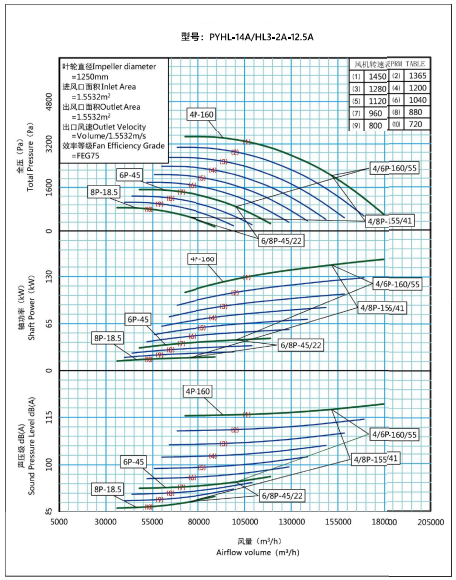


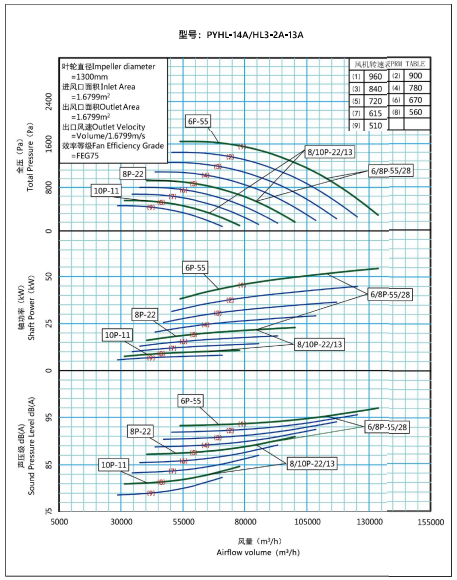
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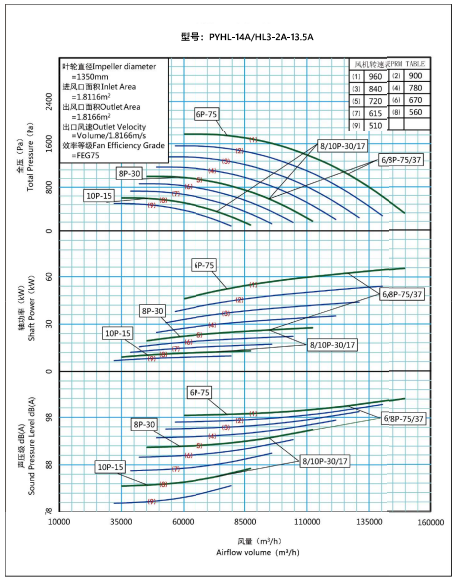


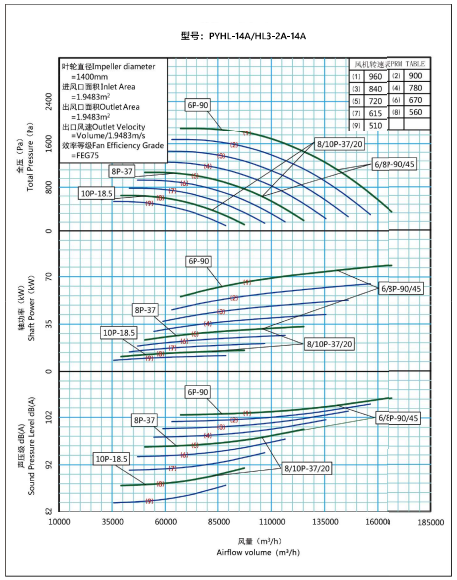
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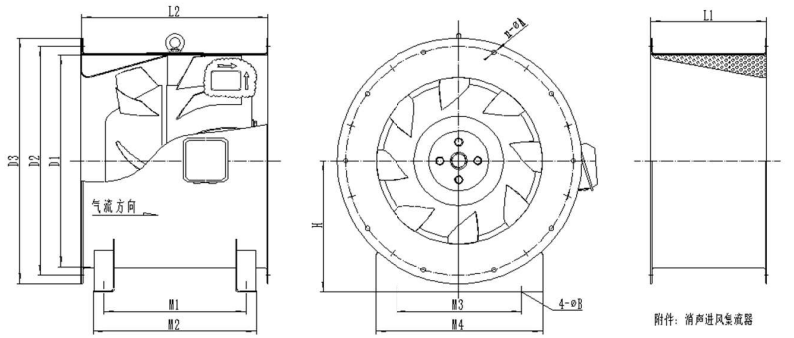








Outline dimension
六、外形尺寸图表



Outline dimensions for single speed fan 单速风机外形尺寸表

机号 Fan size	进风口尺寸 Inlet dimensions				外形尺寸L=L1+L2 Overall dimensions		机壳长度 L2 Casing length				底脚尺寸 Support dimensions										
	D1	D2	D3	n×Φa	H	L1	2P	4P	6P	8P	M4	M2 2P	M2 4P	M2 6P	M2 8P	M3	M1 2P	M1 4P	M1 6P	M1 8P	4×Φb
2.5A	360	390	420	8×Φ8.5	235	210	400	400	400		240	350	350	350		200	300	300	300		4×Φ11
3A	360	390	420	8×Φ8.5	235	210	400	400	400		240	350	350	350		200	300	300	300		4×Φ11
3.5A	394	424	454	8×Φ8.5	257	210	450	400	400		300	400	350	350		200	350	300	300		4×Φ11
4A	450	480	510	8×Φ10.5	285	240	590	400	400		400	530	350	350		300	480	300	300		4×Φ11
4.5A	510	550	586	12×Φ10.5	313	240	610	445	420		400	530	390	360		300	480	340	310		4×Φ11
5A	563	603	643	12×Φ10.5	350	250	740	490	470		500	630	470	400		400	580	420	350		4×Φ15
5.5A	619	659	699	12×Φ10.5	378	260		500	440	500	500		470	430	470	400		420	380	420	4×Φ15
6A	675	715	755	12×Φ10.5	406	300		570	490	490	600		550	460	460	500		500	410	410	4×Φ15
6.5A	732	772	812	16×Φ10.5	434	330		630	550	500	600		610	530	460	500		560	480	410	4×Φ15
7A	788	828	868	16×Φ10.5	473	380		760	570	500	600		700	500	460	500		650	450	410	4×Φ15
7.5A	844	884	924	16×Φ10.5	501	400		780	600	570	700		700	500	500	600		650	450	450	4×Φ17
8A	900	940	980	16×Φ12.5	534	420		800	650	610	700		700	550	550	600		650	500	500	4×Φ17
8.5A	957	997	1037	16×Φ12.5	569	420		850	750	650	700		750	600	550	600		700	550	500	4×Φ17
9A	1013	1053	1093	16×Φ12.5	597	440		900	850	800	800		880	830	780	700		820	740	720	4×Φ19
9.5A	1070	1110	1150	16×Φ12.5	625	470		950	850	780	800		900	820	780	700		820	740	700	4×Φ19
10A	1125	1165	1205	20×Φ12.5	653	500		1000	900	840	900		950	850	780	800		870	770	700	4×Φ19
10.5A	1180	1230	1280	20×Φ12.5	690	530		1290	950	900	900		1120	870	810	800		1040	790	730	4×Φ19
11A	1237	1287	1337	20×Φ12.5	718	560		1340	950	900	1000		1170	890	830	900		1090	810	750	4×Φ19
11.5A	1294	1344	1394	20×Φ12.5	747	590		1485	960	900	1000		1310	790	740	900		1230	710	650	4×Φ21
12A	1350	1400	1450	20×Φ12.5	775	620		1565	1100	980	1000		1390	980	830	900		1310	900	750	4×Φ21
12.5A	1406	1456	1506	20×Φ12.5	803	650		1800	1200	1050	1100		1650	1050	900	1000		1550	950	800	4×Φ21
13A	1462	1512	1562	20×Φ12.5	831	680		1255★	1250	1100	1100		1050★	1100	1000	1000		950★	1000	900	4×Φ21
13.5A	1518	1568	1618	20×Φ12.5	859	710		1050★	1400	1150	1200		900★	1200	1050	1100		800★	1100	950	4×Φ21
14A	1574	1624	1674	24×Φ18.5	887	740		1130★	1500	1230	1200		950★	1300	1050	1100		850★	1200	950	4×Φ25

Note: the sizes with ★ are for motors with pole 10 and speed 560rpm, The customers shall specify that whether the silence-purpose inlet air collectors are necessary or not when ordering fans.

说明：★为 10 极 560rpm 尺寸；需带消声进风集流器，必须在订货时说明。

Outline dimensions for double speed fan 双速风机外形尺寸表

机号 Fan size	进风口尺寸 Inlet dimensions				外形尺寸L=L1+L2 Overall dimensions		底脚尺寸 Support dimensions														
	D1	D2	D3	n×Φa	H	L1	机壳长度 L2 Casing length				M4	M2				M3	M1				4×Φb
							2/4P	4/6P	6/8P	4/8P		2/4P	4/6P	6/8P	4/8P		2/4P	4/6P	6/8P	4/8P	
4.5A	510	550	586	12×Φ10.5	313	240	650	470			400	570	410			300	520	360			4×Φ11
5A	563	603	643	12×Φ10.5	350	250	790	490			500	680	470			400	630	420			4×Φ15
5.5A	619	659	699	12×Φ10.5	378	260		520	600	600	500		490	570	570	400		440	520	520	4×Φ15
6A	675	715	755	12×Φ10.5	406	300		610	570	650	600		590	550	630	500		540	500	580	4×Φ15
6.5A	732	772	812	16×Φ10.5	434	330		750	590	750	600		600	570	600	500		550	520	550	4×Φ15
7A	788	828	868	16×Φ10.5	473	380		810	610	810	600		660	540	660	500		610	490	610	4×Φ15
7.5A	844	884	924	16×Φ10.5	501	400		780	600	900	700		720	510	840	600		660	450	780	4×Φ17
8A	900	940	980	16×Φ12.5	534	420		800	700	860	700		710	610	770	600		650	550	710	4×Φ17
8.5A	957	997	1037	16×Φ12.5	569	420		950	800	950	700		860	660	860	600		800	600	800	4×Φ17
9A	1013	1053	1093	16×Φ12.5	597	440		960	950	1080	800		850	760	970	700		790	700	910	4×Φ19
9.5A	1070	1110	1150	16×Φ12.5	625	470		1100	950	1100	800		1050	780	1050	700		970	700	970	4×Φ19
10A	1125	1165	1205	20×Φ12.5	653	500		1220	950	1220	900		1060	840	1060	800		980	760	980	4×Φ19
10.5A	1180	1230	1280	20×Φ12.5	690	530		1290	950	1290	900		1120	870	1120	800		1040	790	1040	4×Φ19
11A	1237	1287	1337	20×Φ12.5	718	560		1340	950	1590	1000		1170	890	1420	900		1090	810	1340	4×Φ19

Note: The customers shall specify that whether the silence-purpose inlet air collectors are necessary or not when ordering fans.

说明：需带消声进风集流器，必须在订货时说明。

SDF Series Tunnel-style Axial Flow Fan

SDF 系列隧道式轴流风机

General Description

一、简述

Well designed aerodynamic characteristics

气动特性设计合理

The impeller, optimized by three-dimensional flow simulation and multi-objective design with CAD software, ensures the excellent aerodynamic performance of the fan through aerodynamic performance prediction and stress modal analysis.

The streamlined front cover perfectly improves the inlet airflow velocity field, produces higher efficiency and less noise of the fan.

The roundness of the air duct is in good level, which effectively reduces the internal turbulence of the fan.

The clearance between impeller and the duct wall is so small that reduces the secondary flow energy loss effectively.

叶轮由 CAD 系统软件，经三维流态模拟多目标优化设计，并作气动性能预示、应力模态分析，确保产品有优良的空气动力性能，高效区宽广，现场适应性强。

前流线罩改善入口气流速度场，提升效率降低噪声。

筒体工艺成型圆度好，减少内部紊流。

叶轮与筒壁间隙小，有效减少二次流能量损失。

Excellent performance and reliability

性能优良可靠性好

The actual measurements show the fan, with fan efficiency>60% and some fan sizes>68%, has flat efficiency curves and wide efficiency areas, which are beneficial to energy saving.

Special motor: the motor is special for the fan, with long service life.

Impeller structure: the well designed steel impellers with advanced process have high structure strength and good durability.

The power lines are covered with heat insulation flexible pipes so that the wiring can be out of the airflow.

经实测，风机效率＞60%，部分机号＞68%，具有效率曲线平坦、高效区宽的特点，有利于节能。

专用电机：配套风机专用电机，使用寿命长。

叶轮结构：优质钢材合理设计领先工艺确保产品具有高强度，经久耐用。

电源线软管保护，接线位于气流外。

Fine process and high structural strength

工艺精细，结构强度高

Air duct with elaborate production line: from precision cutting, robot automatic welding, end flange integration spinning molding to flange angles punching, the air duct has standard sizes, nice appearance and high structural strength.

The blade complete molds production process makes the blades have precision size and stable curved arc; the integral hub is compression molding with the hub edge strengthened by spinning and has the minimum mass and stress under the given rigidity and strength; with automatic robot welding, high tooling positioning accuracy and stable and reliable welding effect; the impeller of this series fan is statically and dynamically balanced to G2.5 (general fan reaches G6.3 only) balance grade of ISO standard, which ensures the long-term, stable and quiet running of the fan.

With electrostatic powder spraying production line via high temperature baking process, the fan has perfect anti-corrosion effect.

风筒流水线制作：精细下料、机器人自动焊接、端法兰一体化旋压成型、法兰转角冲孔，尺寸标准外形美观强度高。

叶片全模具化加工，保证叶型曲弧稳定尺寸精确；一体式轮毂模压成型、轮缘旋压加强，在保证给定的刚度和强度条件下，具有质量最轻、应力最少；叶轮机器人自动焊接，工装定位精度高、焊接效果稳定可靠；叶轮经静、动平衡校验，内控标准达到 ISO 标准的平衡等级 G2.5（一般产品仅 G6.3），确保产品能长期、稳定、安静运行。

流水线静电粉末喷涂，经高温烘烤，防腐效果好。

Wide range of application

适用范围广

The SDF fan mainly is used for ventilation of underground railways and also for ventilation of railway tunnels, caves, underground works and buildings.

The horizontal and vertical structures of this series fan can meet the requirements of occasions with different conditions.

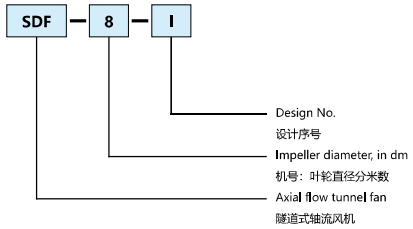
The inlet and outlet silencers or acoustic boxed may be provided for the user' s high requirements for noise.

主要用于地下铁道通风换气，亦可用于铁路隧道、山洞及地下工程和建筑物的通风换气。

可提供卧式、立式结构满足不同使用场合要求。

若用户对噪声有较高要求，进出口可配带消声器或外包消声箱处理。

Naming conventions
二、命名规范

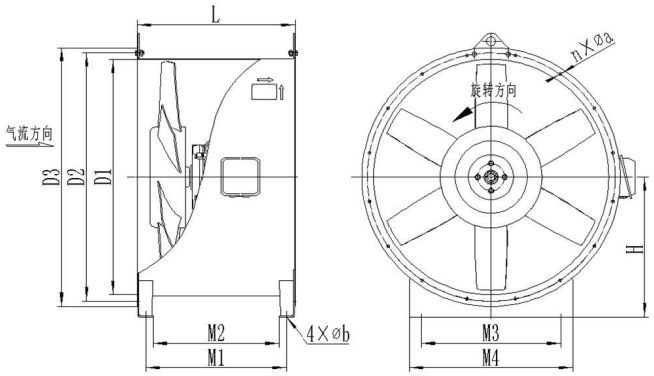


Note: when ordering fans, please specify the installation place, indoor or outdoor, the fans used in outdoor shall be marked with positive pressure air supply or exhaust, and the junction box, facing the left or right side of the fan outlet.

注：订货时请说明安装位置在室内或室外，室外风机注明正压送风或排风，接线盒位于面对出风口左侧或右侧。

Performance data table
三、产品性能参数表

型号 Type	叶轮直径 Impeller diameter(mm)	风量 Airflow volume (m^3/h)	全压 Total pressure (Pa)	转速 Speed (r/min)	装机容量 Motor power (kW)	最大弦长 Max chord (mm)	噪声 Noise dB (A)	日本JIS噪声值点 Japan (JIS) noise point mmax dB (A)
3.5	350	4000	343	2900	0.75	149	≤74	76
4	400	5000	343	2900	0.75	137	≤75	77
4.5	450	6500	343	2900	1.1	129	≤76	78
5	500	8000	343	1450	1.1	335	≤77	79
5.6	560	12000	441	1450	2.2	403	≤81	83
6.3I	630	17000	490	1450	3	371	≤83	86
6.3II	630	18000	490	1450	3	367	≤83	86
7	700	26000	588	1450	5.5	386	≤87	89
8I	800	30000	441	1450	5.5	276	≤85	87
8II	800	30000	539	1450	7.5	320	≤86	88
9I	900	35000	588	960	7.5	564	≤88	90
9II	900	40000	588	1450	11	363	≤90	92
10I	1000	40000	490	960	7.5	430	≤87	89
10II	1000	48000	588	960	11	500	≤89	92
10III	1000	50000	686	1450	11	378	≤90	92
11.2	1120	60000	686	960	18.5	507	≤91	94



Outline dimensions SDF 外形尺寸表

型号 Model	D1	D2	D3	M1	M2	M3	M4	L	H	n×φa	4×φb	kg
3.5	360	400	430	295	255	250	300	350	235	8×φ8.5	4×φ11	36
4	410	455	490	280	230	300	350	340	260	8×φ10.5	4×φ11	40
4.5	460	505	540	280	230	350	400	340	290	8×φ10.5	4×φ11	49
5	510	555	590	340	290	350	400	400	315	8×φ10.5	4×φ11	58
5.6	570	615	650	410	360	350	450	470	355	8×φ10.5	4×φ15	78
6.3Ⅰ	640	685	720	410	360	400	500	470	390	12×φ10.5	4×φ15	86
6.3Ⅱ	640	685	720	410	360	400	500	470	390	12×φ10.5	4×φ15	86
7	710	760	800	470	420	500	600	530	425	12×φ10.5	4×φ15	134
8Ⅰ	810	860	900	470	420	500	600	530	485	12×φ10.5	4×φ15	137
8Ⅱ	810	860	900	530	480	500	600	590	485	12×φ10.5	4×φ15	158
9Ⅰ	910	965	1010	625	565	600	700	700	545	16×φ12.5	4×φ19	232
9Ⅱ	910	965	1010	625	565	600	700	700	545	16×φ12.5	4×φ19	235
10Ⅰ	1010	1065	1110	625	565	600	700	700	600	16×φ12.5	4×φ19	246
10Ⅱ	1010	1065	1110	685	625	600	700	760	600	16×φ12.5	4×φ19	271
10Ⅲ	1010	1065	1110	625	565	600	700	700	600	16×φ12.5	4×φ19	250
11.2	1130	1185	1230	835	775	700	800	910	660	16×φ12.5	4×φ19	493

SJG Series Power-saving Low-noise Mixed Flow Fan

SJG系列节能低噪混流风机

SJG series power-saving,low-noise mixed flow fan is characterized by hi-efficiency,low-noise,compact structure,easy-installation and reliable operation. It's widely used in highclass civil building and kinds of factories,mills,plants etc for ventilating&exhausting. If conveying acid,al-kaline and other corrosive gas,the fan can all be made of FRP. In accordance with high requirement of noise,we can set a silencening section near the fan outlet to reduce the noise.

SJG 系列节能低噪混流风机具有效率高、噪声低、结构紧凑、安装方便、运行可靠等优点，广泛应用于工矿企业和高级民用建筑的送排风系统中。风机可根据用户要求制成全玻璃钢，以输送含酸碱性有腐蚀性的空气。对风机噪声有较高要求的场合，可在风机进出口前设置消声段，以进一步减低噪声。

SJG Series Power-saving Low-noise Mixed-flow Fan Performance Data Table

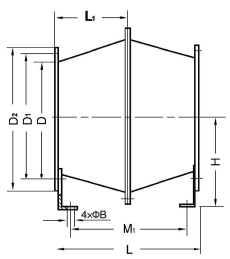
一、SJG 系列节能低噪混流式通风机技术性能参数

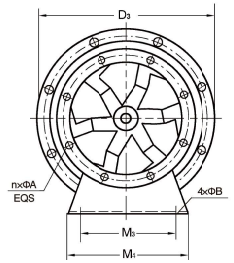
型号 Type	风量 Air flow (m^3/h)	全压 Total pressure (Pa)	转速 Speed (r/min)	功率 Power (kW)	壳体噪声 Casing niose dB(A)	重量 Weight (kg)
2	520	352	2900	0.25	≤65	15
	760	280				
	1040	220				
	260	88	1450	0.04	≤56	
	380	70				
	520	55				
2. 5	894	660	2900	0.75	≤75	22
	1220	600				
	2180	440				
	447	165	1450	0.09	≤60	
	610	150				
	1090	110				
3	1498	960	2900	1.1	≤77	25
	3020	680				
	4360	520				
	749	240	1450	0.18	≤60	
	1510	170				
	2180	130				
3.5	3974	800	2900	2.2	≤82	40
	5920	760				
	6220	440				
	1516	278	1450	0.37	≤68	42
	2240	265				
	3118	250				
	1000	120	960	0.18	≤60	
	1480	116				
	2064	108				
4	2530	390	1450	0.75	≤72	62
	4170	280				
	5180	220				
	2010	150	960	0.18	≤60	60
	3180	122				
	4090	96				
4.5	4050	480	1450	1.1	≤73	75
	6120	350				
	7060	250				
	2910	275	960	0.37	≤65	66
	3890	180				
	4980	100				
5	7062	370	1450	2.2	≤78	100
	8076	360				
	8648	350				
	3510	210	960	0.75	≤70	85
	4680	200				
	6050	170				
6	8200	870	1450	5.5	≤82	160
	12400	690				
	17900	380				
	6040	360	960	1.5	≤72	148
	8100	260				
	10400	240				
7	8110	400	960	3	≤78	210
	15040	350				
	18120	260				
8	10110	500	960	5.5	≤82	315
	15070	450				
	25120	400				

SJG Series Mixed-flow Fan Mounting Sketch And Overall Dimensions

二、SJG 系列混流式通风机安装及外形尺寸

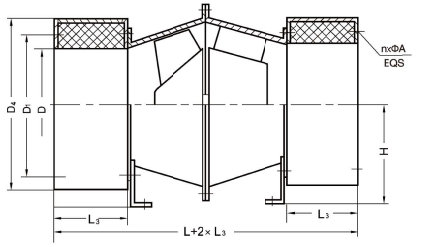
型号 Model	D	D1	D2	D3	L1	M1	L	M3	M4	H	n× ϕ A	ϕ B
2	Φ200	Φ240	Φ264	Φ347	150	236	300	110	160	180	4xΦ7	11
2.5	Φ250	Φ290	Φ314	Φ417	150	236	300	150	200	215	4xΦ10	11
3	Φ300	Φ340	Φ364	Φ523	180	296	360	190	240	270	4xΦ10	11
3.5	Φ350	Φ390	Φ414	Φ559	220	364	440	230	280	285	8xΦ10	11
4	Φ400	Φ440	Φ470	Φ650	200	324	400	270	320	335	8xΦ12	15
4.5	Φ450	Φ505	Φ535	Φ721	240	404	480	300	360	370	8xΦ12	15
5	Φ500	Φ555	Φ585	Φ750	270	464	540	380	460	384	12xΦ12	15
6	Φ600	Φ665	Φ700	Φ976	320	554	640	420	500	495	12xΦ12	15
7	Φ700	Φ760	Φ800	Φ903	320	554	640	500	600	470	16xΦ12	19
8	Φ800	Φ860	Φ906	Φ1085	400	714	800	580	700	565	16xΦ12	19

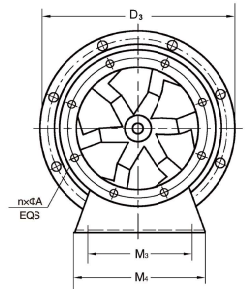




SJG-BX Silencing Mixed-flow Fan Mounting Sketch&overall Dimonsions

三、SJG-BX 型消声型混流式通风机安装及外形尺寸





型号 Model	D	D1	D4	L3	n× ϕ A	型号 Model	D	D1	D4	L3	n× ϕ A
2	Φ200	Φ240	Φ400	200	4xΦ7	4.5	Φ450	Φ505	Φ650	450	8xΦ12
2.5	Φ250	Φ290	Φ450	250	4xΦ10	5	Φ500	Φ555	Φ700	500	12xΦ12
3	Φ300	Φ340	Φ500	300	8xΦ10	6	Φ600	Φ665	Φ800	600	12xΦ12
3.5	Φ350	Φ390	Φ550	350	8xΦ10	7	Φ700	Φ760	Φ900	700	16xΦ12
4	Φ400	Φ440	Φ600	400	8xΦ12	8	Φ800	Φ860	Φ1000	800	20xΦ12

Note: when ordering fans, please specify the installation place, indoor or outdoor, the fans used in outdoor shall be marked with positive pressure air supply or exhaust, and the junction box, facing the left or right side of the fan outlet.

注：订货时请注明安装位置在室内或室外；室外风机注明正压送风或排风，接线盒位于面对出风口左侧或右侧。

DZ Series Low-noise Axial-flow Fan

DZ系列低噪声轴流通风机

DZ series low-noise axial flow fan is a new product jiontly developed by Shanghai Jiaotong University and Zhejiang Shuangyang Fan Co. , Ltd. Starting with the investigation of sound source,we used low-speed and high-pressure coefficient in design,and developed long chord,space twisting,inclined wide blades so that it can get required air-flow rate and air-pressure under the premise of low speed. It has feature of high efficiency,low niose,power-saving,stable operation.

This product is widely used for enterprises and mines,esp.civil building's station&wing ventilating,roof ventilating,and also used for chemical industry,light industry foodmaking,medicine and metallurgy industry. It is highly praised by the users and spcialists.

DZ系列低噪声轴流风机系上海交大、浙江双阳风机有限公司共同研制，采用从声源入手、低转速、高压力系数的设计方法，研制成宽叶片、大弦长、空间扭曲、倾斜式叶形，使其在低速驱动的前提下，达到所需风量、风压的目的，具有效率高、噪声低、能耗省、运转平稳等特点。

本系列产品广泛应用于工矿企业、民用建筑的壁式排风、岗位送风、屋顶通风等；应用于化工、轻工、食品、医药、冶金等工矿企业及各类民用建筑的通风空调系统。经大量用户实际使用证明和专家鉴定，给予高度评价。

DZ Series Low-noise Axial-flow Fan Specifications

一、DZ 系列低噪声轴流通风机性能参数表

类别 Class	型号 Type	机号 No.	风量 Air flow (m^3/h)	静压 Static pressure (Pa)	转速 Speed (r/min)	电机容量 Motor power(kW)	噪声 Niose dB(A)	重量 Weight (kg)	备注 Note
壁式 Wall Stype	DZ-11	2.2C	400		1450	0.025	54	11	适用于食堂、餐厅、各类工业厂房的排风，宜安装在墙壁中。
		3C	1600		1450	0.06	63.5	14.5	
		4B	4000		960	0.25	64.5	28	
		5A	6000		720	0.25	64	36.5	
		5B	7000		960	0.37	70	36.5	
		6A	9500		720	0.55	69	46	
		7A	15000		720	1.1	72	80	
		8A	22000		720	1.5	77	98	
岗位式 Station Style	DZ-12	3C	1600		1450	0.06	61.5	18.5	适用于各类工作场所、工作岗位的通风换气。
		4B	4000		960	0.25	64.5	23	
		5A	6000		720	0.25	64	65	
		5B	7000		960	0.37	69	50	
		6A	9500		720	0.55	69	55	
		6B	14000		960	1.1	77	68.5	
		7A	14500		720	1.1	71	93	
		7B	22000		960	2.2	78	118	
		7C	25000		1450	3	81	110	
		8A	23000		720	1.5	77	98	
管道式 Channel Style	DZ-13	2.5D	2000	150	2800	0.37	65	10	
		3C	1600	25	1450	0.06	61.5	14.5	
		3.2D	3000	160	2800	0.37	68	18	
		4C	5000	80	1450	0.55	69	18.5	
		5B	5500	80	960	0.37	70	36.5	
		5C	7000	90	1450	0. 75	75	43	
		6B	10000	100	960	1.1	77.5	79	
		6C	15000	90	1450	2. 2	80.5	83	
		7A	14000	70	720	1.1	69	80	
		7B	18000	120	960	2.2	78	102	
		7C	20000	150	1450	3	81.5	103	
		8A	20000	70	720	1.5	76.5	98	
		8B	25000	90	960	2.2	80.5	112	
		8C	28000	100	1450	4	81.5	122	
		10A	38000	65	720	3	81	181	
		10B	48500	116	960	5.5	85	196	

Note: 1. Noise level is tested according to GB/T2888-1991 standard. 2. We are glade to carry on new design and remake according to the special requirement of our customers.

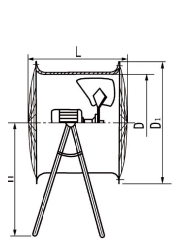
注：1. 噪声按 GB/T2888-1991 标准测试；2. 用户对风机性能有特殊要求，我公司愿承接新的设计或改型。

Table Of DZ Series Low-noise Axial-flow Fan Dimensions

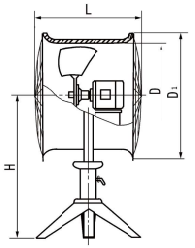
二、DZ 系列低噪声轴流通风机外形尺寸表

Turning Standing Style 撑脚式旋转式

型号 Model	D	D_1	L	H
3	308	400	280	630
4	410	500	350	630
5	510	610	350	630
6	610	725	530	915
7	710	830	530	915
8	810	930	560	915
9	910	1060	560	1000
10	1010	1160	580	1000



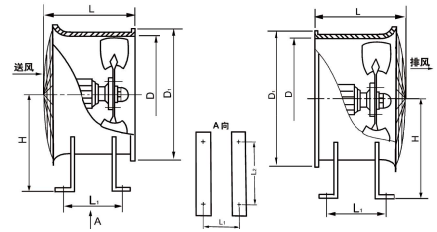
撑脚式 Standing Style



旋转式 Turning Style

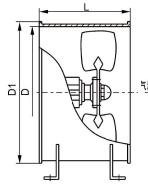
Fixed Style 固定式

型号 Model	D	D_1	L_1	L_2	L	H
3	308	367	240	180	260	214
4	410	480	300	200	330	267
5	510	582	300	300	330	318
6	610	692	450	400	480	378
7	710	792	460	500	500	430
8	810	912	460	500	500	490
9	910	1014	460	600	500	538
10	1010	1114	540	600	580	595

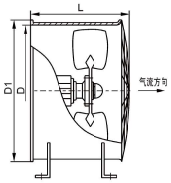


Channel Style 管道式

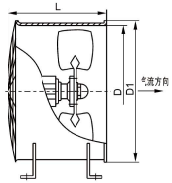
型号 Model	D	D_1	L
2.2	228	298	260
2.5	258	328	260
3	308	400	260
3.2	328	420	280
4	410	500	330
5	510	610	330
6	610	725	480
7	710	830	500
8	810	930	500
10	1010	1160	580



管道式(两边接风管) piping type (connect the fan pipe in both sides)



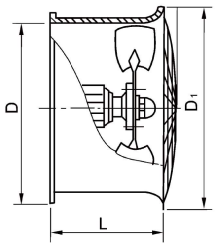
管道式(排风一边接风管) piping type (connect the fan pipe in eject wind side)



管道式(送风一边接风管) piping type (connect the fan pipe in deliver wind side)

Wall Style 壁式

型号 Model	D	D_1	L
2.2	228	298	260
3	308	400	260
3.2	328	420	280
4	410	500	330
5	510	610	330
6	610	725	480
7	710	830	500
8	810	930	500
10	1010	1160	580



DFBZ Series Square Wall-mounting Low-noise Axial-flow Fan

DFBZ系列低噪声方型壁式轴流风机

Featured by hi-efficiency,low-noise and stable-operation,the DFBZ series fans with al-alloy impeller are widely used for wall-ventilating in kinds of enterprises and mines,civil buildings,gymnasiums and public places of enter-tainment. The fans have always been highly spoken of by users and specialists because of strong points below:

1. Be made into square shape,the fan looks nice,mounts conveniently. It is only needed to put into the square hole left beforehand in the wall when mounting,and then lightened with stopper cork or rubber between the wall and the casing.

2. Equiped with water-guard al-alloy bloast hole,the fan always successfully prevent the outer rain&wind from flowing back Wards.

3. The fan's casing is professionally designed to noise elimination using sound-absorbing material inside. The non-dis-assemble mounting make the fan firm,small-vibration,stable-operation and low-noise.

4、For adapting explosion-proof environment,square wall-mounting low-noise axial-flow fan can be made into explosion-proof type,model:BDFBZ,our company can produce fans with explosion-proof class Exd IIB T4 Gb, Ex certificate NO.：CNEx13. 4312X;for Exd IIC T4 Gb，Ex certificate NO.：CNEx15. 0995X;for Ex tD A21 IP65 T130℃, Ex certificate NO.：CNEx15. 0992X.

DFBZ 系列风机具有明显的效率高、噪声低、运行平稳等特点，叶轮采用铝合金制成，广泛适用于工矿企业、民用建筑、体育馆、各种娱乐场所的壁式排风，并具有以下特点：

1. 外形美观，安装方便，整机制成方形，安装前，墙体按不同机号预留方孔，安装时，风机从墙体外侧放入墙洞，外壳与墙体之间塞以橡皮或软木即可。

2. 风机靠外墙侧装有铝合金防水风口，可以防止室外雨水和自然风向室内倒灌。

3. 风机带有消声外壳，内置吸声材料，方形整体安装牢固、振动小，运行平稳，噪声低。

4. 为适应防爆环境，低噪声方形壁式轴流风机可做成防爆型，防爆型型号为 BDFBZ, 本公司可生产的防爆等级有 Exd IIB T4 Gb, 防爆合格证编号为：CNEx13. 4312X; Exd IIC T4 Gb, 防爆合格证编号为：CNEx15. 0995X; Ex tD A21 IP65 T130℃, 防爆合格证编号为：CNEx15. 0992X

DFBZ Series Low-noise Axial-flow Fan Specifications

一、DFBZ 系列低噪声轴流通风机性能参数表

机号 No.	风量 Air flow (m^3/h)	全压 Total Pressure (Pa)	功率 Power (KW)	转速 Speed (r/min)	噪声 Niose dB(A)	重量 Weight (kg)
2.8	950	41	0.04	1450	≤55	18
	1230	45	0.04		≤60	18
	1650	58	0.06		≤60	20
3.2	1720	56	0.04	1450	≤61	21
	1940	62	0.06		≤62	24
	2250	68	0.09		≤63	27
3.6	2010	65	0.06	1450	≤62	28
	2480	73	0.09		≤63	31
	3370	76	0.12		≤63	35
4.0	3540	89	0.12	1450	≤62	37
	4080	95	0.18		≤63	40
	4470	109	0.25		≤63	41
4.5	4510	114	0.18	1450	≤64	42
	5870	121	0.25		≤65	47
	6360	139	0.37		≤66	49
5.0	6170	135	0.25	1450	≤65	50
	6920	142	0.37		≤66	55
	7890	147	0.55		≤68	63
5.6	6400	78	0.37	960	≤69	61
	7410	82	0.37		≤69	68
	8060	94	0.37		≤70	68
6.3	9760	92	0.37	960	≤70	70
	10570	102	0.37		≤70	70
	12000	118	0.75		≤72	79
7.1	12400	132	0.75	960	≤72	85
	13430	146	1.1		≤75	92
	15240	169	1.1		≤73	74
8	15750	189	1.5	960	≤73	101
	17050	208	1.5		≤73	101
	19350	242	2.2		≤74	112
9	20710	173	2.2	960	≤74	135
	29000	180	3		≤75	150
	34270	297	4		≤77	169

Model Specifications Of DFBZ Series Fan

二、DFBZ 系列低噪声方型壁式轴流风机型号说明

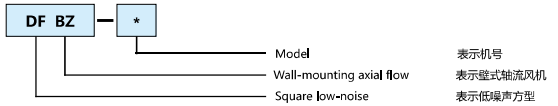
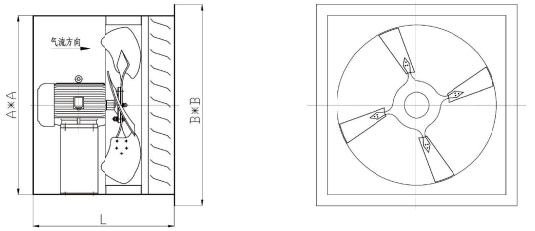


Table Of DFBZ Series Fan Overall And Mounting Dimension

三、DFBZ 系列低噪声方型壁式轴流风机外形及安装尺寸表



机号No.	L	AxA	BxB	墙体开洞尺寸（mm）
2.8	320	350x350	400x400	365x365
3.2	320	390x390	440x440	405x405
3.6	320	430x430	480x480	445x445
4.0	360	470x470	520x520	485x485
4.5	360	520x520	570x570	535x535
5.0	380	570x570	620x620	585x585
5.6	380	630x630	680x680	645x645
6.3	420	700x700	750x750	715x715
7.1	450	780x780	840x840	800x800
8.0	500	870x870	930x930	890x890
9.0	550	970x970	1030x1030	990x990

Mounting Chart Of DFBZ Series Fan

四、DFBZ 系列低噪声方型壁式轴流风机安装示意图



DFBZ-X Series Wall Mounting Low Noise Square Axial Flow Fan

DFBZ-X系列低噪声方型壁式轴流风机

The external rotor motor is used in DFBZ-X series wall mounting low noise square axial flow fan,and the blades are directly mounted on the motor. With compact structure,low noise,smooth operation,lighter weight and other advantages,this series fans are widely used for wall mounting exhausting and supplying air in industrial and mining enterprises,civil buildings,gymnasiums and all kinds of entertainments.

This series fans have thirteen specifications with impeller diameter 200-900mm,each has five blades,and the airflow volume is 450-32520 m³/h.

The three-phase fan is driven by three-phase asynchronous motor with the power 380V/50Hz; And the single-phase fan is driven by single-phase capacitor run asynchronous motor,and the power is 220V/50Hz. We can use the motor with different voltage and frequency according to the requirements of clients. Please contact us if you need.

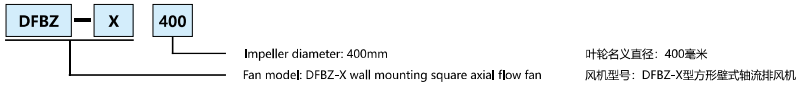
DFBZ-X 系列低噪声方型壁式轴流风机采用外转子电机，叶片直接安装在电机本体上，具有结构更紧凑、噪声更低、运行更平稳、重量更轻等优点，广泛应用于工矿企业、民用建筑、体育馆、各种娱乐场所等的壁式送排风。

风机叶轮直径为 200-900mm 共 13 个规格，每一规格风机叶片数均为 5 片，风量范围为 450-32520m³/h.

三相风机采用三相异步电动机驱动，电源为 380V/50Hz; 单相风机采用单相电容运转异步电动机驱动，电源为 220V/50Hz. 我们可以根据客户要求配用不同电压、频率的电机，敬请垂询。

Model Instruction For The DFBZ-X

一、型号说明



Parameter Table For DFBZ-X

二、DFBZ-X 系列低噪声方型壁式轴流风机参数表

机号 No.	风量 Air flow (m^3/h)	转速 Speed (r/min)	功率 Power (KW)	额定电压 Rated voltage (v)	噪声 Niose dB(A)	重量 Weight (kg)	机号 No.	风量 Air flow (m^3/h)	转速 Speed (r/min)	功率 Power (KW)	额定电压 Rated voltage (v)	噪声 Niose dB(A)	重量 Weight (kg)
200	1080	2580	81	220	50	14	500	6246	1380	270	380	72	37
	830	1440	66	220	45	14		6046	1340	300	220	72	37
	830	1440	30	380	45	14		5800	960	186	380	68	37
250	1367	2310	97	380	60	16		5800	900	230	220	68	37
	1358	2590	110	220	60	16	550	8487	1300	515	380	75	40
	1132	1420	45	380	58	16		8268	1300	650	220	75	40
	1108	1390	62	220	58	16		6509	950	330	380	70	40
300	2800	2550	140	380	60	18		6348	900	330	220	70	40
	2800	2530	140	220	60	18	600	12500	1350	620	380	78	65
	1831	1380	87	380	58	18		10500	1300	650	220	78	65
	1743	1340	100	220	58	18		9400	950	390	380	72	65
350	3170	1400	110	380	62	24		9400	960	420	220	72	65
	2973	1400	110	220	62	24	630	13000	1340	700	380	78	78
	2100	920	90	380	56	24		11000	1300	700	220	78	78
	2000	920	90	220	56	24		9500	900	560	380	75	78
400	4500	1400	320	380	68	27		9500	900	560	220	75	78
	4400	1380	190	220	68	27	710	15670	900	825	380	80	92
	3200	920	110	380	58	27		12750	740	500	380	80	92
	3200	920	110	220	58	27	800	20038	890	1080	380	82	101
450	5600	1380	260	380	68	31		16082	680	580	380	82	101
	5507	1340	226	220	68	31	900	32520	850	1375	380	85	135
	4600	930	120	380	60	31		26510	610	780	380	85	135
	4600	920	160	220	60	31							

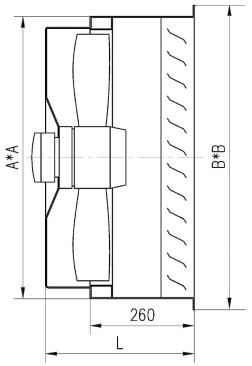
Outline and Mounting Size Table for DFBZ-X

三、DFBZ-X 系列低噪声方型壁式轴流风机外形及安装尺寸图

机号 NO.	A (mm)	B (mm)	L (mm)	墙体开洞尺寸 (mm)
200	270	320	330	280×280
250	320	370	340	330×330
300	370	420	340	380×380
350	420	470	350	430×430
400	470	520	350	480×480
450	520	570	350	530×530
500	570	620	350	580×580
550	620	670	360	630×630
600	670	720	360	680×680
630	700	750	360	710×710
710	820	870	445	830×830
800	920	970	445	930×930
900	1020	1070	445	1030×1030

Note: If the fan is explosion proof type or with damper,its construction is built as BDFBZ standard construction.

备注：如风机需配带风阀或风机为防爆型，其风机结构按 BDFBZ 标准型式制造。



WEX (WSP) Series Square Wall-mounting Low-noise Axial-flow Exhaust (Supply) Fan

WEX (WSP) 系列低噪声方型壁式轴流排（送）风机

Depend on the past successful experience on axial-flow fan,and assimilated the advantage of the congeneric products of home and abroad, our company has developed the WEX (WSP) serise square wall-mouting low-noise axial-flow exhaust (supply) fan by taking accurate calculating and repeating experimentation . Properties of this propuct are advantageous over other products of home and abroad.

Featured by hi-efficiency,low-noise and stable-operation,the WEX (WSP) series square wall-mounting low-noise axial-flow exhaust (supply) fans with al-alloy impeller are widely are widely used for wall-ventilating in kinds of enterprises and mines,civil building,gymnasiums and public places of entertainment.

WEX (WSP) 系列低噪声方型壁式轴流排（送）风机是我公司在吸收和借鉴了国内外同类产品优点的基础上，结合公司多年来专业研发轴流类风机的成功经验，经过大量的精确计算和反复的模型试验，试制成功的一款新型轴流风机。该款风机各项技术性能指标均领先于国内同类产品。

WEX (WSP) 系列低噪声方型壁式轴流排（送）风机具有明显的效率高、噪声低、运行平稳等特点，叶轮采用铝合金制成，广泛适用于工矿企业、民用建设、体育馆、各种娱乐场所等地方的壁式排风。

Denomination criterion

一、命名规范

WEX — 400 — 0.12

- Motor power: 0.12kW　电机功率：0.12kW
- Impeller diameter: 400mm　叶轮名义直径：400毫米
- Fan model: WEX series square wall-mounting axial-flow exhaust fan　风机型号：WEX型方型壁式轴流排风机

WSP — 400 — 0.12

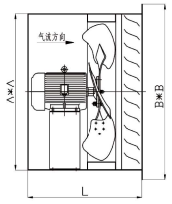
- Motor power: 0.12kW　电机功率：0.12kW
- Impeller diameter: 400mm　叶轮名义直径：400毫米
- Fan model: WEX series square wall-mounting axial-flow exhaust fan　风机型号：WEX型方型壁式轴流排风机

Table Of WEX (WSP) Series Axial-flow Exhaust (Supply) Fan Overall And Mounting Dimension

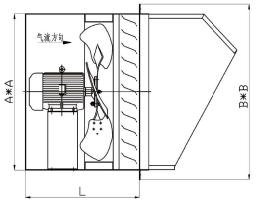
二、WEX (WSP) 系列低噪声方型壁式轴流排（送）风机外形及安装尺寸图

机号 NO.	A (mm)	B (mm)	L (mm)	墙体开洞尺寸（mm）
280	350	400	320	365×365
315	390	440	320	405×405
360	430	480	320	445×445
400	470	520	360	485×485
450	520	570	360	535×535
500	570	620	380	585×585
560	630	680	380	645×645
630	700	750	420	715×715
710	780	840	450	800×800
800	870	930	500	890×890

不带防雨弯头



带防雨弯头



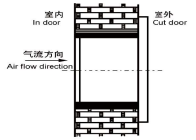
Performance par ameter list

三、性能参数

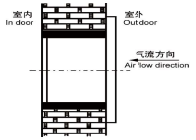
机号 No.	风量 Air flow (m^3/h)	全压 Total Pressure (Pa)	功率 Power (KW)	转速 Speed (r/min)	叶片角度 Angle (deg)	重量 Weight (kg)
280	830	40	0.025	1450	15	12
	1092	45	0.025		20	12
	1371	46	0.025		25	12
	1471	50	0.040		30	12
	1610	62	0.040		35	12
315	1171	50	0.025	1450	15	15
	1541	55	0.040		20	15
	1912	57	0.040		25	15
	2078	62	0.060		30	16
	2278	76	0.090		35	16
360	1682	63	0.04	1450	15	18
	2212	70	0.06		20	19
	2740	73	0.09		25	19
	2979	78	0.09		30	19
	3268	96	0.12		35	29
400	2410	81	0.09	1450	15	24
	3167	89	0.12		20	34
	3925	91	0.12		25	34
	4261	98	0.18		30	34
	4678	125	0.25		35	34
450	3431	102	0. 12	1450	15	40
	4509	116	0.18		20	40
	5886	118	0.25		25	41
	6074	125	0.37		30	41
	6663	159	0.37		35	41
500	4708	128	0.25	1450	15	47
	6185	140	0.37		20	47
	7662	145	0.37		25	47
	8840	158	0.55		30	49
	9140	192	0.75		35	49
	3320	55	0.37	960	15	49
	4231	61	0.37		20	49
	5121	63	0.37		25	49
	5570	67	0.37		30	49
	6112	84	0.37		35	49
560	4365	70	0.37	960	15	58
	5736	76	0.37		20	58
	7109	79	0.37		25	58
	7726	86	0.37		30	58
	8479	108	0.37		35	58
630	6223	88	0.37	960	15	66
	8179	97	0.37		20	66
	10132	100	0.37		25	66
	11024	107	0.75		30	74
	12091	135	0.75		35	74
710	8909	116	0.75	960	15	82
	11710	127	0.75		20	82
	14503	129	0.75		25	82
	15772	138	0.75		30	82
	17306	171	1.1		35	82
800	12381	142	0.75	960	15	90
	16741	157	1.1		20	90
	20741	161	1.5		25	99
	22603	172	1.5		30	99
	24746	216	2.2		35	107

Installation Sketch Map Of WEX (WSP) Series Axial-flow Exhaust (Supply) Fan

四、WEX (WSP) 系列低噪声方型壁式轴流排（送）风机安装示意图



排风



送风

WEX-X (WSP-X) Series Wall Mounting Low Noise Square Axial Flow Exhaust (Supply) Fan

WEX-X (WSP-X) 系列低噪声方型壁式轴流排（送）风机

WEX-X (WSP-X) 系列低噪声方型壁式轴流风机采用外转子电机，叶片直接安装在电机本体上，具有结构更紧凑、噪声更低、运行更平稳、重量更轻等优点，广泛应用于工矿企业、民用建筑、体育馆、各种娱乐场所等的壁式送排风。

风机叶轮直径为 200-900mm 共 13 个规格，每一规格风机叶片数均为 5 片，风量范围为 450-32520m³/h。

三相风机采用三相异步电动机驱动，电源为 380V/50Hz; 单相风机采用单相电容运转异步电动机驱动，电源为 220V/50Hz. 我们可以根据客户要求配用不同电压、频率的电机，敬请垂询。

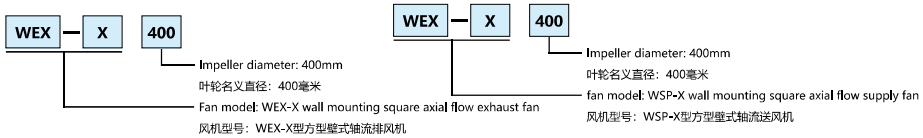
The external rotor motor is used in WEX-X (WSP-X) series wall mounting low noise square axial flow fan,and the blades are directly mounted on the motor. With compact structure,low noise,smooth operation,lighter weight and other advantages,this series fans are widely used for wall mounting exhausting and supplying air in industrial and mining enterprises,civil buildings,gymnasiums and all kinds of entertainments.

This series fans have thirteen specifications with impeller diameter 200-900mm,each has five blades,and the airflow volume is 450-32520 m³/h.

The three-phase fan is driven by three-phase asynchronous motor with the power 380V/50Hz; And the single-phasefan is driven by single-phase capacitor run asynchronous motor,and the power is 220V/50Hz. We can use the motor with different voltage and frequency according to the requirements of clients. Please contact us if you need.

Denomination Criterion

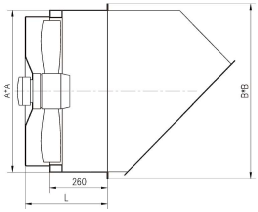
一、命名规范



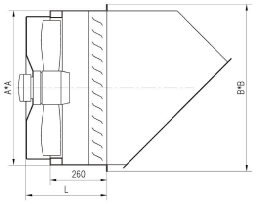
Outline And Mounting Size Table For WEX-X (WSP-X)

二、WEX-X (WSP-X) 系列低噪声方型壁式轴流排（送）风机外形及安装尺寸图

机号 NO.	A (mm)	B (mm)	L (mm)	墙体开洞尺寸（mm）
200	270	320	330	280×280
250	320	370	340	330×330
300	370	420	340	380×380
350	420	470	350	430×430
400	470	520	350	480×480
450	520	570	350	530×530
500	570	620	350	580×580
550	620	670	360	630×630
600	670	720	360	680×680
630	700	750	360	710×710
710	820	870	445	830×830
800	920	970	445	930×930
900	1020	1070	445	1030×1030



Fan diagram without louver
风机不带百叶示意图



Fan diagram with louver
风机带百叶示意图

Note: 45° weather elbow is the standard part for this series fan, 90° weather elbow or louver can be provided as required.

备注：本型号风机标配 45° 防雨弯头，可根据实际需要选配 90°防雨弯头或选配百叶。

Parameter Table For WEX-X (WSP-X)

三、WEX-X (WSP-X) 系列低噪声方型壁式轴流排（送）风机参数表

机号 No.	风量 Air flow (m³/h)	转速 Speed (r/min)	功率 Power (kW)	额定电压 Rated voltage(v)	噪声 Noise dB (A)	重量 Weight (kg)
200	1080	2580	81	220	50	14
	830	1440	66	220	45	14
	830	1440	30	380	45	14
250	1367	2310	97	380	60	16
	1358	2590	110	220	60	16
	1132	1420	45	380	58	16
	1108	1390	62	220	58	16
300	2800	2550	140	380	60	18
	2800	2530	140	220	60	18
	1831	1380	87	380	58	18
	1743	1340	100	220	58	18
350	3170	1400	110	380	62	24
	2973	1400	110	220	62	24
	2100	920	90	380	56	24
	2000	920	90	220	56	24
400	4500	1400	320	380	68	27
	4400	1380	190	220	68	27
	3200	920	110	380	58	27
	3200	920	110	220	58	27
450	5600	1380	260	380	68	31
	5507	1340	226	220	68	31
	4600	930	120	380	60	31
	4600	920	160	220	60	31
500	6246	1380	270	380	72	37
	6046	1340	300	220	72	37
	5800	960	186	380	68	37
	5800	900	230	220	68	37
550	8487	1300	515	380	75	40
	8268	1300	650	220	75	40
	6509	950	330	380	70	40
	6348	900	330	220	70	40
600	12500	1350	620	380	78	65
	10500	1300	650	220	78	65
	9400	950	390	380	72	65
	9400	960	420	220	72	65
630	13000	1340	700	380	78	78
	11000	1300	700	220	78	78
	9500	900	560	380	75	78
	9500	900	560	220	75	78
710	15670	900	825	380	80	92
	12750	740	500	380	80	92
800	20038	890	1080	380	82	101
	16082	680	580	380	82	101
900	32520	850	1375	380	85	135
	26510	610	780	380	85	135



T35-11 (T40-11) Series Axial-flow Fan
T35-11 (T40-11) 系列轴流式通风机

General Description
一、简述

Series T35-11 Axial-flow fan was designed and reformed in 1980's on basis of series T30-11 axial- flow fan and has evident advantages compared with series T30-11:1、Optimized construction and low flow loss,high strengh at blade root.2、Obvious improvement of performance,rate of total pressure efficiency is 89.5 percent,noise level reduce by 3.6dB (A) .

This series fits to transport uninflammable,unexplosive and uncorrosive gas with low dust content at surrounding temperature not over 60℃,and has wide application in the fieds of ventilation in factory,office and department,fields of strong thermal diffusion of warm air,also may be assembled as series connection with a distance from each other in pipe system to increase air pressure.

This series has thirteen kinds of impeller diameter altogether,each has four blades with five angle forms of 15° , 20° , 25° , 30 ° , 35,wide parameters,and air flow from 826m³/h to 67892m³/h,air pressure from 39 to 483Pa (detailed please see the preformance parameters table) .

This series is comprised of four major parts of impeller,casing,collector and motor,among which impeller directly connects with motor,and rotates in left-handed direction.

Serise FT35-11 anticorrosive axial- flow fan,is new designed based on series T35-11 fan by adopting corrosion- resistant materials and epoxy paint and anticorrisive motor,and fits to convey corrosive gas.

Series BT35-11 fan is drivative product of Series T35-11 and used to convey inflammable,corrosive gas. Its impeller is made from aluminum alloy to avoid sparkle when running,and exploding isolation motor attached.

The performance,parameters,outlining dimensions and operating instructions of Series FT35-11 and BT35-11 are the same as that of series T35-11.

For adapting explosion-proof environment,this axial-flow fan can be made into explosion-proof type,model: BT35-11,our company can produce fans with explosion-proof class Exd IIB T4 Gb, Ex certificate NO. : CNEx13. 4316X;for Exd IIC T4 Gb, Ex certificate NO. :CNEx14. 0980X; for Ex tD A21 IP65 T130℃, Ex certificate NO. : CNEx15. 0993X.

T35-11 系列轴流式通风机是我国八十年代在 T30-11 的基础上改进设计的新型风机，它与 T30-11 风机相比具有明显优点：1. 结构更合理：轮毂设计更合理，减少流动损失。叶片根部强度高。2. 性能有较大提高；全压效率为 89. 5%, 噪声（比 A 声级）降低 3. 6dB(A) 。

本系列风机适用于输送非易燃易爆无腐蚀无显著粉尘的气体，环境温度不得超过 60℃, 广泛应用于工厂、仓库、办公室、住宅内通风换气或强暖气散热，也可在较长的排气管道内间隔串联安装，以提高管道中的压力；卸下机壳还可做自由风扇用。

本系列风机叶轮直径由小到大共有十三个规格，每一规格风机的叶片数都为 4 片，叶片角度有 15°、20°、25°、30°、35°五种，参数范围广，风量 826-67892m³/h, 风压 39-483Pa (详见性能参数表)。

本系列风机有叶轮、机壳、集流器及电机等主要部件组成，叶轮与电机联接，叶轮转向为左旋（电机端看)。

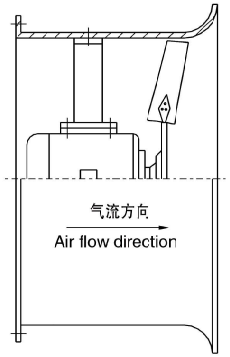
防腐轴流式通风机（FT35-11 型）是采用防腐材料外涂环氧漆加工而成的 T35-11 型通风机，电机采用特种防腐电机，用于输送有腐蚀性的气体。防爆轴流风机（BT35-11 型）也是 T35-11 的派生产品，用于输送易燃易爆的气体，叶轮用铝合金加工而成，以防在运转中引起火花，电机配用隔爆型电机。

FT35-11 型及 BT35-11 型风机的性能参数、外形尺寸及其注意事项都同 T35-11 型风机一样。

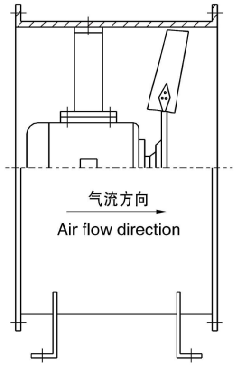
为适应防爆环境，该轴流式通风机可做成防爆型，防爆型型号为 BT35-11, 本公司可生产的防爆等级有 Exd IIB T4 Gb, 防爆合格证编号为：CNEx13. 4316X; Exd IIC T4 Gb, 防爆合格证编号为：CNEx14. 0980X; Ex tD A21 IP65 T130℃, 防爆合格证编号为：CNEx15. 0993X

Operation
二、选用说明

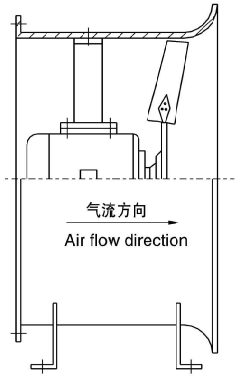
Please remark the installation type and model when you use this fan.
采用本机时，请注明风机安装类型及型式。



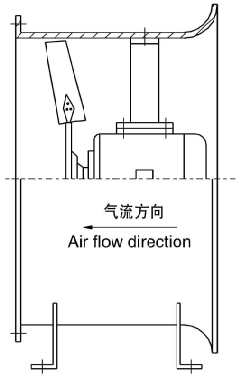
壁式 Wall type



管道式(两边接风管)
Piping type (connect the fan pipe in both sides)



管道式(排风-边接风管)
piping type (connect the fan pipe in eject wind side)



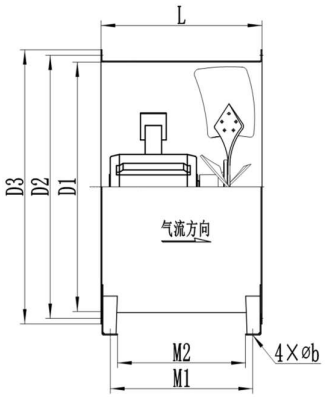
管道式(送风-边接风管)
Piping type (connect the fan pipe in deliver wind side)

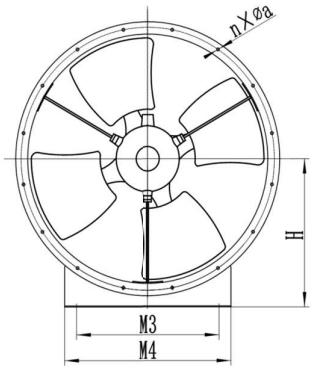
Performance Parameters
三、性能参数

机号 No.	叶轮直径 Diameter impeller (mm)	叶轮周速 Circular (m/s)	叶轮转速 Speed (r/min)	叶片角度 Angle (deg)	风量 Air flow (m^3/h)	全压 Total pressure (Pa)	效率 Efficien	电机功率 Motor Powe(kW)	重量 Weight (kg)	噪声 Noise dB (A)
2. 8	280	42. 5	2900	15	1649	155	0. 87	0. 12	15	70
				20	2167	172	0. 88	0. 18	15	72
				25	2685	177	0. 895	0. 18	15	73
				30	2921	190	0. 88	0. 25	17	74
				35	3202	237	0. 86	0. 25	17	75
		21. 5	1450	15	826	39	0. 87	0. 025	14	55
				20	1086	44	0. 88	0. 025	14	57
				25	1364	45	0. 895	0. 025	14	59
				30	1464	49	0. 88	0. 040	14	60
				35	1605	61	0. 86	0. 040	14	62
3. 15	315	47. 5	2900	15	2339	196	0. 87	0. 18	17	74
				20	3074	218	0. 88	0. 25	19	76
				25	3810	224	0. 895	0. 37	20	77
				30	4414	242	0. 88	0. 37	20	78
				35	4545	300	0. 86	0. 55	22	79
		23. 9	1450	15	1169	49	0. 87	0. 025	16	59
				20	1537	54	0. 88	0. 040	16	61
				25	1905	56	0. 895	0. 040	16	62
				30	2072	60	0. 88	0. 060	17	63
				35	2273	75	0. 86	0. 090	17	65
3. 55	355	53. 9	2900	15	3367	246	0. 87	0. 37	23	76
				20	4426	277	0. 88	0. 55	26	79
				25	5484	284	0. 895	0. 55	26	80
				30	5965	306	0. 88	0. 75	26	81
				35	6542	380	0. 86	1. 10	29	82
		27. 0	1450	15	1680	62	0. 87	0. 04	20	61
				20	2208	69	0. 88	0. 06	21	63
				25	2737	71	0. 895	0. 09	21	65
				30	2977	76	0. 88	0. 09	21	66
				35	3265	95	0. 86	0. 12	22	68
4	400	60. 7	2900	15	4806	316	0. 87	0. 55	30	79
				20	6316	352	0. 88	1. 10	33	80
				25	7826	361	0. 895	1. 10	33	83
				30	8513	388	0. 88	1. 10	33	84
				35	9336	483	0. 86	1. 50	38	85
		30. 4	1450	15	2406	79	0. 87	0. 09	25	65
				20	3163	88	0. 88	0. 12	26	67
				25	3920	90	0. 895	0. 12	26	68
				30	4263	97	0. 88	0. 18	27	69
				35	4678	121	0. 86	0. 25	28	70
4. 5	450	34. 2	1450	15	3427	100	0. 87	0. 12	28	68
				20	4504	112	0. 88	0. 18	29	70
				25	5881	115	0. 895	0. 25	30	71
				30	6070	123	0. 88	0. 37	31	72
				35	6658	153	0. 86	0. 37	31	73
5	500	38. 0	1450	15	4700	124	0. 87	0. 25	38	71
				20	6178	138	0. 88	0. 37	39	73
				25	7655	141	0. 895	0. 37	39	74
				30	8832	152	0. 88	0. 55	41	75
				35	9133	189	0. 86	0. 75	44	76
		25. 1	960	15	3314	54	0. 87	0. 37	42	62
				20	4129	60	0. 88	0. 37	42	64
				25	5117	62	0. 895	0. 37	42	65
				30	5566	66	0. 88	0. 37	42	66
				35	6104	83	0. 86	0. 37	42	68

机号 No.	叶轮直径 Diameter impeller (mm)	叶轮周速 Circular (m/s)	叶轮转速 Speed (r/min)	叶片角度 Angle (deg)	风量 Air flow (m^3/h)	全压 Total pressure (Pa)	效率 Efficien	电机功率 Motor Powe(kW)	重量 Weight (kg)	噪声 Noise dB (A)
5. 6	560	42. 5	1450	15	6595	154	0. 87	0. 37	50	73
				20	8667	172	0. 88	0. 55	52	75
				25	10739	177	0. 895	0. 75	55	77
				30	11682	190	0. 88	1. 1	59	77
				35	12812	237	0. 86	1. 1	59	79
		28. 1	960	15	4362	68	0. 87	0. 37	53	64
				20	5730	75	0. 88	0. 37	53	66
				25	7101	77	0. 895	0. 37	53	67
				30	7724	83	0. 88	0. 37	53	69
				35	8471	103	0. 86	0. 37	53	71
6. 3	630	47. 8	1450	15	9393	196	0. 87	0. 75	71	77
				20	12345	218	0. 88	1. 1	75	79
				25	15297	224	0. 895	1. 5	78	80
				30	16639	241	0. 88	1. 5	78	81
				35	18250	303	0. 86	2. 2	92	82
		31. 7	960	15	6219	86	0. 87	0. 37	69	68
				20	8173	96	0. 88	0. 37	69	70
				25	10128	98	0. 895	0. 37	69	71
				30	11016	106	0. 88	0. 75	75	72
				35	12082	131	0. 86	0. 75	75	74
7. 1	710	53. 9	1450	15	13444	249	0. 87	1. 5	88	80
				20	17670	277	0. 88	2. 2	102	81
				25	21895	284	0. 895	2. 2	102	82
				30	23815	306	0. 88	3. 0	106	83
				35	26120	380	0. 86	4. 0	111	84
		36. 7	960	15	8902	110	0. 87	0. 75	85	72
				20	11700	122	0. 88	0. 75	85	74
				25	14498	125	0. 895	0. 75	85	75
				30	15769	134	0. 88	0. 75	85	76
				35	17296	167	0. 86	1.1	88	78
8	800	60. 7	1450	15	19235	316	0. 87	2. 2	125	82
				20	25280	352	0. 88	4. 0	134	83
				25	31325	361	0. 895	4. 0	134	84
				30	34073	388	0. 88	5. 5	159	85
				35	37070	483	0. 86	7. 5	172	86
		40. 2	960	15	12377	139	0. 87	0. 75	108	74
				20	16733	154	0. 88	1. 1	111	76
				25	20735	158	0. 895	1. 5	124	78
				30	22559	170	0. 88	1. 5	124	78
				35	24739	212	0. 86	2. 2	125	79
9	900	45. 2	960	15	18132	175	0. 87	1. 5	155	78
				20	23830	195	0. 88	2. 2	167	79
				25	29529	200	0. 895	3. 0	185	80
				30	32119	215	0. 88	3. 0	185	81
				35	35227	268	0. 86	4. 0	195	82
10	1000	50. 3	960	15	24874	217	0. 87	2. 2	197	79
				20	32691	241	0. 88	3. 0	215	80
				25	40509	247	0. 895	4. 0	225	81
				30	44062	266	0. 88	4. 0	225	82
				35	48326	331	0. 86	7. 5	273	83
11. 2	1120	56. 3	960	15	34944	272	0. 87	4. 0	265	83
				20	45927	300	0. 88	5. 5	276	84
				25	56909	310	0. 895	7. 5	313	85
				30	61091	344	0. 88	7. 5	313	86
				35	67892	415	0. 86	11. 0	338	88

Outlining Dimensions
四、外形尺寸





型号 Model	D1	D2	D3	M1	M2	M3	M4	L	H	n×ΦA	ΦB	备注
T35-11-2.8	Φ290	Φ320	Φ350	185	145	200	250	240	200	4xΦ8.5	4xΦ11	
T35-11-3.15	Φ325	Φ355	Φ385	225	185	200	250	280	215	8xΦ8.5	4xΦ11	
T35-11-3.55	Φ365	Φ395	Φ425	245	205	250	300	300	240	8xΦ8.5	4xΦ11	
T35-11-4	Φ410	Φ455	Φ490	260	210	300	350	320	260	8xΦ10.5	4xΦ11	
T35-11-4.5	Φ460	Φ505	Φ540	240	190	350	400	300	290	8xΦ10.5	4xΦ11	
T35-11-5	Φ510	Φ555	Φ590	290	240	350	400	350	315	8xΦ10.5	4xΦ11	
T35-11-5.6	Φ570	Φ615	Φ650	340	290	350	450	400	360	8xΦ10.5	4xΦ15	
T35-11-6.3	Φ640	Φ685	Φ720	330	280	400	500	470	390	12xΦ10.5	4xΦ15	
T35-11-7.1	Φ720	Φ765	Φ800	410	360	500	600	470	435	12xΦ10.5	4xΦ15	
T35-11-8	Φ810	Φ860	Φ900	525	475	500	600	590	485	12xΦ10.5	4xΦ15	
T35-11-9	Φ910	Φ965	Φ1010	505	445	600	700	580	545	16xΦ12.5	4xΦ19	
T35-11-10	Φ1010	Φ1065	Φ1100	505	445	600	700	580	600	16xΦ12.5	4xΦ19	
T35-11-10	Φ1010	Φ1065	Φ1100	625	565	600	700	700	600	16xΦ12.5	4xΦ19	配机座号160
T35-11-11.2	Φ1130	Φ1185	Φ1230	505	445	700	800	580	660	16xΦ12.5	4xΦ19	
T35-11-11.2	Φ1130	Φ1185	Φ1230	625	565	700	800	700	660	16xΦ12.5	4xΦ19	配机座号160

JBF Series Transformer Fan

JBF 系列节能型变压器风机

JBF Series Power-saving Transformer Fans'introduction
一、JBF 系列节能型变压器风机特点介绍

Improved on DBF series,the JBF series fan is a newly-developed type of transformer-purpose fan. Compared with the old type. It has great improvement and therefore been greatly praised by customers and users.

JBF 系列节能型变压器风机是我公司最近开发而成的新一代变压器专用风机，它是在吸收 DBF 老系列风机优点的基础上重新设计而成。与老系列风机相比，性能上又有新的突破。现已批量生产，用户反映良好

The DBF series's introduction: DBF 老系列产品的特点

Strong points:low-noise,hi-efficiency,small-vibration,long life and reasonable&practical performance parameters.

Weak points: 1. Made of LY10,the blade is lack of strength&sturdiness and easily disformed.

2. The curve is precipitous and breathing-vibrations likely occur,which leads to heat-transducer's oil leak or breaking.

3. Protective coating'easy aging because of common paint may shorten fan's life.

优点：设计点的噪声低、效率高、震动小、寿命长，各规格的性能参数合理。

缺点：1. 风机叶片采用手工成形，材质为较软的 LY10，叶片强度、刚度不足，容易受力变形。

2. 风机的效率性能曲线陡峭，高效运行区窄，超负荷运行时有明显的喘振工况出现，喘振时容易引起换热器漏油或风机损坏。

3. 用普通油漆外表防护，室外使用时受辐射霉变因素影响，防护层容易老化，缩短风机使用寿命。

JBF series power-saving transformer fan introduction: JBF 系列节能型变压器风机特点

Brief introduction of some main parts'process:

1. JBF 系列节能型变压器风机主要零部件制作工艺简介

Part 零部件名称	Material 材料	Process 加工工艺	Remark 补充说明
Blade 叶片	Al-alloy: LY12 铝合金：LY12	Cutting&preparing: Cold forming Shaping: Cold forming 下料：冷冲压 成形：冷冲压	The blades for JBF-10#cut and prepared by 150T punch press JBF-10#风机叶片的下料采用150T开式冲床
Hub 轮毂	Top-quality carbon steel: 20F 优质碳素钢：20F	Cutting&preparing: Cold forming Shaping: Cold forming 下料：冷冲压 成形：冷冲压	The hub for JBF-10# hydroformed by 315T hydraulic pressure machine JBF-10#风机轮毂的成形设备：315T液压机
Duct 风筒	Top-quality carbon steel: 08F 优质碳素钢：08F	Cutting&preparing:200T shearing machine; Welding:gas-protection welding machine; Shaping:turning&pressuring lathe 下料：200T剪床 焊接：气体保护焊机 成形：旋压机	
Transformetr fan purpose motor 选用电机（变压器风机专用电机）	Electromagnetic wire:copper wire surrounded by polyesterpaint; QZ-1、QZ-2 soaking paint:opoxy polyester phenolic non-solvent paint; Bearing: deep-groove ballbearing with two seals. 电磁线：聚脂环氧漆包圆铜线 0Z-1, QZ-2浸渍漆：聚脂酚醛无溶剂漆, 轴承两面带密封圈的深沟球轴承	Double bearing structure on motor's axle-stretching terminal;Hermetically sealing on motor wire's outlet and axle-stretching terminal;Protective coating: opoxy priming paint and polyurethane surface paint. 轴伸端设计双轴承结构： 电机轴伸端、电源引出线处加密封件 外表防护：环氧底漆＋聚氨脂面漆	Protective grade: IP55 Insulation grade: B Feature: (anti-radiation、anti-mildew、anti-salty fog) 防护等级：IP55 绝缘等级：B级 (防辐射、防霉变、防盐雾)
Structural linking part 结构件的防护		Galvanizing by dipping opoxy priming paint and polyurethane surface paint of (available) phosphatizing and plastic coating with PVC. 热镀锌＋环氧底漆＋聚氨脂面漆 或磷化＋表面喷塑处理（可选）	Anti-radiation、Anti-mildew Anti-salty fog 三防性能 (防辐射、防霉变、防盐雾)

2. Using analytic tool,the blade is calculated to varied working conditions by means of lower noise,smoother curve,more liable&practical operation. Furthmore breathing-vibration never happens.

3. Made of cold-forming hi-strength al-alloy,the blade's strength&sturdiness greatly improved after adding strengthening steel.

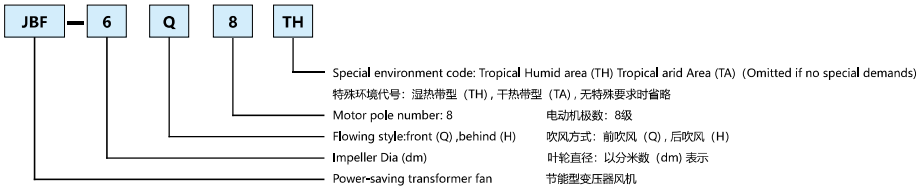
4. The JBF series fan is equiped with automatic on-off switch box,which automatically controls fan's operation according to the transfer's oil temperature collected by heat-sensor.

2. JBF 系列节能型变压器风机的叶片，应用三元流矢量解析工具计算，采用多工况性能优化的设计方法设计而成，风机噪声有进一步下降，在超负荷运行时无喘振工况出现，效率曲线平坦，有效地提高了风机实际运行综合性能及运行可靠性。风机叶片具有大弦长、空间扭曲、双曲前掠等特点。

3. 叶片采用高强度铝合金材料冷冲压成形，叶片增加加强筋，大大增强了叶片的刚度和强度。

4. JBF 系列节能型变压器风机可选配自动温控开关箱，该开关箱采用温度传感仪采集变压器油温，根据油温自动控制风机运行。选配该开关箱可以实现操作自动化，具有运行方便可靠，节能降噪等优点。

Model Specifications
二、型号说明



Operating Conditions
三、使用条件

Outdoor working environmental temperature should be-40℃~75℃ and the elevation doesn't exceed 1000m,U=380V,f=50Hz (For special requirement,please note when order) .

使用环境温度不得超出 - 40℃~75℃范围，海拔不高于 1000m 的室外环境。电源：电压 U=380V, 频率 f=50Hz (特殊电源订货时指明)。

Performance Parameter
四、性能参数

JBF serise transformer fans'performance parameters list as follows, To meet your special demands,we can profes-sionally design and manufacture.

JBF 系列变压器风机各规格的性能参数见下表，如用户需要特殊规格、特殊要求的产品，我公司可以另行设计制造。

型号 Type	风量 Air flow (m^3/h)	全压 Total pressure (Pa)	转速 Speed (r/min)	电机容量 Motor power (KW)	噪声 Noise dB (A)	重量 Weight (kg)
JBF-4Q8	4000	100	720	0. 18	56	19
JBF-4Q6	5000	130	960	0. 25	62	20
JBF-5Q8	5600	100	720	0. 25	58	22
JBF-5Q6	7000	140	960	0. 37	66	22
JBF-6Q8	7800	118	720	0. 55	62	24
JBF-6Q6	12000	165	960	1. 1	71	45
JBF-6.3Q8	9000	120	720	0. 75	62	50
JBF-7Q8	13000	95	720	0. 75	63	28
JBF-7.1Q8	13500	130	720	0. 75	64	28
JBF-7.3Q12	10000	65	480	0. 55	55	29
JBF-8Q8	16000	135	720	1. 1	66	65
JBF-8.5Q8	19000	170	720	1. 5	69	67
JBF-9Q8	20000	175	720	1. 5	69	71
JBF-9Q10	17000	126	580	1. 1	66	68
JBF-9Q12	14000	75	480	0. 55	61	70
JBF-10Q8	25000	185	720	2. 2	70	94
JBF-10Q10	22000	135	580	1. 5	66	94

Introduction Of Fan's Motor
五、风机配用电机介绍

Specially and professionally designed for JBF series transformer fan,the YCF type motor has its characristic as follows:

1. Equiped with double-side hermetically sealing bearing and double bearing structure on axle-stretching terminal,the motor has 2. 5 times longer life,lower noise,i.e. 46dB (A) when delivering.

2. It has water proof devices on axle-stretching terminal and power wire outlet,and are protectively coated with opoxy priming paint and polyurethane paint. So motor's ability of cor-ruption-resisting and radiation-resisting has greatly improevd.

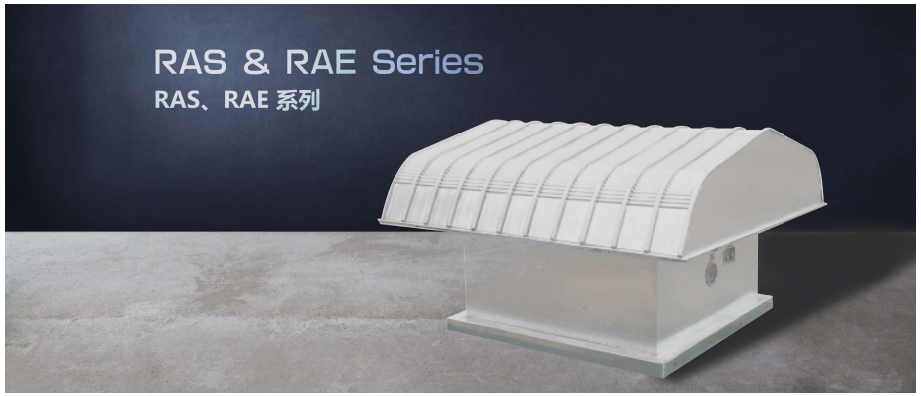
3. B class heat-resisting material ensures and protects the motor's environmental temperature below 75%C,with temperature-rising less than 55℃ when full load.

JBF 系列风机配用 YCF 型专用电机，它是根据变压器风机的具体要求而特殊制作的，具有以下特点：

1. 本电机选用双面带密封的低噪声轴承，轴伸端设计成双轴承结构，使用寿命比一般电机长 2. 5 倍左右，噪声低，出厂标准为 46dB (A) 。

2. 电机轴伸端、电源引出线处有防水密封装置，外壳防护性能好，防护等级达 IP55, 外表采用环氧底漆加聚氨脂漆处理，提高电机耐腐能力及耐辐射能力。

3. 采用 B 级耐热材料，满载温升在 55℃以下，保证电机在 75℃以下环境工作。



RAS and RAE Series Low-noise Square Axial Flow Roof Fan (Aluminum)
RAS、RAE 系列低噪声方型轴流式屋顶送、排风机（铝制）

General Description
一、简述

This series fan is in high effiency,low power consumption,low noise,compact structure and steady operation,also it advocates for the people foremost,suitable for clean air delivery,and can be used in the bad weather without suffering from the rain and snow.

RAS and RAE series fan has 9 specifications according the difference of the impeller diameter: 300、400、500、560、630、710、800、900、1000,the airflow is from 1470 m³/h to 54100 m³/h.

风机具有效率高、能耗省、噪声低、结构紧凑、运行平稳可靠等显著特点，同时也倡导以人为本的通风新概念，适用于相对清洁空气的送风，并能在恶劣的气候条件下使用免遭雨雪进入风机。

RAS、RAE 系列风机机号按叶轮直径分有 300、400、500、560、630、710、800、900、1000, 共 9 种规格，风量自 1470m³/h 至 54100 m³/h。

Product Features
二、产品特色

1. Fan impeller: aluminum alloy , with features of large airflow volume, low noise and high efficient. With reversible bidirectional blades, the fan can be forward and reversible ventilation in the same installation position, and the blade angle is static adjustable for air supply and exhaust both.

2. Matched motor: Use the motor with IP54,and isolation class F,also can use the explosion proof motor,two-speed motor and frequency conversion motor.

3. Housing: It is made up of aluminum alloy,the whole fan structure intensity is designed according to the extreme outside wind speed under 50m/s,it has a quite good wind resistance ability.

4. Funnel cap: aluminum alloy, in light weight, high intensity and small wind resistance.

5. Valve: gravity automatic close type or electric driven open-close type. The blades of the gravity automatic close valve is aluminium alloy insulation louver which can prevent condensation and reverse flow and especially suitable for northern cold areas.

6. Fan filter screen: the fan is equipped with an inlet extraction filter screen which can be extracted for cleaning and reusing.

7. Installation and maintenance: The funnel cap is connected by the special leading board,the low weight is good for maintenance and installation.

8. Smooth operation: the balance quality grade of the fan in this series is ISO1940 G2.5 grade and the whole machine has passed the mechanical operation test, vibration test and pneumatic performance test to ensure the smooth and reliable operation, which effectively extend the fan service life and reduce the noise and vibration of the fan.

1. 风机叶轮 铝合金，该叶轮具有风量大、噪声低、高效率等特点，配用双向可逆的叶片时，可在同一安装位置下实现正反双向通风，叶片角度在静态可调，送、排风兼用。

2. 风机配套电机：采用防护等级 IP54、绝缘等级 F 级电机，也可配防爆电机、双速电机和变频电机。

3. 风机外壳：采用铝合金制造，本风机整体结构强度按 50m/s 极端室外风速的条件进行设计。具有较好的抗风能力。

4. 风帽：采用铝合金制造，重量轻、强度高、风阻小。

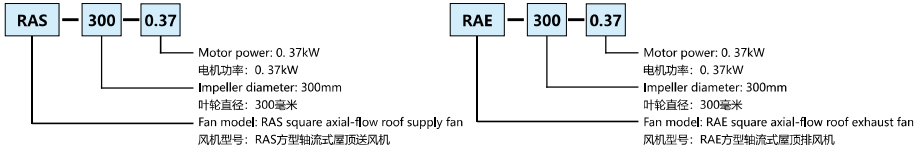
5. 风阀：采用重力自动关闭式或电动驱动启闭式。电动驱动启闭式风阀叶片采用铝合金保温型百叶制造，防结露，防气流倒灌，尤其适合北方严寒地区使用。

6. 风机过滤网：风机进风口配抽取式过滤网，可抽出清洗并重复使用。

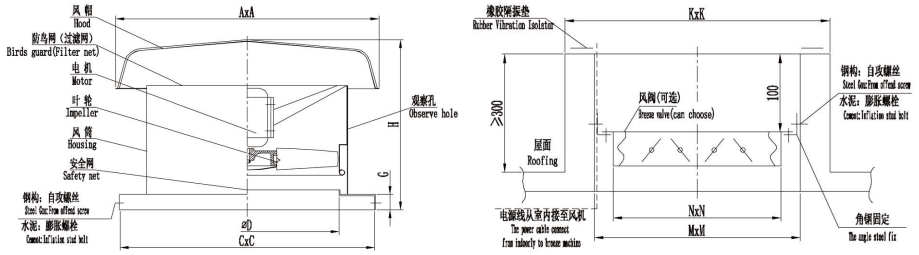
7. 安装维护：风帽以专用成型机成形折弯而成的导板镶接，重量轻，有利于整机拆装维护，安装费用低。

8. 运转平稳：本风机的平衡品质达到 ISO1940 标准的 G2.5 平衡品质水平，整机经过机械运转试验、振动试验和气动性能试验，以保证达到运行平稳、可靠的要求，有效延长风机的使用寿命，降低噪音，减小振动。

Naming Conventions
三、命名规范



Technical Parameter Sheet and Installation Dimension
四、RAS、RAE 系列风机性能参数及外形尺寸表

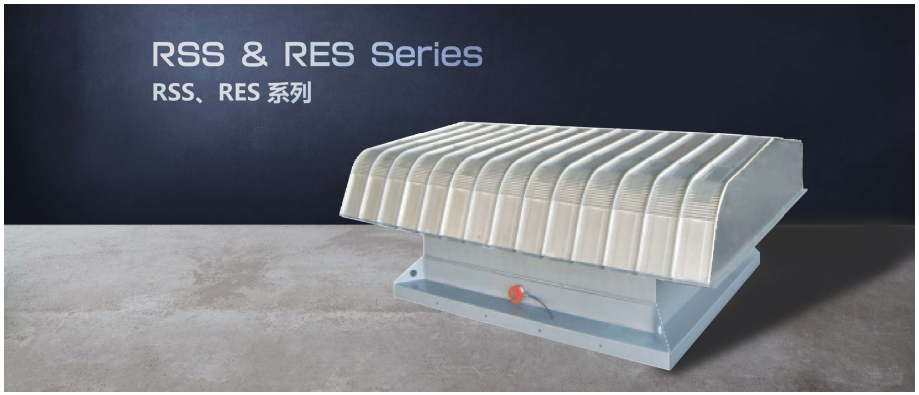


尺寸 size / 机号 No.	A (mm)	D (mm)	C (mm)	G (mm)	H (mm)	泛水外沿尺寸 K(mm)Curb Edge Distance	屋顶开洞尺寸 M(mm)Roof Opening size	风阀尺寸 N(mm) Breeze Valve size	不含电机重量 weight without motor (kg)
300	600	308	505	40	500	500	370	360	16
400	750	410	605	40	570	600	470	460	22
500	900	510	705	50	630	700	570	560	32
560	1050	570	755	50	630	750	620	610	40
630	1200	640	875	60	770	870	720	710	49
710	1350	720	905	60	790	900	750	740	60
800	1350	815	1030	60	890	1020	870	860	69
900	1650	915	1150	70	980	1140	970	960	90
1000	1650	1015	1250	70	1100	1240	1070	1060	94

Note:the C、K、M、N can be processed into round shape according to users' needs.
注：表中 C、K、M、N 可以按用户需要加工成圆形。

功率 Power (kW)	电机重量 Motor Weight (kg)				
	2850 (r/min)	1450(r/min)	960 (r/min)	720 (r/min)	560 (r/min)
0.06	/	4	/	/	/
0.25	/	/	8.5	11	/
0.37	7	/	11	/	/
0.55	/	10	/	20	38
0.75	10.5	/	16.5	33	40
1.1	/	17	19.5	35	45
1.5	/	/	33	41	62
2.2	/	34	41	61	/
3	/	/	63	79	/
5.5	/	/	112	/	/

机号 No.	转速 Speed (r/min)	风量 Air flow volume (m^3/h)	全压 Total pressure (Pa)	功率 Power (KW)	额定电流 Rated current (A)	噪声 Noise dB (A)
300	2850	3470	172	0.37	0.95	71
		3150	196			
		2730	220			
	1450	1730	59	0.06	0.28	57
		1640	63			
		1470	68			
400	2850	7820	183	0.75	1.8	73
		6660	219			
		5560	238			
	1450	5980	167	0.55	1.6	72
		5670	175			
		4800	181			
500	1450	8450	128	0.55	1.6	72
		7350	154			
		5880	181			
	960	7360	107	0.37	1.3	66
		7030	116			
		6720	124			
	720	6300	84	0.25	1.1	62
		5250	87			
		4300	91			
560	1450	11800	161	1.1	2.8	75
		10330	193			
		8260	228			
	960	10330	135	0.75	2.3	69
		9890	145			
		9440	156			
	720	8850	105	0.55	1.9	65
		7370	109			
		6040	114			
630	1450	18230	243	2.2	5.0	76
		17010	263			
		15800	279			
	960	13370	176	1.1	3.2	71
		12150	192			
		11000	202			
	720	10230	116	0.75	2.6	66
		9720	133			
		9230	143			
710	960	19200	162	1.5	4.0	74
		16400	197			
		13700	207			
	720	13150	138	1.1	3.7	69
		12000	160			
		10080	173			
	560	10180	81	0.55	1.95	63
		9300	92			
		7800	100			
800	960	28350	166	2.2	5.6	76
		26250	197			
		24150	217			
	720	21050	123	1.5	4.8	70
		18900	146			
		16700	159			
	560	16500	74	0.75	3.1	65
		15000	91			
		12900	115			
900	960	37000	192	3.0	7.2	76
		30500	224			
		25200	243			
	720	33700	120	2.2	5.8	73
		29500	148			
		25000	168			
	560	25300	97	1.1	3.9	69
		22600	112			
		19540	120			
1000	960	54100	238	5.5	12.5	80
		47250	272			
		40950	301			
	720	48300	134	3.0	7.7	75
		42000	159			
		36750	174			
	560	29500	105	1.5	5.1	71
		25400	119			
		21500	126			



RSS and RSE Series large Low-noise Square Axial flow Roof Fan (Stainless Steel and Steel)
RSS、RSE系列大型低噪声方型轴流式屋顶送、排风机（不锈钢制、钢制）

General Description
一、简述

This series fan is in high effiency,low power consumption,low noise,compact structure and steady operation,also it advocates for the people foremost,suitable for clean air delivery,and can be used in the bad weather without suffering from the rain and snow.

RAS and RAE series fan has 9 specifications according the difference of the impeller diameter: 1120、1200、1400、1500、1600、1800、2000、2200、2400,the airflow is from 27200 m^3/h to 232000 m^3/h.

风机具有效率高、能耗省、噪声低、结构紧凑、运行平稳可靠等显著特点，同时也倡导以人为本的通风新概念，适用于相对清洁空气的送风，并能在恶劣的气候条件下使用免遭雨雪进入风机。

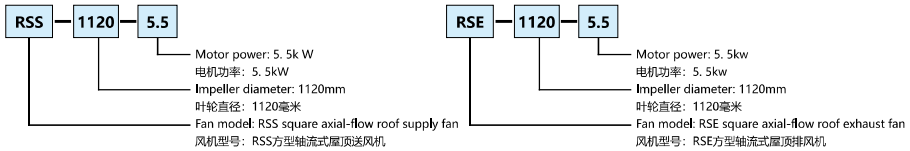
RSS、RSE 系列风机机号按叶轮直径分有 1120、1200、1400、1500、1600、1800、2000、2200、2400 共 9 种规格，风量自 27200m^3/h 至 232000 m^3/h。

Product Features
二、产品特色

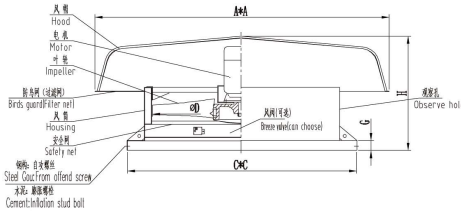
1. Fan impeller: aluminum alloy , with features of large airflow volume, low noise and high efficient. With reversible bidirectional blades, the fan can be forward and reversible ventilation in the same installation position, and the blade angle is static adjustable for air supply and exhaust both.
2. Matched motor: Use the motor with IP54,and isolation class F,also can use the explosion proof motor,two-speed motor and frequency conversion motor.
3. Housing: It is made up of aluminum alloy,the whole fan structure intensity is designed according to the extreme outside wind speed under 50m/s,it has a quite good wind resistance ability.
4. Funnel cap: aluminum alloy, in light weight, high intensity and small wind resistance.
5. Valve: gravity automatic close type or electric driven open-close type. The blades of the gravity automatic close valve is aluminium alloy insulation louver which can prevent condensation and reverse flow and especially suitable for northern cold areas.
6. Fan filter screen: the fan is equipped with an inlet extraction filter screen which can be extracted for cleaning and reusing.
7. Installation and maintenance: The funnel cap is connected by the special leading board,the low weight is good for maintenance and installation.
8. Smooth operation: the balance quality grade of the fan in this series is ISO1940 G2.5 grade and the whole machine has passed the mechanical operation test, vibration test and pneumatic performance test to ensure the smooth and reliable operation, which effectively extend the fan service life and reduce the noise and vibration of the fan.

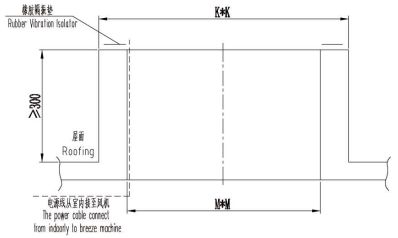
1. 风机叶轮 铝合金，该叶轮具有风量大、噪声低、高效率等特点，配用双向可逆的叶片时，可在同一安装位置下实现正反双向通风，叶片角度在静态可调，送、排风兼用。
2. 风机配套电机：采用防护等级 IP54、绝缘等级 F 级电机，也可配防爆电机、双速电机和变频电机。
3. 风机外壳：采用铝合金制造，本风机整体结构强度按 50m/s 极端室外风速的条件进行设计。具有较好的抗风能力。
4. 风帽：采用铝合金制造，重量轻、强度高、风阻小。
5. 风阀：采用重力自动关闭式或电动驱动启闭式。电动驱动启闭式风阀叶片采用铝合金保温型百叶制造，防结露，防气流倒灌，尤其适合北方严寒地区使用。
6. 风机过滤网：风机进风口配抽取式过滤网，可抽出清洗并重复使用。
7. 安装维护：风帽以专用成型机成形折弯而成的导板镶接，重量轻，有利于整机拆装维护，安装费用低。
8. 运转平稳：本风机的平衡品质达到 ISO1940 标准的 G2.5 平衡品质水平，整机经过机械运转试验、振动试验和气动性能试验，以保证达到运行平稳、可靠的要求，有效延长风机的使用寿命，降低噪音，减小振动。

Naming Conventions
三、命名规范



Technical Parameter Sheet and Installation Dimension
四、RAS、RAE 系列风机性能参数及外形尺寸表





尺寸 size / 机号 No.	A (mm)	D (mm)	C (mm)	G (mm)	H (mm)	泛水外沿尺寸 K(mm)Curb Edge Distance	屋顶开洞尺寸 M(mm)Roof Opening size	不含电机重量 weight without motor (kg)
1120	1800	1120	1545	70	900	1535	1240	890
1200	1870	1200	1665	70	900	1655	1360	960
1400	2500	1400	1905	70	1000	1895	1560	1110
1500	2500	1500	2045	80	1000	2035	1700	1190
1600	3100	1600	2165	80	1280	2155	1800	1270
1800	3100	1800	2405	90	1280	2395	2000	1430
2000	3400	2000	2605	90	1350	2595	2200	1590
2200	3600	2200	2805	90	1450	2795	2400	1750
2400	3800	2400	3005	90	1650	2995	2600	1910

Note:the C, K, M, N can be processed into round shape according to users' needs.
注：表中 C、K、M、N 可以按用户需要加工成圆形。

功率 Power (kW)	电机重量 Motor Weight (kg)				
	960 (r/min)	720(r/min)	560 (r/min)	480 (r/min)	320 (r/min)
2.2	/	/	72	/	/
3	/	/	80	/	/
4	/	105	/	125	182
5.5	/	115	/	136	/
7.5	118	145	/	/	230
11	/	160	/	/	265
15	/	228	/	260	/
22	/	/	/	450	/

机号 No.	转速 Speed (r/min)	风量 Air flow volume (m^3/h)	全压 Total pressure (Pa)	功率 Power (KW)	额定电流 Rated current (A)	噪声 Noise dB (A)
1120	960	59800	238	7.5	16.9	81
		52000	278			
		42500	303			
	720	55200	130	4.0	10.3	76
		47300	159			
		43000	172			
	560	33800	104	2.2	7.2	73
		29600	120			
		27200	130			
1200	720	59900	185	5.5	13.6	75
		53200	194			
		47200	212			
	560	44400	118	3.0	9.0	73
		39800	126			
		35100	139			
1400	720	80600	235	7.5	17.8	81
		71500	245			
		60500	257			
	480	72490	149	5.5	16.7	77
		63100	162			
		54000	180			
1500	720	93000	142	7.5	17.8	80
		84200	195			
		74200	214			
	480	79000	140	5.5	16.7	78
		69500	154			
		58600	172			
1600	720	113200	221	11	25.0	82
		99800	233			
		85600	249			
	320	64040	123	4.0	12.2	76
		55130	143			
		47430	157			
1800	720	136000	245	15	34.0	84
		119000	259			
		101000	275			
	480	103000	115	5.5	16.7	76
		90600	128			
		78000	139			
	320	83500	108	4.0	12.2	75
		75100	119			
		65300	142			
2000	480	178000	202	15	36.8	84
		158000	220			
		137000	242			
	320	132000	110	7.5	24.8	77
		115500	124			
		99000	139			
2200	480	212000	180	15	36.8	85
		187000	196			
		177100	208			
	320	164000	127	7.5	24.8	79
		125000	133			
		118000	146			
2400	480	232000	199	22	58.9	85
		201000	214			
		185000	231			
	320	184000	139	11	35.8	81
		171000	154			
		142000	177			



RTC系列低噪声离心式屋顶排风机（铝制）
RTC系列离心式消防排烟风机（铝制、屋顶型）
RTC Series Low-noise Centrifugal Roof Exhaust Fan (Aluminum)
RTC Series Centrifugal Fire Smoke Exhaust Fan (Aluminum and Roof)

General Description
一、简述

RTC series fan has 8 models according the difference of the impeller diameter: 300、425、500、575、675、750、900、1000,the airflow is from 329 m³/h to 57200 m³/h. The highest static pressure reaches 650Pa.

本系列风机机号按叶轮直径分有 300、425、500、575、675、750、900、1000, 共 8 种规格，风量自 329m³/h 至 57200 m³/h, 最高静压达 650Pa.

Product Features
二、产品特色

1.Fan impeller: aluminum alloy,the impeller is processed by pressing and moulding,it is in compact structure,large airflow,low noise and high efficient.

2.Matched motor: Use the motor with IP54,and isolation class F,when the isolation class is H,the products can be contantly operated under 280℃/45min,also can use the explosion proof motor,two-speed motor and frequency conversion motor.

3.Housing: It is made up of aluminum alloy,the whole fan structure intensity is designed according to the extreme outside wind speed under 50m/s,it has a quite good wind resistance ability.

4.Funnel cap: It is made up of aluminum alloy,flat,streamline,modularized,with patent technology,in low weight, high intensity,small wind resistance,suitable for ventilation.

5.Current collector: Use the special design to make the impeller leading flow opening match with the air inlet,to effectively control the airflow,reduce the noise and improve the fan efficiency.

6.Fixing bracket: Numerical control preparing material,moulding,punch machining of the fixing hole,it is easy for installation.

7.Gearing: This series fan uses the strap gearing,this driving method can reach the stated air rotate speed,perfectly match with the project situation. The fan bearing has been treated and tested,and its critical rotate speed is 1.3 times than the fan's highest operation speed,the strap is European type.

8.Air valve: Use the gravitational automatic turnoff or electric driving startup and turnoff. The air valve for gravitational automatic turnoff is made up of hot galvanized casing and aluminum alloy leaflet,the air valve for electric driving startup and turnoff is made up of aluminum alloy heat preservation leaflet,dew eliminating,prevent from air flow backword. Both for smoke exhaust and ventilation,can be matched with the smoke exhaust fireproof valve,the fan and the fireproof valve all have been proved by national fireproof standard.

9.Installation and maintenance: The motor shield is in button loop-type,it is easy for operation.

10.Steady operation: This series fan has the small running inertia,high acting balance precision,the balance precision reaches ISO1940 G2.5 level,the whole machine has passed the mechanism,libration and pneumatic control examination,to ensure the steady and reliable operation. It also can extend the life span of the fan,reduce the noise and minish the libration.

11.The fans have passed various certifications of China compulsory product,explosion proof and AMCA.

Remark: The fan rotate speed in the parameter sheet is: 460r/min、560r/min、720r/min、960r/min、1450r/min,the driving method can be motors direct connection.

1. 风机叶轮：材质铝合金，该叶轮的前盘、后盘、叶片经冲压下料、模压成型等多道工序加工，结构紧凑且具有风量大、噪声低、高效率等特点。

2. 风机配套电机：用防护等级 IP54、绝缘等级 F 级电机，如配绝缘等级为 H 级，产品可在 280℃/45min 高温环境下连续运行；另也可配防爆电机、双速电机和变频电机。

3. 机壳：本风机整体结构强度按 50m/s 极端室外风速的条件进行设计。风机采用铝合金材质，经拉伸、卷边等加工，在保障风机足够强度的前提下，提高了风机外形的美观，减轻了风机的自重，降低了对屋顶基础的强度要求，且抗风能力较好。

4. 风帽：采用铝合金制造，整体拉伸成型，并经卷边处理。专利技术，重量轻，强度高，风阻小。

5. 集流器：采用精密的文丘里管设计，一次成形工艺，使叶轮导流口与进风口充分吻合，有效控制气流组织，符合流体力学的双曲线型文丘里进风口，大幅降低入口噪声，提高风机效率。

6. 固定支架：数控下料、成型，多工位数控冲床加工固定孔，安装方便。

7. 传动装置：本系列风机可采用皮带传动，这种传动形式可以根据不同的带轮配置来达到一定的风机转速，能更好地匹配实际工况要求。风机轴经过调质处理和平衡测试，其第一临界转速大于风机最大运行速度的 1.3 倍，皮带轮选用欧式带轮。

8. 风阀：采用重力自动关闭式或电动驱动启闭式。重力自动关闭式风阀框架材质为热镀锌板，百叶材质为铝合金；电动驱动启闭式风阀叶片采用铝合金保温型百叶制造，防结露，防气流倒灌。排烟、通风二用，可选配排烟防火阀，风机、排烟防火阀均已通过国家消防产品型式试验。

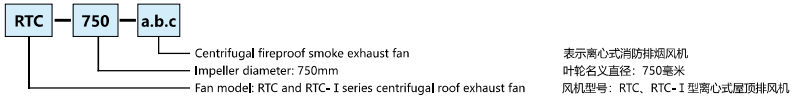
9. 安装维护：电机防护罩采用扣襟固定结构，操作方便，省时省力。

10. 运转平稳：本风机的转动惯量小，平衡品质优，平衡品质达到 ISO1940 标准的 G2.5 平衡品质等级水平，整机经过机械运转试验、振动试验和气动性能试验，以保证达到运行平稳、可靠的要求，有效延长风机的使用寿命，降低噪音，减小振动。

11. 消防 3C、防爆、AMCA 产品多种认证。

注：性能参数表中关于风机转速为：460r/min、560r/min、720r/min、960r/min、1450r/min 传动方式可以采用电机直联。

Naming Conventions
三、命名规范



Note: If fan is used in the ventilated area,a,b,c are not required.

注：如果风机用在通风场所，无需带 a,b, c.

Technical Parameter Sheet
四、RTC、RTC-I 系列风机性能参数表

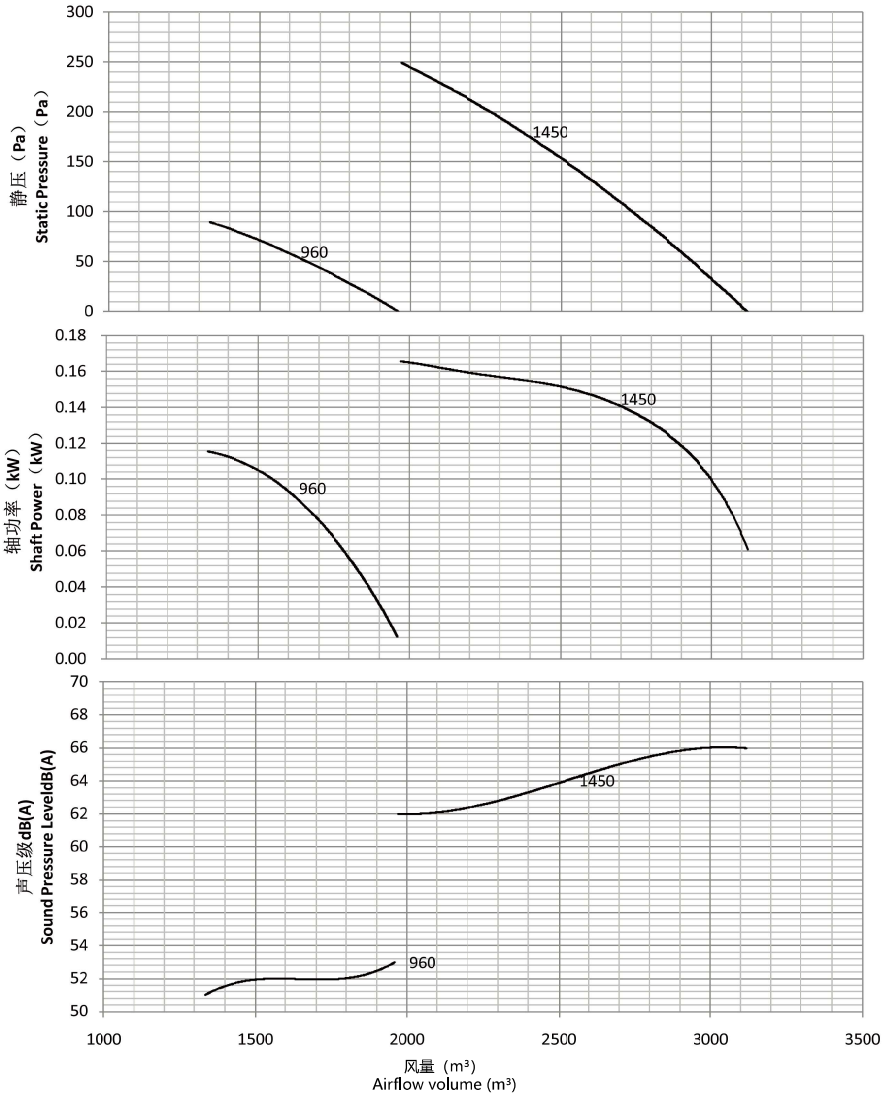
机号 No.	风量 Air flow volume (m³/h)	静压 Static pressure (Pa)	转速 Speed (r/min)	功率 Power (KW)	噪声 Noise dB (A)	重量 Weight (kg)
300-a	1960	0	960	0.18	53	23
	1788	30			53	
	1588	60			52	
	1335	90			52	
300-b	3120	0	1450	0.18	66	22
	3010	30			66	
	2890	60			66	
	2775	90			66	
	2648	125			65	
	2519	150			64	
	2358	180			63	
	1970	250			63	
425-a	3570	0	720	0.18	56	32
	3154	30			55	
	2640	60			55	
	1843	90			54	
425-b	4909	0	960	0.37	65	32
	4553	30			64	
	4326	60			63	
	3938	90			63	
	3539	125			62	
425-c	7159	0	1450	1.1	73	37
	6939	30			73	
	6722	60			73	
	6509	90			73	
	6295	125			70	
	5824	180			69	
	5570	210			69	
	5300	250			68	
	4598	310			67	
	3654	375			66	

机号 No.	风量 Air flow volume (m³/h)	静压 Static pressure (Pa)	转速 Speed (r/min)	功率 Power (KW)	噪声 Noise dB (A)	重量 Weight (kg)
500-a	7002	0	720	0.37	62	44
	6525	30			61	
	6032	30			60	
	5480	90			59	
	4730	125			58	
500-b	9420	0	960	0.75	69	42
	9100	30			69	
	8685	60			68	
	8320	90			68	
	7975	125			67	
	7077	180			66	
	5708	250			65	
500-c	14143	0	1450	2.2	76	53
	13835	30			75	
	13494	60			75	
	13092	90			74	
	12711	125			74	
	12035	180			73	
	11235	250			73	
	10292	310			72	
	8899	375			71	
	6558	430			68	
575-a	7632	0	570	0.55	62	69
	6942	30			61	
	6409	60			59	
	5586	90			58	
	4462	125			57	
575-b	9510	0	720	0.75	68	61
	8888	30			67	
	8540	60			67	
	8108	90			66	
	7606	125			65	
	6971	150			64	
	6186	180			61	
575-c	13191	0	960	1.5	75	63
	12953	30			75	
	12712	60			75	
	12440	90			74	
	12157	125			74	
	11870	150			74	
	11577	180			74	
	10765	250			73	
	9455	310			72	
	8317	375			71	
675-a	16520	0	720	1.1	72	72
	16058	30			71	
	15574	60			71	
	14548	125			70	
	13409	180			69	
	12122	250			68	
	10428	310			67	
	7224	375			66	
675-b	21394	0	960	2.2	75	81
	20937	30			74	
	20444	60			74	
	19484	125			74	
	18377	180			73	
	17169	250			72	
	15857	210			71	
	14417	375			71	
	12137	430			70	
	8361	500			70	
675-c	13201	0	570	0.55	67	78
	12580	30			65	
	11945	60			64	
	10421	125			64	
	8220	180			63	
750-a	21699	0	720	1.5	74	96
	21166	30			74	
	20683	60			73	
	19096	125			73	
	17806	180			72	
	16335	250			71	
	14539	310			70	
	11347	375			67	

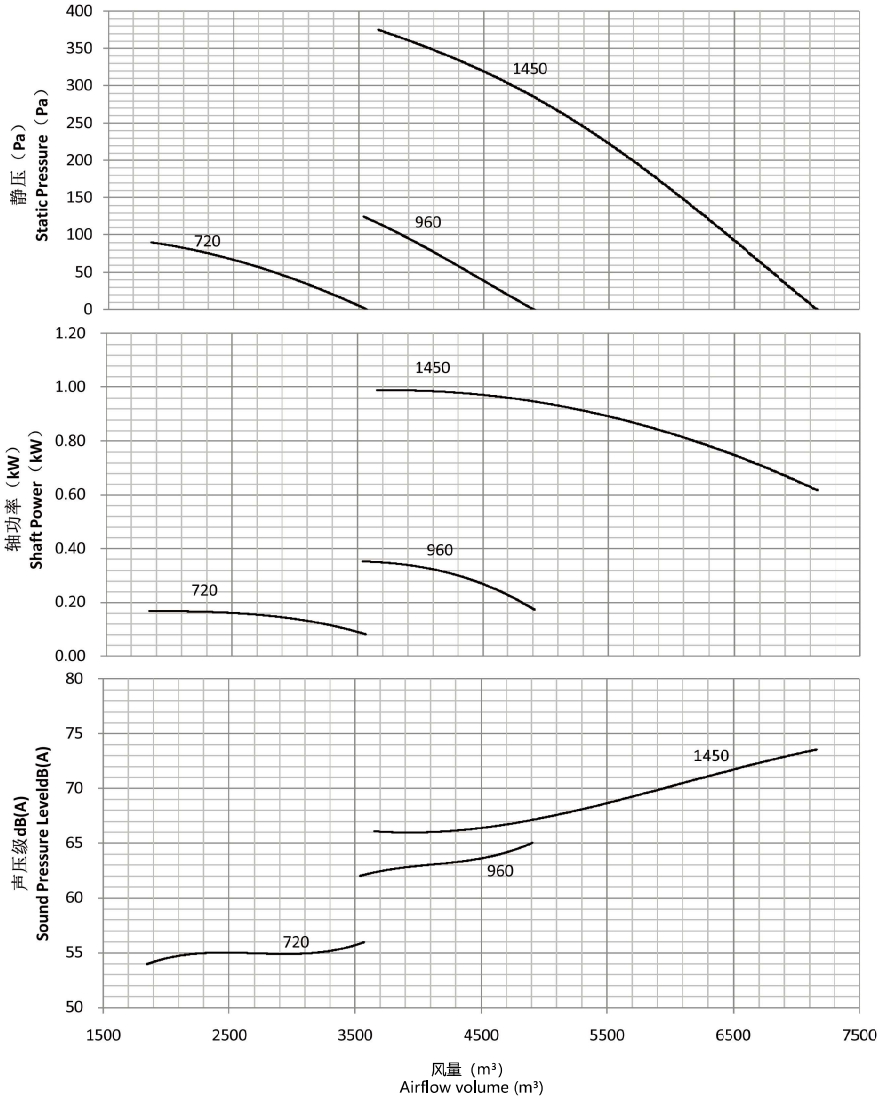
机号 No.	风量 Air flow volume (m³/h)	静压 Static pressure (Pa)	转速 Speed (r/min)	功率 Power (KW)	噪声 Noise dB (A)	重量 Weight (kg)
750-b	27254	0	960	4	79	128
	26798	30			79	
	26307	60			78	
	25423	125			78	
	24179	180			77	
	22955	250			77	
	21666	310			76	
	19760	375			75	
	17959	430			74	
	15024	500			72	
750-c	15553	0	570	0.75	66	96
	14762	30			65	
	13974	60			65	
	11808	125			65	
	7414	180			63	
900-a	35251	0	720	4	73	175
	34169	35			73	
	32963	65			72	
	30322	135			71	
	28057	200			70	
	23347	275			67	
	20708	340			66	
900-b	48095	0	960	11	81	215
	47385	35			81	
	45458	65			80	
	43932	135			80	
	41781	275			79	
	39667	200			79	
	37440	340			78	
	34146	410			77	
	31033	475			76	
	25962	550			74	
900-c	28390	0	570	2.2	68	143
	26946	35			67	
	25570	65			67	
	21554	135			67	
	13534	200			65	
1000-a	43208	0	720	7.5	72	235
	41566	40			72	
	39648	80			71	
	35522	160			70	
	30263	240			69	
	24559	320			68	
1000-b	48356	0	720	11 (高叶轮)	75	256
	46871	40			75	
	45216	80			74	
	41594	160			73	
	40080	240			72	
	32026	320			69	
	28406	400			68	
1000-c	37577	0	570	4	70	205
	35666	40			69	
	33761	80			69	
	28529	160			69	
	17913	240			67	

Note: If fan is used in the ventilated area a,b,c are not required.
注：如果风机用在通风场所，无需带 a,b,c。

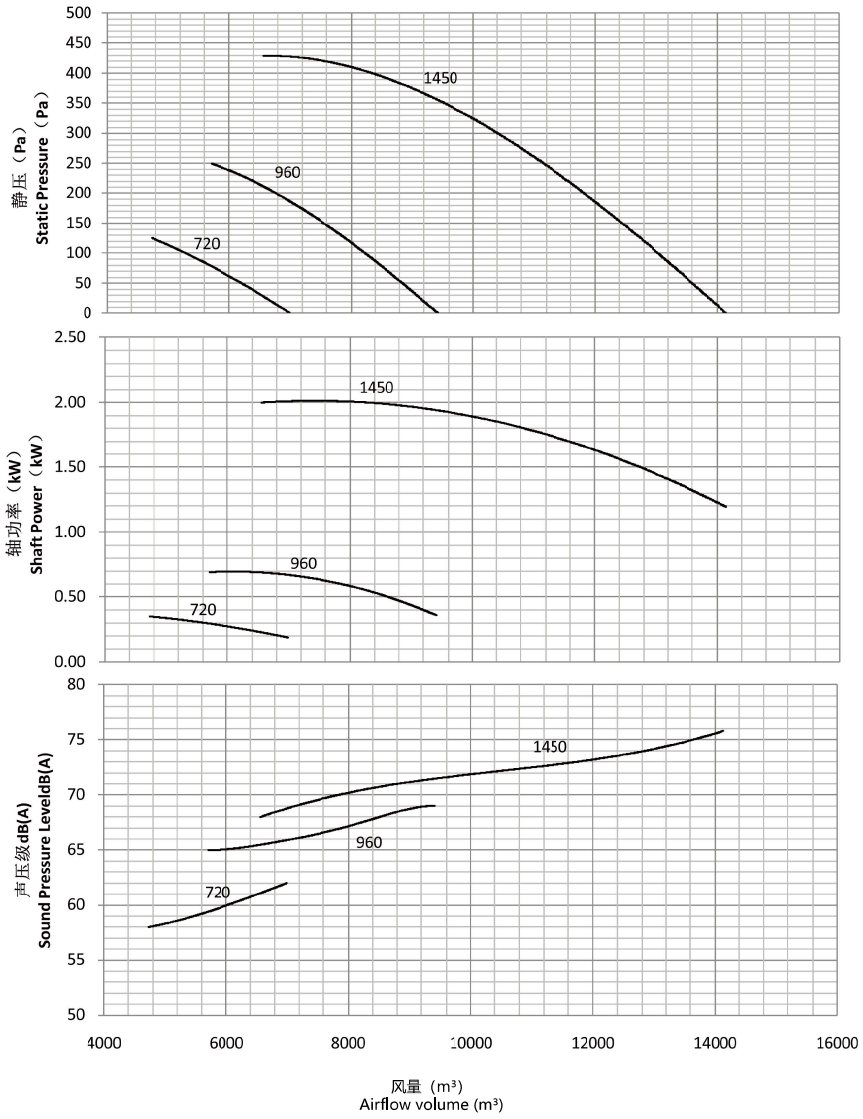
RTC-300、RTC-I-300



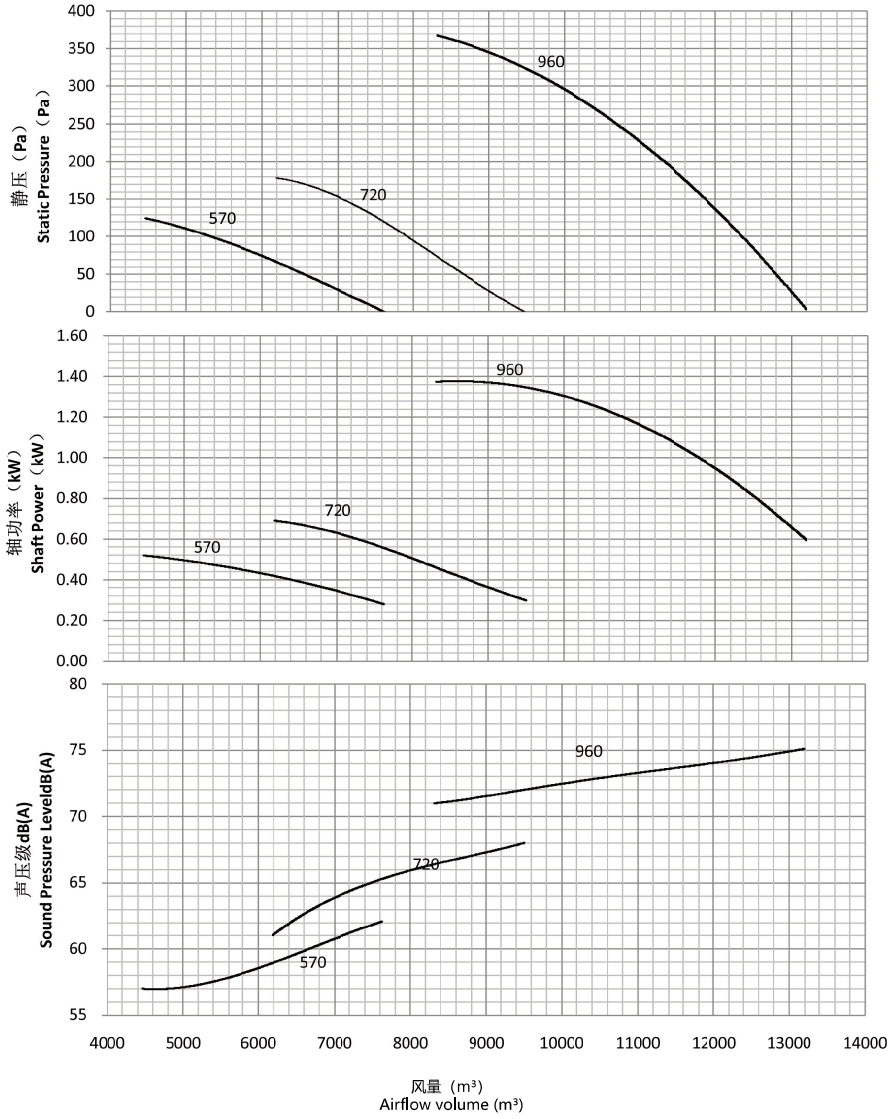
RTC-425、RTC-I-425



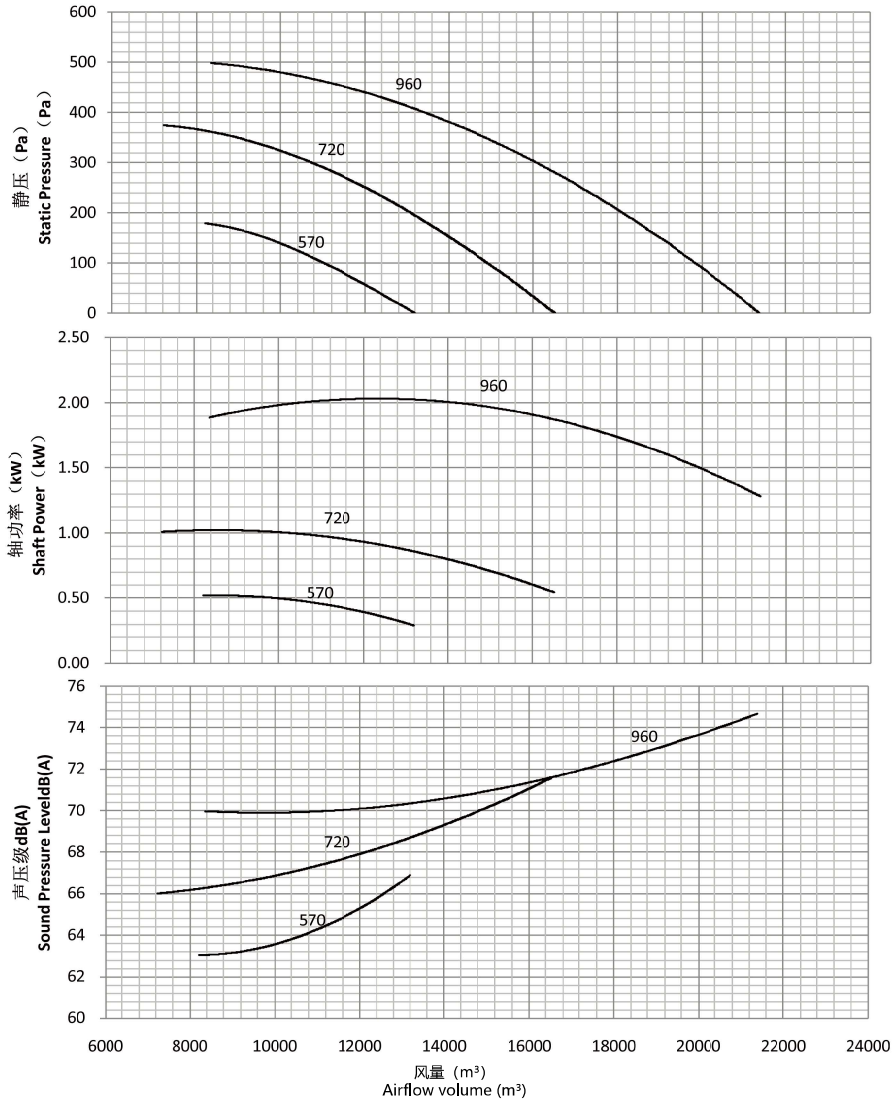
RTC-500、RTC-I-500



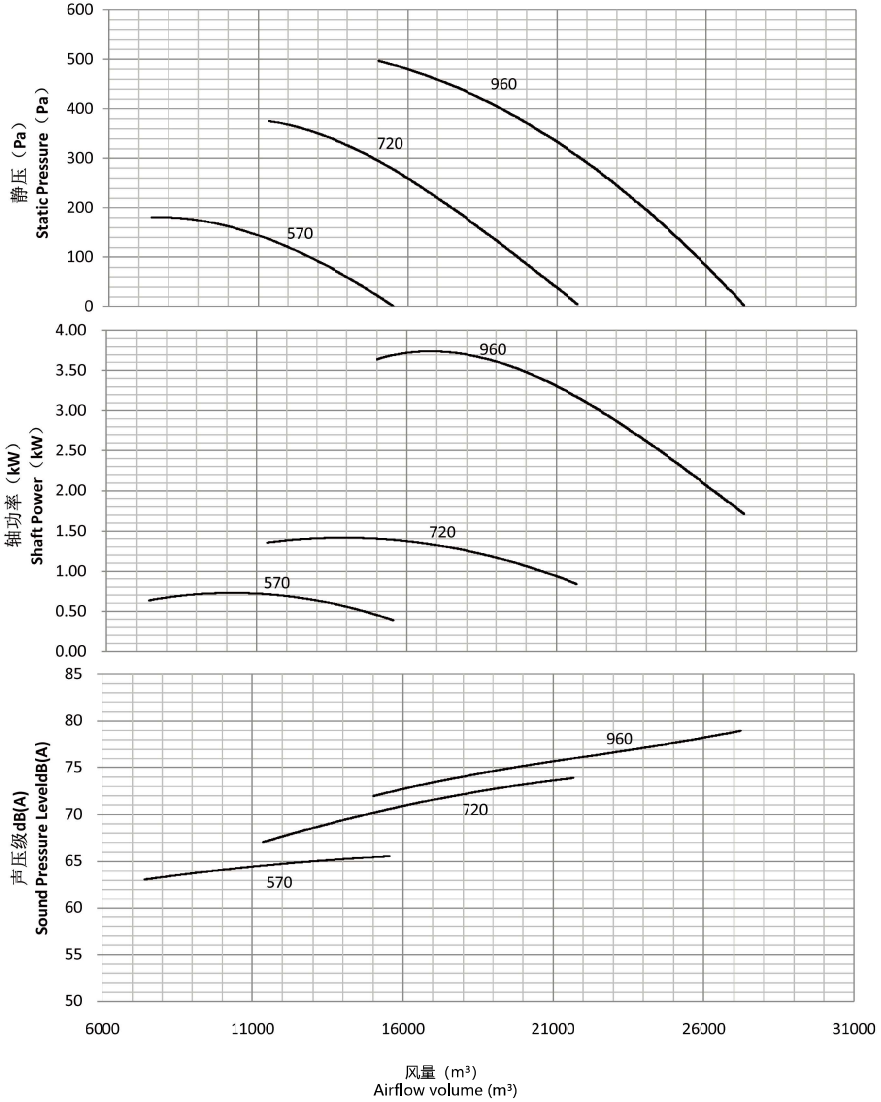
RTC-575、RTC-I-575



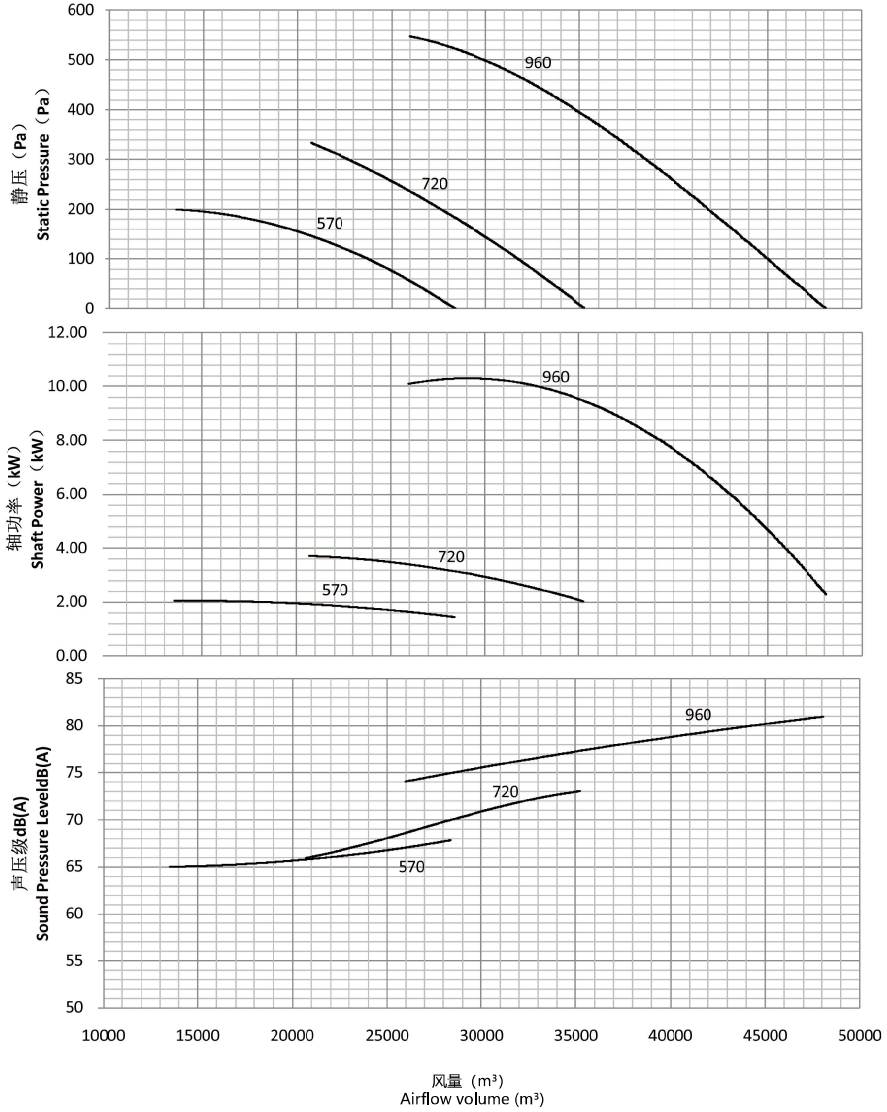
RTC-675、RTC-I-675



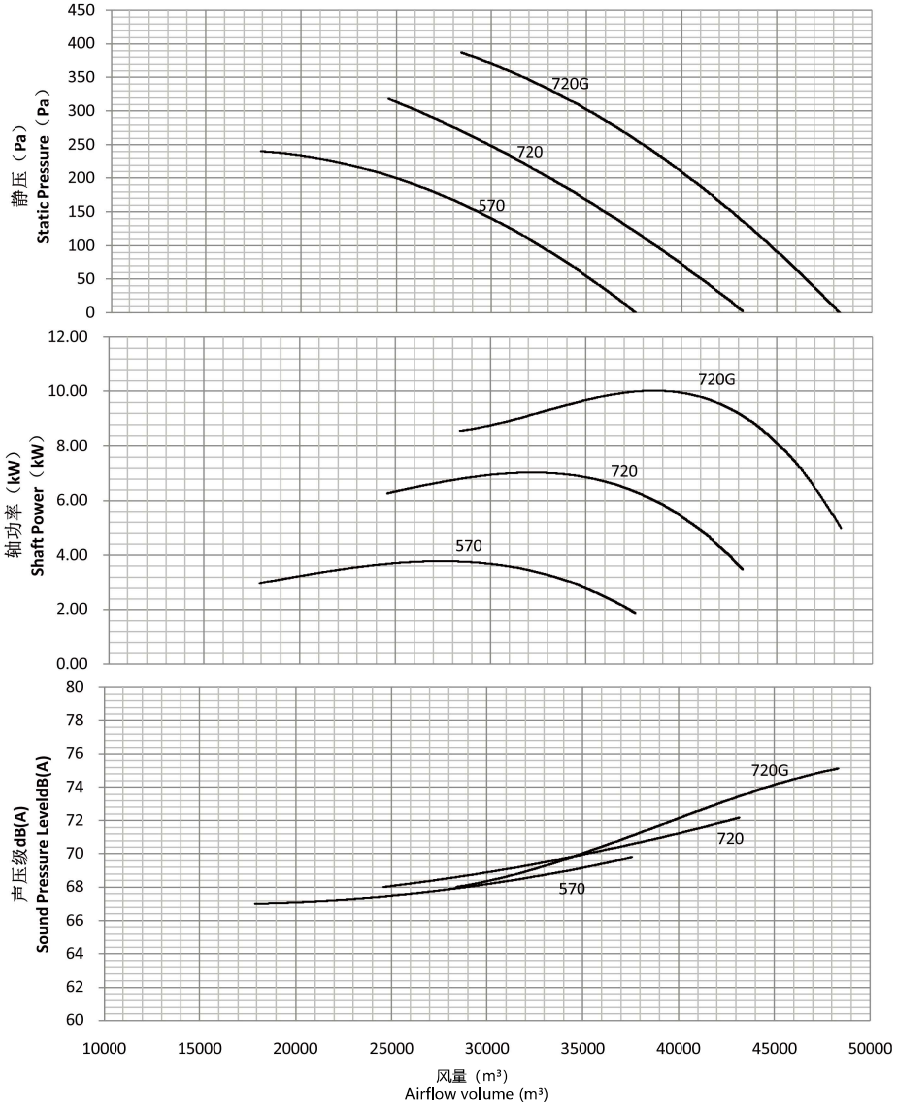
RTC-750、RTC-I-750



RTC-900、RTC-I-900

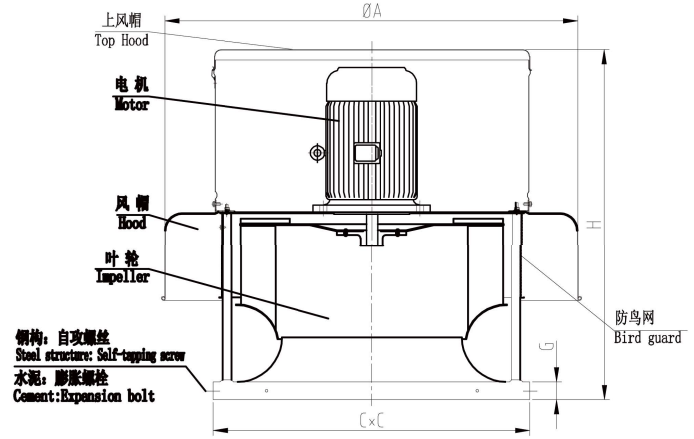


RTC-1000、RTC-I-1000

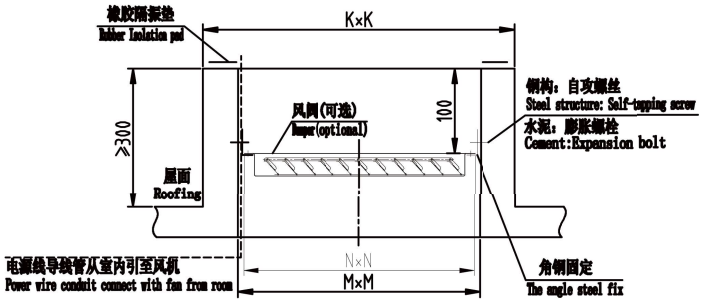


RTC and RTC-I Series Fan outline Structure and Installation Dimension

五、RTC、RTC-I 系列风机外形结构图及安装尺寸



屋面基础剖面图



机号 No. \ 尺寸 size	A (mm)	C (mm)	G (mm)	H (mm)	泛水外沿尺寸 K(mm)Curb Edge Distance	屋顶开洞尺寸 M(mm)Roof Opening size	风阀尺寸 N(mm) Breeze Valve size
300	570	505	40	600	500	370	345
425	720	605	40	720	600	470	445
500	815	705	50	830	700	570	545
575	915	755	50	920	750	620	595
675	1060	875	60	970	870	720	695
750	1200	905	60	1030	900	750	725
900	1440	1150	70	1170	1140	970	945
1000	1590	1250	70	1260	1240	1070	1045

Note:the C, K, M, N can be processed into round shape according to users' needs.

注：表中 C、K、M、N 可以按用户需要加工成圆形。

RSC Series Low-noise Centrifugal Roof Supply Fan

RSC系列低噪声离心式屋顶送风机

General Description

一、简述

RSC series fan has 8 specificattions according the difference of the impeller diameter: 300、425、500、575、675、750、900、1000,the airflow is from 595 m³/h to 44982 m³/h. The highest static pressure reaches 1125Pa.

本系列风机机号按叶轮直径分有 300、425、500、575、675、750、900、1000, 共 8 种规格，风量自 595m³/h 至 44982 m³/h, 最高静压达 1125Pa。

Products Features

二、产品特色

1.Fan impeller: aluminum alloy,the impeller is processed by pressing and moulding,it is in compact structure,large airflow,low noise and high efficient.

2.Matched motor: Use the motor with IP54,and isolation class F,also can use the explosion proof motor,two-speed motor and frequency conversion motor.

3.Housing: It is steeliness,the whole fan structure intensity is designed according to the extreme outside wind speed under 50m/s,it has a quite good wind resistance ability.

4.Current collector: Use the special design to make the impeller leading flow opening match with the air inlet,to effectively control the airflow,reduce the noise and improve the fan efficiency.

5.Fixing bracket: Numerical control preparing material,moulding,punch machining of the fixing hole,it is easy for installation.

6.Gearing: This series fan uses the strap gearing,this driving method can reach the stated air rotate speed,perfectly match with the project situation. The fan bearing has been treated and tested,and its critical rotate speed is 1.3 times than the fan's highest operation speed,the strap is European type.

7.Air valve: Use the gravitational automatic turnoff or electric driving startup and turnoff. The air valve for gravitational automatic turnoff is made up of hot galvanized casing and aluminum alloy heat preservation leaflet,dew eliminating,prevent from air flow backword.

8.Installation and maintenance: The motor shield is in button loop-type,it is easy for operation.

9.Steady operation: This series fan has the small running inertia,high acting balance precision,the balance precision reaches ISO1940 G2.5 level,the whole machine has passed the mechanism,libration and pneumatic control examination,to ensure the steady and reliable operation. It also can extend the life span of the fan,reduce the noise and minish the libration.

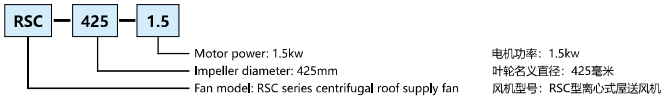
Remark: The fan rotate speed in the parameter sheet is: 460r/min、560r/min、720r/min、960r/min、1450rr/min,the driving method can be motors direct connection.

1. 风机叶轮：材质铝合金，该叶轮的前盘、后盘、叶片经冲压下料、模压成型等多道工序加工，结构紧凑且具有风量大、噪声低、高效率等特点。
2. 风机配套电机：用防护等级 IP54、绝缘等级 F 级电机，也可配防爆电机、双速电机和变频电机。
3. 机壳：采用钢制，环氧面漆喷涂处理，本风机整体结构强度按 50m/s 极端室外风速的条件进行设计。具有较强的抗风能力。
4. 集流器：采用精密的文丘里管设计，一次加工成形，使叶轮导流口与进风口充分吻合，有效控制气流组织，符合流体力学的双曲线型文丘里进风口，大幅降低入口噪声，提高风机效率。
5. 固定支架：数控下料、成型，多工位数控冲床加工固定孔，安装方便。
6. 传动装置：本系列风机采用皮带、皮带轮传动，这种传动形式可以根据不同的带配置来达到一定的风机转速，能更好地匹配实际工况要求。风机轴经过调质处理和平衡测试，其第一临界转速大于风机最大运行速度的 1.3 倍，皮带轮选用欧式带轮。
7. 风阀：采用重力自垂式或电动驱动启闭式，重力自垂式风阀框架为热镀锌板，百叶材质为保温型铝合金，可防结露、防气流倒灌，尤其适合北方严寒地区使用。
8. 安装维护：电机防护罩采用扣襻固定结构，操作方便，省时省力。
9. 运转平稳：本风机的转动惯量小，平衡品质优，平衡品质达到 ISO1940 标准的 G2.5 平衡品质等级水平，整机经过机械运转试验、振动试验和气动性能试验，以保证达到运行平稳、可靠的要求，有效延长风机的使用寿命，降低噪声，减小振动。

注：性能参数表中关于风机转速为：460r/min、560r/min、720r/min、960r/min、1450rr/min 传动方式可以采用电机直联。

Naming Conventions

三、命名规范



Technical Parameter Sheet

四、RSC 系列风机性能参数表

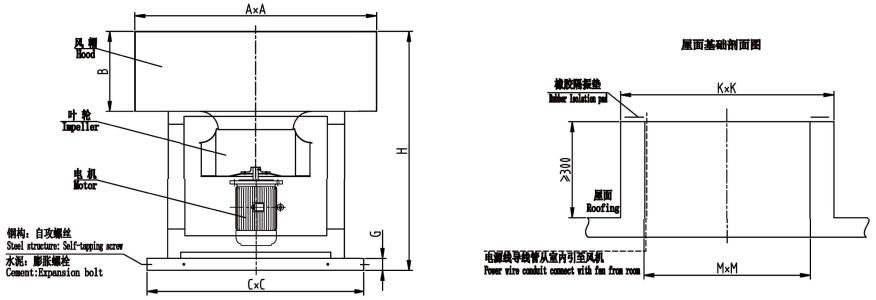
机号 No.	转速 Speed (r/min)	风量 Air flow volume (m^3/h)	静压 Static pressure (Pa)	功率 Power (KW)	噪声 Noise dB (A)
300	960	2061	0	0.18	52
		1876	24		51
		1664	54		51
		1453	83		51
		3227	0		65
	1450	3121	25	0.18	65
		3023	51		65
		2870	85		64
		2774	117		63
		2620	139		63
		2476	167		62
		2128	238		61
425	720	3646	0	0.18	55
		3255	24		54
		2758	52		54
		1953	80		53
	960	5049	0	0.37	64
		4661	23		63
		4401	50		62
		4008	79		61
		3667	118		61
	1450	7225	0	1.1	72
		7044	29		72
		6821	56		72
		6596	80		71
		6387	115		71
		6118	170		70
		5643	196		68
		5403	235		67
		5685	291		67
		3750	362		65
500	720	7100	0	0.37	61
		6622	24		60
		6124	59		59
		5576	76		59
		4830	116		58
	960	9521	0	0.75	68
		9189	28		68
		8778	54		67
		8419	78		67
		8055	116		66
		7163	167		65
		5805	233		64
	1450	14257	0	2.2	75
		13962	24		75
		599	51		75
		13202	83		74
		12830	118		74
		12147	164		73
		11355	233		73
		10416	294		73
		9004	359		72
		6688	410		69
575	570	7751	0	0.55	62
		7065	22		61
		6524	54		60
		5696	79		60
		4580	117		59
	720	9637	0	0.75	68
		8994	24		67
		8662	58		66
		8220	85		66
		7725	120		65
		7098	133		63
		6296	161		61

机号 No.	转速 Speed (r/min)	风量 Air flow volume (m^3/h)	静压 Static pressure (Pa)	功率 Power (KW)	噪声 Noise dB (A)
575	960	13318	0	1.5	75
		13078	21		75
		12840	52		74
		12567	79		74
		12271	117		74
		11989	34		73
		11675	161		73
		10877	234		73
		9583	291		72
		8436	354		71
675	570	13331	0	0.55	66
		12678	22		65
		12067	48		64
		10554	118		63
		8345	166		63
	720	16651	0	1.1	72
		16189	22		71
		15670	47		70
		14678	114		69
		13534	162		68
		12247	233		67
		10552	296		67
		7357	361		66
	960	21528	0	2.2	74
		21056	23		74
		20572	48		74
		19584	114		73
		18485	162		73
		17298	235		72
		15981	290		71
		14535	364		70
		12249	411		70
		8480	478		69
750	570	15647	0	0.75	65
		14888	21		65
		14081	42		64
		11935	113		63
		7566	156		63
	720	21845	0	1.5	74
		21286	20		74
		20794	50		73
		19242	115		73
		17936	162		72
		16465	229		71
		14667	294		70
		11470	357		68
	960	27384	0	4	79
		26852	21		79
		26438	46		78
		25561	114		78
		24299	160		77
		23052	231		76
		21780	288		76
		19885	356		75
		18076	408		74
		15157	475		72
900	570	28537	0	2.2	67
		27081	23		66
		25679	54		66
		21678	121		65
		13666	183		64
	720	35377	0	4	73
		34281	24		72
		33089	51		71
		30485	117		71
		30184	180		70
		23472	260		68
		20860	316		67
	960	48206	0	11	81
		47480	31		81
		45586	50		80
		44067	121		80
		41905	176		79
		39791	257		79
		37564	321		79
		34282	387		78
		31174	459		77
		26093	524		76

机号 No.	转速 Speed (r/min)	风量 Air flow volume (m^3/h)	静压 Static pressure (Pa)	功率 Power (KW)	噪声 Noise dB (A)
1000	570	37684	0	4	70
		35793	28		69
		33887	64		68
		28669	152		68
		18072	222		67
	720	43340	0	7.5	73
		41691	31		73
		39776	69		72
		35655	145		72
		30397	223		70
		24689	297		69
	720	48486	0	11 (高叶轮)	75
		47023	30		74
		45355	71		74
		41734	146		73
		40210	218		72
		32154	301		70
		28533	377		69

RSC Serise Outline Structure Picture and Installation Dimension

五、RSC 系列风机外形结构及安装尺寸

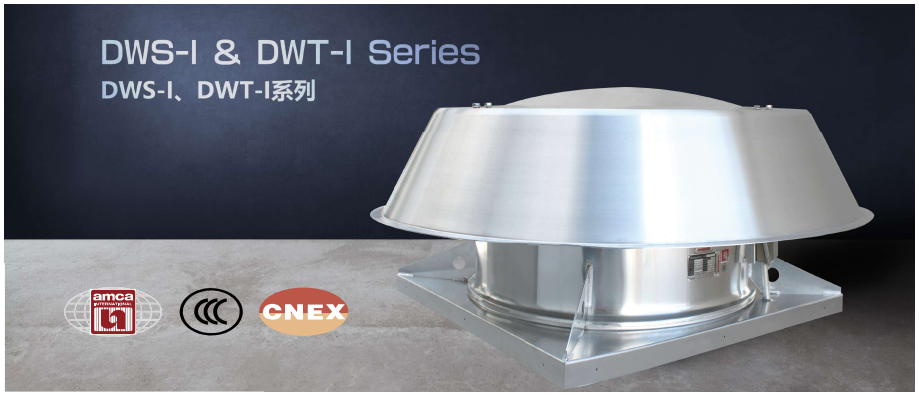


机号 No. \ 尺寸 size	A (mm)	B (mm)	C (mm)	G (mm)	H (mm)	泛水外沿尺寸 K(mm)Curb Edge Distance	屋顶开洞尺寸 M(mm)Roof Opening size	不含电机重量 weight without motor (kg)
300	720	280	555	50	780	550	400	68
425	860	300	635	50	960	630	480	80
500	960	320	740	50	995	735	580	95
575	1050	350	840	70	1105	835	680	105
675	1210	390	940	70	1215	930	780	137
750	1330	430	1050	70	1400	1040	850	162
900	1580	480	1270	90	1640	1260	1070	190
1000	1750	500	1380	90	1740	1370	1180	230

Note:the C, K, M, N can be processed into round shape according to users' needs.

注：表中 C、K、M、N 可以按用户需要加工成圆形。

功率 Power (kW)	电机重量 Motor Weight (kg)			
	1450 (r/min)	960 (r/min)	720 (r/min)	570 (r/min)
0.18	13.5	14	16	/
0.37	/	16	24	/
0.55	/	/	/	38
0.75	/	22	30	40
1.1	21	/	32	/
1.5	/	32	40	/
2.2	33	41	/	73
4	/	72	105	115
7.5	/	/	145	/
11	/	145	160	/



DWS-I and DWT-I Series Low-noise Axial Flow Roof Fan (Steel/fiberglass)
DWT-I Series Axial Flow Fire Smoke Exhaust Fan (Steel, Roof)
DWS-I、DWT-I系列低噪声轴流式屋顶送、排风机（钢制 / 玻璃钢制）
DWT-I系列轴流式消防排烟风机（钢制、屋顶型）

General Description

一、简述

DWS-I and DWT-I series roof fan has many different specs and models,it is widly used, and is in high efficiency,low noise,light weight,high intensity. It is rotproof,in steady operation,has long life span and beautiful appearance.

This series fan is widly used for the ventilation of the power plant,chemical plant,rubber plant,mechanism plant and hi-class civil building.

This series fan has 17 specificattions according the difference of the impeller diameter: 300、400、500、600、700、800、900、1000、1120、1200、1400、1500、1600、1800、2000、2200、2400.

DWS-I、DWT-I 系列屋顶式通风机，本系列风机具有规格形式多、应用范围广、效率高、噪声低、重量轻、高强度、耐腐蚀、运转平稳、寿命长、外形美观等众多优点。

该类风机广泛应用于发电厂、化工厂、橡胶厂、机械制造等车间和高级民用建筑的送、排风；

本系列轴流式屋顶风机按叶轮直径分有 300、400、500、600、700、800、900、1000、1120、1200、1400、1500、1600、1800、2000、2200、2400 共 17 种规格。

Products Characteristics

二、产品特色

1. Fan impeller: aluminum alloy, in large airflow volume, low noise, high efficient, etc. When used with reversible bidirectional blades, the fan can be forward and reversible ventilation in the same installation position, and the blade angle can be adjusted at static state for air supply and exhaust both.

2.Matched motor: Use the motor with IP54,and isolation class F,when the isolation class is H,the products can be contantly operated under 280℃/45min,also can use the explosion proof motor,two-speed motor and frequency conversion motor.

3.Housing and funnel cap:the fan housing is made of steel and the funnel cap is made of FRP or aluminium. Structure intensity of the whole fan is designed at the extreme outside wind speed of 50m/s,which has a quite good wind resistance ability.

4.Valve: gravity automatic close type or electric driven open-close type. The gravity automatic close valve consists of galvanized plate frame and aluminum alloy blades; The blades of the electric driven open-close valve is aluminium alloy insulation louver which can prevent condensation and reverse flow. The smoke exhaust and fire prevention valve can be optional smoke exhaust and ventilation, and the fan and the smoke exhaust and fire prevention valve have passed the type test for national fire fighting products.

5.Installation and maintenance: Maintain the fan just after remove the funnel cap,it is easy to operate.

6.Filter screen: the fan in this series is equipped with an inlet extraction filter screen which can be extracted for cleaning and reusing.

7.Steady operation: This series fan has the small running inertia,high acting balance precision,the balance precision reaches ISO1940 G2.5 level,the whole machine has passed the mechanism,libration and pneumatic control examination,to ensure the steady and reliable operation. It also can extend the life span of the fan,reduce the noise and minish the libration.

8.The fans have passed various certifications of China compulsory product,explosion proof and AMCA.

1. 风机叶轮：材质采用铝合金，该叶轮有风量大、噪声低、高效率等特点，配用双向可逆叶片时，可在同一安装位置下实现正反双向通风，叶片角度在静态时可根据出风要求任意调节，送、排风兼用。

2. 风机配套电机：用防护等级 IP54、绝缘等级 F 级电机，如配绝缘等级为 H 级，产品可在 280℃/45min 高温环境下连续运行，另也可配防爆电机、双速电机和变频电机。

3. 风机外壳钢制，风帽：采用玻璃钢或全铝制，本风机整体结构强度按 50m/s 极端室外风速的条件进行设计，有较好的抗风能力。

4. 风阀：采用重力自动关闭式或电动驱动启闭式。重力自动关闭式风阀材质为框架镀锌板，叶片铝合金；电动驱动启闭式风阀叶片采用铝合金保温型百叶制造，防结露，防气流倒灌。排烟、通风二用，可选配排烟防火阀，风机、排烟防火阀均已通过国家消防产品型式试验。

5. 安装维护：风帽移开后即可维护检修，操作简便、灵活。

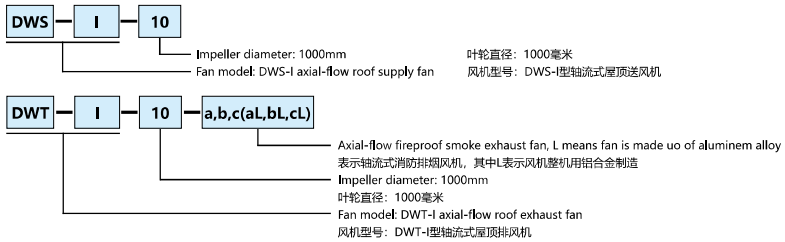
6. 风口过滤网：该系列送风机进风口配抽取式过滤网，可抽出清洗并重复使用。

7. 运转平稳：本风机的转动惯量小，平衡品质优，平衡品质达到 ISO1940 标准的 G2.5 平衡品质等级水平，整机经过机械运转试验、振动试验和气动性能试验，以保证达到运行平稳、可靠的要求，有效延长风机的使用寿命，降低噪声，减小振动。

8. 消防 3C、防爆、AMCA 产品多种认证。

Naming Conventions

三、命名规范



Note: If fan is used in the ventilated area,a,b,c,aL,bL and cL are not required.

注：如果风机用在通风场所，无需带 a,b,c,aL,bL,cL.

Technical Parameter Sheet

四、DWS-I,DWT-1 系列风机性能参数表

机号 No.	风量 Air flow volume (m^3/h)	风压 Total pressure (Pa)	转速 Speed (r/min)	装机容量 Rated power(kW)	额定电流 Rated Current (A)	噪声 Noise dB (A)
3-a	3300	181	2850	0.37	0.95	66
	3000	206				
	2600	232				
3-b	1650	62	1450	0.06	0.28	52
	1560	66				
	1450	72				
4-a	7450	193	2850	0.75	1.8	69
	6350	230				
	5300	250				
4-b	5700	176	1450	0.55	1.6	67
	5400	184				
	4580	190				
5-a	8000	135	1450	0.55	1.6	68
	7000	162				
	5600	191				
5-b	7000	113	960	0.37	1.3	63
	6700	122				
	6400	131				
5-c	6000	88	720	0.25	1.1	58
	5000	92				
	4100	96				

机号 No.	风量 Air flow volume (m^3/h)	风压 Total pressure (Pa)	转速 Speed (r/min)	装机容量 Rated power(kW)	额定电流 Rated current (A)	噪声 Noise dB (A)
6-a	15000	232	1450	1.5	3.7	73
	14000	251				
	13000	267				
6-b	11000	168	960	1.1	3.2	67
	10000	183				
	9100	193				
6-c	8500	111	720	0.55	1.9	62
	8000	127				
	7600	136				
7-a	17500	165	960	1.5	4.0	69
	15000	201				
	12500	212				
7-b	12000	141	720	0.75	2.6	63
	11000	163				
	9200	177				
7-c	9300	83	560	0.55	1.95	59
	8500	94				
	7200	102				
8-a	27000	175	960	2.2	5.6	73
	25000	207				
	23000	228				
8-b	20000	129	720	1.5	4.8	66
	18000	154				
	16000	167				
8-c	15750	78	560	0.75	3.1	63
	14500	96				
	12250	121				
9-a	34500	202	960	3.0	7.2	76
	29000	236				
	24000	256				
9-b	32000	126	720	2.2	5.8	72
	28000	156				
	24000	177				
9-c	24000	102	560	1.1	3.9	67
	21500	118				
	18600	126				
10-a	50000	251	960	5.5	12.6	81
	45000	286				
	39000	317				
10-b	46000	141	720	3.0	7.7	76
	40000	167				
	35000	183				
10-c	28000	111	560	1.5	5.1	69
	24000	125				
	20000	133				
11.2-a	56900	253	960	5.5	12.6	82
	49500	296				
	40400	322				
11.2-b	52500	138	720	3.0	7.7	77
	45000	169				
	40000	183				
11.2-c	32000	111	560	1.5	5.1	71
	28000	128				
	25000	142				

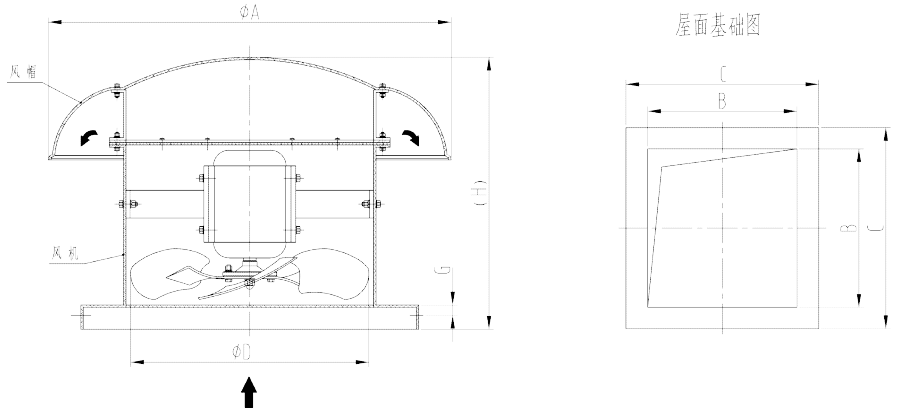
Note: If fan is used in the ventilated area,a,b and c are not required.

注：如果风机用在通风场所，无需带 a,b,c.

机号 No.	安装角度 Ang.deg	风量 Air flow volume (m^3/h)	风压 Total pressure (Pa)	转速 Speed (r/min)	装机容量 Rated power (kW)	额定电流 Rated current (A)	噪声 Noise dB (A)
12	22°	57000	196	720	5.5	13.3	73
	19°	50000	205				
	16°	44000	209				
12	27°	42000	126	560	3.0	9.0	67
	24°	37500	134				
	21°	33000	148				
14	17°	76700	250	720	7.5	17.7	77
	15°	68000	261				
	13°	57500	268				
14	22°	69000	159	480	4.0	12.5	69
	20°	68000	169				
	18°	51500	175				
15	19°	88500	195	720	7.5	17.7	78
	17°	80000	203				
	15°	70000	208				
15	23°	74750	149	480	4.0	12.5	70
	21°	65000	158				
	19°	55800	165				
16	20°	107500	235	720	11	25.1	79
	18°	95000	248				
	16°	81500	256				
16	27°	61000	131	320	4.0	12.2	70
	25°	52500	152				
	23°	42600	167				
18	17°	129300	261	720	15	34.0	80
	15°	112500	276				
	13°	96450	287				
18	23°	96250	122	480	5.5	16.7	71
	21°	86150	136				
	19°	74300	143				
18	26°	79150	115	320	4.0	12.2	66
	23°	71550	126				
	20°	62500	148				
20	23°	168700	215	480	15	36.8	78
	21°	150000	234				
	19°	131000	247				
20	21°	125500	118	320	5.5	18.7	68
	18°	110000	121				
	15°	95200	132				
22	18°	201600	193	480	15	36.8	79
	16°	180000	205				
	14°	165000	210				
22	29°	155000	135	320	7.5	24.8	71
	27°	120000	142				
	25°	119500	155				
24	19°	220800	212	480	22	58.9	84
	17°	198500	228				
	15°	176500	246				
24	26°	175000	148	320	11	35.8	77
	23°	162000	164				
	20°	135000	188				
24	21°	140000	150	220	7.5	24.8	70
	18°	120000	162				
	15°	85000	171				

Outline Structure Picture and Installation Dimension
五、外形结构及安装尺寸

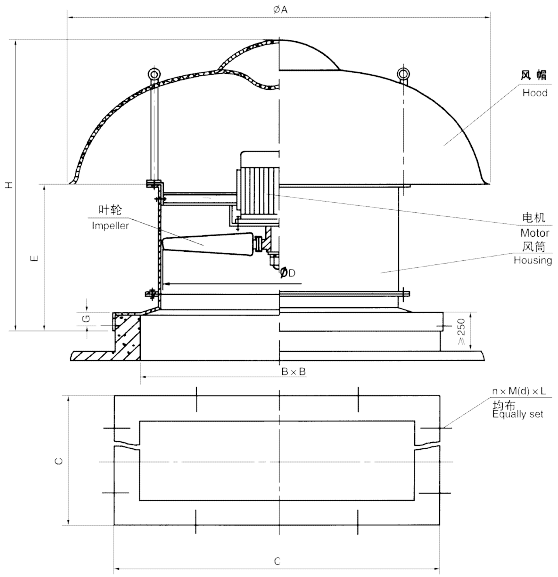
No3-11. 2 fan of DWS-I and DWT-I series



尺寸 size / 机号 No.	ΦA (mm)	ΦD (mm)	B (mm)	G (mm)	C (mm)	H (mm)	主体材料：玻璃钢 / 碳钢 (不含电机重量) Main material:fiberglass/carbon (excluding motor weight) (kg)
3	Φ580	Φ300	370	35	510	567	8/9
4	Φ650	Φ400	470	35	630	647	16/18
5	Φ900	Φ500	570	35	750	697	24/26
6	Φ1000	Φ600	670	50	870	836	32/34
7	Φ1200	Φ700	800	50	1000	836	43/45
8	Φ1340	Φ800	900	50	1100	926	60/62
9	Φ1650	Φ900	1000	50	1250	1076	73/76
10	Φ1650	Φ1000	1100	60	1400	1196	89/93
11.2	Φ1650	Φ1120	1240	60	1540	1145	123/128

功率 Power (kW)	电机重量 Motor Weight (kg)				
	2850 (r/min)	1450 (r/min)	960 (r/min)	720 (r/min)	560 (r/min)
0.06	/	4	/	/	/
0.25	/	/	/	11	/
0.37	7	/	11	/	/
0.55	/	10	/	20	38
0.75	10.5	/	/	33	40
1.1	/	/	19.5	/	45
1.5	/	20	33	44	62
2.2	1	/	45	63	/
3	/	/	63	79	/
5.5	/	/	84	/	/

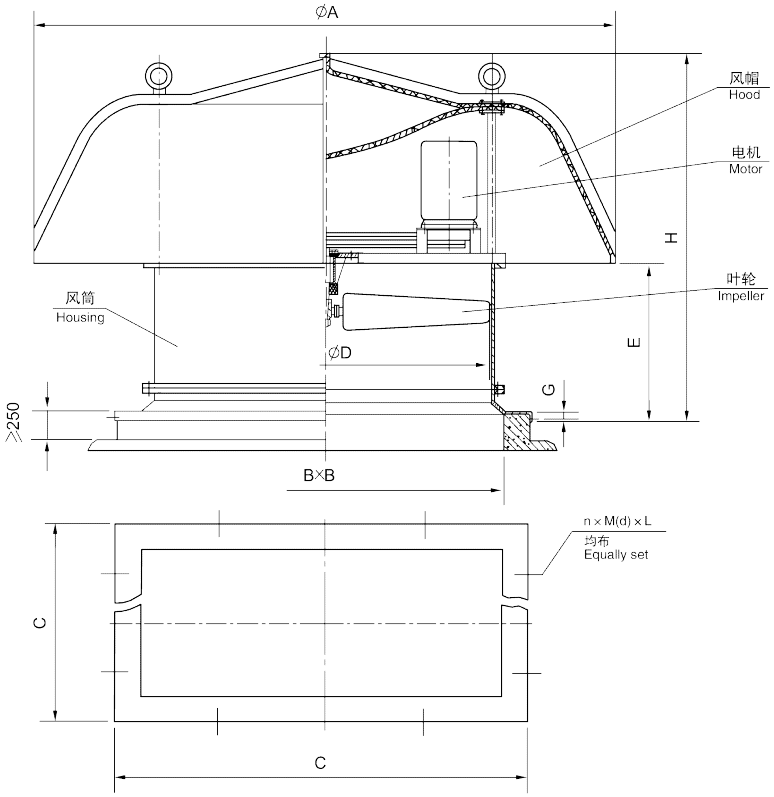
No12-20 fan of DWS-I and DWT-I series



尺寸 size / 机号 No.	ΦA (mm)	ΦD (mm)	B (mm)	G (mm)	C (mm)	E (mm)	H (mm)	nxM (d) xL 混凝土基础 (钢膨胀螺栓) concrete base (steel expansion bolt)	nxM (d) xL 钢结构基础 (六角头螺栓) steel seructure base (hexagon bolt)	主体材料：玻璃钢/碳钢(不含电机重量) Main material: fiberglass/carbon (excluding motor weight) (kg)
12	Φ1850	Φ1200	1360	60	1660	500	1315	12xM12x110	12xM12x45	112/113
14	Φ2000	Φ1400	1560	60	1900	600	1450	12xM12x110	12xM12x45	149/152
15	Φ2500	Φ1500	1700	60	2040	600	1450	16xM12x110	16xM12x50	162/165
16	Φ2500	Φ1600	1800	60	2160	600	1580	16xM12x110	16xM12x50	166/170
18	Φ3100	Φ1800	2000	60	2400	600	1580	16xM12x110	16xM12x50	180/184
20	Φ3400	Φ2000	2200	60	2600	600	1580	16xM16x150	16xM16x50	290/295

功率 Power (kW)	电机重量 Motor Weight (kg)			
	720 (r/min)	560 (r/min)	480 (r/min)	320 (r/min)
3	/	80	/	/
4	/	/	125	182
5.5	112	/	136	280
7.5	136	/	/	230
11	182	/	/	265
15	280	/	260	/

No22-24 fan of DWS-I and DWT-I series



尺寸 size / 机号 No.	ΦA (mm)	ΦD (mm)	B (mm)	G (mm)	C (mm)	E (mm)	H (mm)	nxM (d) xL 混凝土基础 (钢膨胀螺栓) concrete base (steel expansion bolt)	nxM (d) xL 钢结构基础 (六角头螺栓) steel seructure base (hexagon bolt)	主体材料：玻璃钢/碳钢(不含电机重量) Main material: fiberglass/carbon (excluding motor weight) (kg)
22	Φ3400	Φ2200	2400	60	2800	600	1660	16xM16x150	16xM16x50	380/400
24	Φ3800	Φ2400	2600	60	3000	600	1660	16xM16x150	16xM16x50	460/490

功率 Power (kW)	电机重量 Motor Weight (kg)		
	720 (r/min)	480 (r/min)	320 (r/min)
7.5	145	/	230
11	160	/	265
15	228	260	/
22	/	450	/

DWT-I Series Axial Flow Fireproof Smoke Exhaust Fan (Steel, Roof)
DWT-I Series Low-noise Axial Flow Roof Exhause Fan (Aluminium)

DWT-I系列轴流式消防排烟风机（铝制、屋顶型）

DWT-I系列低噪声轴流式屋顶排风机（铝制）

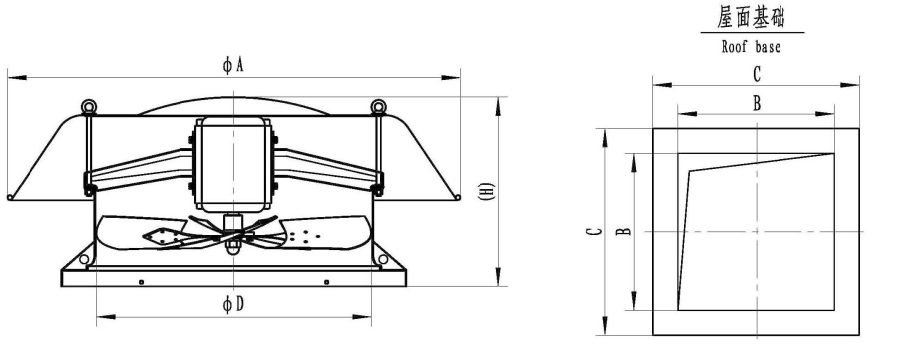
Technical Data
一、技术数据

机号 No.	风量 Air flow volume (m^3/h)	风压 Total pressure (Pa)	转速 Speed (r/min)	功率 Power (kW)	电机电流 Motor current (A)	噪声 Noise dB (A)	重量 Weight (kg)
5-aL	8000	135	1450	0.55	1.6	68	32
	7000	162					
	5600	191					
5-bL	7000	113	960	0.37	1.3	63	33
	6700	122					
	6400	131					
5-cL	6000	88	720	0.25	1.1	58	33
	5000	92					
	4100	96					
6-aL	15000	232	1450	1.5	3.7	73	48
	14000	251					
	13000	267					
6-bL	11000	168	960	1.1	3.2	67	48
	10000	183					
	9100	193					
6-cL	8500	111	720	0.55	1.9	62	48
	8000	127					
	7600	136					
7-aL	17500	165	960	1.5	4.0	69	67
	15000	201					
	12500	212					
7-bL	12000	141	720	0.75	2.4	63	65
	11000	163					
	9200	177					
7-cL	9300	84	560	0.55	1.95	59	73
	8500	94					
	7200	102					
8-aL	27000	175	960	2.2	5.6	73	80
	25000	207					
	23000	228					
8-bL	20000	129	720	1.5	4.8	66	79
	18000	154					
	16000	167					
8-cL	15750	78	560	0.75	3.1	63	79
	14500	96					
	12250	121					
9-aL	34500	202	960	3.0	7.2	76	108
	29000	236					
	24000	256					
9-bL	32000	126	720	2.2	5.8	72	109
	28000	156					
	24000	177					
9-cL	24000	102	560	1.1	3.9	67	90
	21500	118					
	18600	126					

机号 No.	风量 Air flow volume (m^3/h)	风压 Total pressure (Pa)	转速 Speed (r/min)	功率 Power (kW)	电机电流 Motor current (A)	噪声 Noise dB (A)	重量 Weight kg
10-aL	50000	251	960	5.5	12.6	81	141
	45000	286					
	39000	317					
	56900	253				82	
	49500	296					
	40400	322					
10-bL	46000	141	720	3.0	7.7	76	138
	40000	167					
	35000	183					
	52500	138				77	
	45000	169					
	40000	183					
10-cL	28000	111	560	1.5	5.1	69	122
	24000	125					
	20000	133					
	32000	111				71	
	28000	128					
	25000	142					

Note: Please contact us with your special requirement. If fan is used in the ventilated area,aL,bL and cL are not required.
注：若有特殊要求，可按客户需要提供。如果风机用在通风场所，无需带 aL,bL,cL.

Installation and Overall Dimension
二、安装及外形尺寸



机号 No. \ 尺寸 size	A (mm)	D (mm)	B (mm)	C (mm)	H (mm)
5	1130	500	540	680	500
6	1130	600	640	780	540
7	1330	700	740	880	650
8	1330	800	840	980	700
9	1480	900	940	1080	760
10	1480	1000	1040	1180	790

Please contact us with your special requirement.
注：若有特殊要求，可按客户需要提供。

DWT-II and III Series Low-noise Centrifugal Roof Exhaust Fan (Fiberglass)

DWT-II、III系列低噪声离心式屋顶排风机（玻璃钢制）

General Description
一、简述

DWT-II and III series roof fan has many different specs and models,it is widly used,and is in high efficiency,low noise,light weight,high intensity. It is rotproof,in steady operation,has long life span and beautiful appearance.

This series fan is widly used for the ventilation of the power plant,chemical plant,rubber plant,mechanism plant and hi-class civil building.

This series roof fan: ①centrifugal roof fan (DWT-II) ,total 9 models between Φ300-Φ1000 mm; ② centrifugal roof fan (DWT-III) ,total 10 models between Φ280-Φ800 mm.

DWT-II、DWT-I 系列离心式屋顶排风机具有规格形式多、应用范围广、效率高、噪声低、重量轻、高强度、耐腐蚀、运转平稳、寿命长、外形美观等众多优点。该类风机广泛应用于发电厂、化工厂、橡胶厂、机械制造等车间和高级民用建筑的排风；

本系列屋顶风机：①DWT-II 系列离心式屋顶风机直径自Φ300-Φ1000mm, 共九种机号；②DWT-I 系列离心式屋顶风机直径自 Φ280-Φ800mm, 共十种机号。

Products Characteristics
二、产品特色

1.Fan impeller: aluminum alloy,the impeller is processed by pressing and moulding,it is in compact structure,large airflow,low noise and high efficient.

2.Matched motor: Use the motor with IP54,and isolation class F,can use the explosion proof motor,two-speed motor and frequency conversion motor.

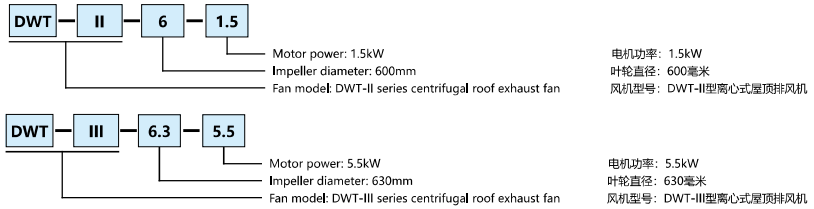
3.Housing and funnel cap: It is made up of fiberglass,the whole fan structure intensity is designed according to the extreme outside wind speed under 50m/s,it has a quite good wind resistance ability.

4.Air valve: Use the gravitational automatic turnoff or electric driving startup and turnoff. The gravity automatic close valve consists of galvanized plate frame and aluminum alloy blades;the air valve for electric driving startup and turnoff is made up of aluminum alloy heat preservation leaflet,dew eliminating,prevent from air flow backword.

5.Installation and maintenance: Maintain the fan just after remove the funnel cap,it is easy to operate.

1. 风机叶轮：材质钢制，叶轮的前盘、后盘、叶片经冲压下料、模压成型等多道工序加工，结构紧凑且具有风量大、噪声低、高效率等特点。
2. 风机配套电机：用防护等级 IP54、绝缘等级 F 级电机，也可配防爆电机、双速电机和变频电机。
3. 风机机壳、风帽：采用玻璃钢制造，本风机整体结构强度按 50m/s 极端室外风速的条件进行设计，有较好的抗风能力。
4. 风阀：采用重力自动关闭式或电动驱动启闭式。重力自动关闭式风阀材质为框架镀锌板，叶片铝合金；电动驱动启闭式风阀叶片采用铝合金保温型百叶制造，防结露。防气流倒灌。
5. 安装维护：风帽移开后即可维护检修，操作简便、灵活。

Naming Conventions
三、命名规范

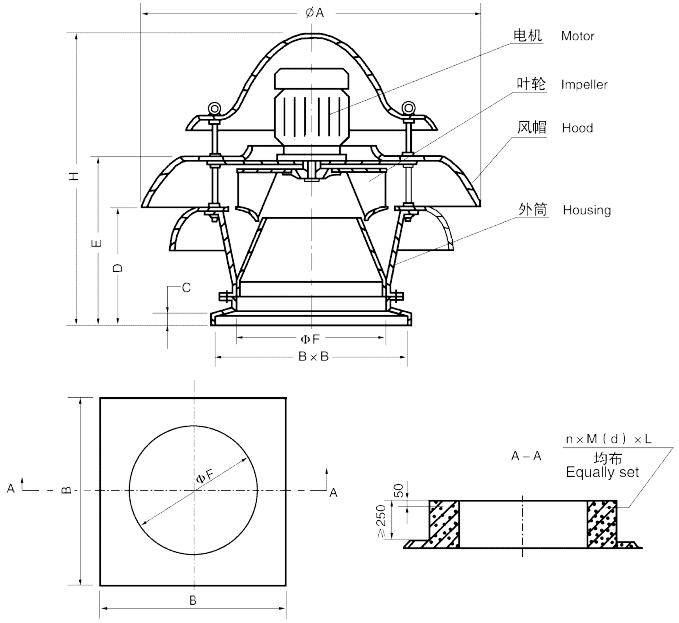


Technical Parameter Sheet
四、DWT-II 系列风机性能参数表

机号 No.	转速 Speed (r/min)	风压 Total pressure (Pa)	风量 Air flow,volume (m^3/h)	功率 Power (kW)	电机电流 Current (A)	噪声 Noise dB (A)
3	1450	220	878	0.75	2.0	57
		210	925			
		188	1059			
		167	1130			
		122	1253			
3.5	1450	299	1395	1.1	2.9	59
		285	1470			
		256	1682			
		227	1794			
		166	1990			
4	1450	412	1887	1.1	2.9	62
		391	2083			
		372	2194			
		334	2510			
		298	2677			
4.5	1450	495	2966	1.1	2.9	63
		471	3124			
		423	3574			
		376	3812			
		231	4514			
5	1450	615	4068	2.2	5.2	64
		582	4285			
		522	4903			
		485	5438			
		378	6113			
6	960	385	5024	1.5	3.9	65
		367	5512			
		330	6120			
		293	6782			
		223	7338			
7	960	548	8015	3.0	7.4	68
		499	8804			
		448	9827			
		398	10836			
		371	11925			
8	960	721	12563	5.5	12.9	70
		686	13565			
		654	14157			
		587	15824			
		521	16708			
10	720	1072	22150	11	25.0	72
		1020	23298			
		916	26573			
		813	28395			
		702	31436			

Outline Structure Picture and Installation Dimension

五、DWT-II 系列风机外形结构及安装尺寸



机号 No. \ 尺寸 size	ΦA (mm)	B (mm)	C (mm)	D (mm)	E (mm)	ΦF (mm)	H (mm)	nxM (d) xL	不含电机重量 weight without motor (kg)
3	Φ690	430	80	322	436	Φ300	716	4xM8x80	26
3.5	Φ805	480	80	338	418	Φ350	758	4xM8x80	30
4	Φ920	520	80	350	508	Φ400	803	4xM8x80	36
4.5	Φ1035	570	80	390	560	Φ450	815	8xM8x80	40
5	Φ1150	640	80	430	605	Φ500	985	8xM10x95	53
6	Φ1250	820	80	472	662	Φ600	1026	8xM12x110	86
7	Φ1460	910	80	550	780	Φ700	1270	8xM12x110	136
8	Φ1610	1050	80	563	818	Φ800	1353	12xM12x110	166
10	Φ1840	1300	80	655	970	Φ1000	1560	12xM12x110	236

功率 Power (kW)	电机重量 Motor Weight (kg)		
	1450 (r/min)	960 (r/min)	720 (r/min)
0.75	16	/	/
1.1	21	/	/
1.5	/	32	/
2.2	33	/	/
3	/	63	/
5.5	/	81	/
11	/	/	160

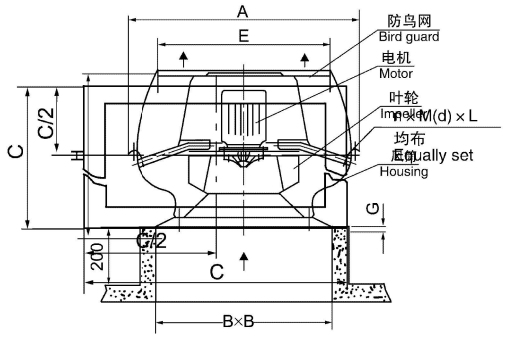
Technical Parameter Sheet

六、DWT-III 系列风机性能参数表

机号 No.	转速 Speed (r/min)	风量 Air flow volume (m^3/h)	静压 Static Pressure (Pa)	装机容量 Rated power (kW)	额定电流 Rated Current (A)
2.8	1440	1260	100	0.55	1.6
		1040	150		
	2880	3080	100	1.1	2.6
		2710	300		
		2300	500		
3.15	1440	2050	80	0.55	1.6
		1740	150		
		1450	200		
	2880	4370	300	1.5	3.4
		3920	400		
		3470	600		
3.55	1440	2880	100	1.1	2.9
		2620	150		
		2320	200		
	2880	6270	150	2.2	4.9
		5760	400		
		4930	700		
4.0	960	2750	80	0.75	2.3
		2590	100		
		2040	150		
	1440	4460	100	1.1	2.9
		4030	200		
		3420	300		
4.5	960	3940	100	0.75	2.3
		3460	150		
		2760	200		
	1440	6280	150	1.1	2.9
		5470	300		
		4680	400		
5.0	720	4230	80	0.55	2.2
		3870	100		
		2450	150		
	960	6120	100	1.1	3.2
		5530	150		
		4470	200		
	1440	9650	150	2.2	5.2
		8640	300		
		7740	400		
5.6	720	4860	150	0.75	2.4
		1800	200		
	960	9040	100	1.1	3.2
		8460	150		
		7800	200		
	1440	14040	150	3.0	6.8
		12960	300		
		11160	500		
6.3	720	9090	100	1.1	3.3
		7920	150		
		6210	200		
	960	12450	150	3.0	7.4
		11760	200		
		9840	300		
	1440	20020	150	5.5	11.8
		18970	300		
		17100	500		
7.1	720	13800	100	1.1	3.3
		12600	150		
		11400	200		
	960	17600	150	3.0	7.4
		16170	200		
		14700	300		
	1440	27000	200	7.5	15.6
		25400	300		
		24000	500		
8.0	720	19800	100	2.2	6.0
		18000	150		
		17200	200		
	960	26000	150	4.0	9.9
		25020	200		
		24000	300		
	1440	40000	200	11.0	22.0
		37800	300		
		35800	500		

Outline Structure Picture and Installation Dimension

七、DWT-III 系列风机外形结构及安装尺寸



尺寸 size / 机号 No.	A (mm)	B (mm)	E (mm)	C (mm)	G (mm)	H (mm)	nxM (d) xL	不含电机重量 weight without motor (kg)
2.8	690	370	500	600	30	615	4xM8x80	5
3.15								5
3.55								6
4.0	935	645	700	870	30	722	4xM10x95	14
4.5								18
5.0								22
5.6	1135	860	900	1160±5	30	935	8xM10x95	42
6.3								53
7.1	1380	900	970	1400±5	30	1135	12xM12x110	60
8.0								89

功率 Power (kW)	电机重量 Motor Weight (kg)			
	2880 (r/min)	1440 (r/min)	960 (r/min)	720 (r/min)
0.55	/	15	/	28
0.75	/	/	22	30
1.1	16	21	24	32
1.5	21	/	/	/
2.2	24	33	/	64
3	/	35	63	/
4	/	/	72	/
5.5	/	65	/	/
7.5	/	76	/	/
11	/	118	/	/



HTF-III-I、HTF-III-II and HTF-III-D Axial-flow Fireproof Smoke Exhaust Fan (Steel and Roof)
HTF-III-I、HTF-III-II、HTF-III-D轴流式消防排烟风机（钢制、屋顶型）

Products Features

一、产品特色

1.Good performance of heat-resistant:the testing of the fan meets the fireproof standards GA211-2009,based on the company's intramural quality system which is higher than the stardards. It can operate for morethan 45 minutes under 280° C.

2.Wide application range:can use the gear driving or multi-speed driving method according to the different request to reach the amphibious function for one fan (includes the normal ventilation and smoke exhaust under high temperature) .

3.High efficiency:the efficiency of some models are more than 85%,and also has the smooth efficiency curve,it's good for energy saving.

4.Easy for installation. The basic model for this series is axial-flow fan,it can be directly connected to the fan pipe.

5.Can be matched with smoke exhaust fireproof valve,the fan and the valve all have been proved by national fireproof standard.

6.According to different needs, steel hood, FRP hood and aluminum hood can be provided.

1. 耐高温性能优良：风机测试符合 GA211-2009 消防规范测试标准要求，建立高于该标准的企业内控保证体系，能在 280° C 高温条件下连续运行 45 分钟以上；

2. 适用范围广：可以根据高级民用建筑的不同要求，采用变速或多速驱动形式，以达到一机二用（即常用通排风和消防使用时高温排烟）的目的。

3. 效率高：经实测部分机号效率大于 85%, 并且有效率曲线平坦的特点，有利于节能；

4. 安装方便，占地较离心风机少：该风机基本型式为轴流风机，可直接与风管连接和壁式安装（安装形式可垂直或水平式）。

5. 可选配排烟防火阀，风机、排烟防火阀均已通过国家消防产品型式试验。

6. 根据不同的需要，可配钢制风帽、玻璃钢风帽、铝制风帽。



Technical Parameter Sheet

二、HTF-III-I 系列屋顶风机性能参数表

HTF-III-I Series Technical Parameter Sheet　HTF-III-I 系列屋顶风机性能参数表

机号 No.	气流进出口直径 Inlet/outlet diameter(mm)	风量 Air flow volume (m^3/h)	全压 Total pressure (Pa)	转速 Speed (r/min)	装机容量 Rated power (kW)	额定电流 Rated Current (A)	A声级 L_A dB (A)
3.5	360	4225	280	2900	0.75	1.8	≤78
		3840	360				
		3350	420				
4	410	5500	300	2900	1.5	3.4	≤79
		4800	380				
		3800	450				
4.5	460	8500	410	2900	2.2	4.9	≤84
		7800	550				
		6120	670				
5	510	9824	510	2900	3	6.3	≤86
		8861	610				
		6817	752				
5.5	560	15200	398	2900	4	8.1	≤86
		12000	592				
		10900	621				
6	610	16090	510	2900	5.5	11	≤86
		15102	610				
		13197	760				
6.5	660	21500	425	1450	5.5	11.8	≤88
		18000	620				
		15300	680				
7	710	24380	610	1450	7.5	15.6	≤88
		22439	655				
		18908	728				
8	810	31421	600	1450	7.5	15.6	≤89
		29172	661				
		26012	723				
9	910	33510	562	1450	11	22	≤90
		32297	668				
		27613	840				
10	1010	45679	630	1450	11	22	≤90
		40000	690				
		35000	770				
11	1112	51552	580	1450	15	30	≤92
		50128	647				
		48500	690				
12	1212	62763	624	980	18.5	39	≤93
		59300	680				
		57748	740				
13	1312	74708	600	980	18.5	39	≤94
		65370	710				
		56031	807				
14	1412	85511	612	980	22	45	≤95
		74111	718				
		63312	812				
15	1512	93800	623	980	22	45	≤95
		86115	710				
		76041	819				
16a	1612	120233	652	980	30	59	≤96
		109686	762				
		91210	912				
16b	1612	163095	645	980	55	105	≤99
		149686	762				
		128517	873				

HTF-III-II Series Technical Parameter Sheet　HTF-III-II 系列屋顶风机性能参数表

机号 No.	气流进出口直径 Inlet/outlet diameter(mm)	风量 Air flow volume (m^3/h)	全压 Total pressure (Pa)	转速 Speed (r/min)	装机容量 Rated power (kW)	额定电流 Rated Current (A)	A声级 L_A dB (A)
5	510	9824	510	2900	3/2.4	6.7/5.6	≤86
		8861	610				
		6817	752				
		4912	127	1450			≤75
		4431	153				
		3410	188				
5.5	560	15200	398	2900	4/3.3	8.6/7.4	≤86
		12000	592				
		10900	621				
		7600	100	1450			≤75
		6000	148				
		5450	155				
6	610	16090	510	2900	5.5/4.5	11.9/9.8	≤86
		15102	610				
		13197	760				
		8045	127	1450			≤75
		7551	153				
		6599	190				
6.5	660	21500	425	1450	5.5/4	12.3/9.8	≤88
		18000	620				
		15300	680				
		14235	187	960			≤80
		11918	272				
		10130	298				
7	710	24380	610	1450	8/6.5	17.4/15.1	≤88
		22439	655				
		18908	728				
		16141	267	960			≤80
		14865	287				
		12518	319				
8	810	31421	600	1450	8/6.5	17.4/15.1	≤89
		29172	661				
		26012	723				
		20800	263	960			≤80
		19314	290				
		17222	317				
9	910	33510	562	1450	11/9	23.4/20.6	≤90
		32297	668				
		27513	840				
		22186	246	960			≤81
		21383	293				
		18216	368				
10	1010	45679	630	1450	11/9	23.4/20.6	≤90
		40000	690				
		35000	770				
		30255	276	960			≤80
		26483	302				
		23172	338				
11	1112	51552	580	1450	16/13	33.6/29.4	≤92
		50128	647				
		48500	690				
		34131	254	960			≤83
		33188	284				
		32110	302				
12	1212	62763	624	960	17/8	34.7/20.1	≤93
		59300	680				
		55651	740				
		47072	351	720			≤83.5
		44475	383				
		36845	416				
13	1312	74708	600	960	17/8	34.7/20.1	≤94
		65370	710				
		56031	807				
		56031	338	720			≤84.5
		49027	399				
		42023	454				

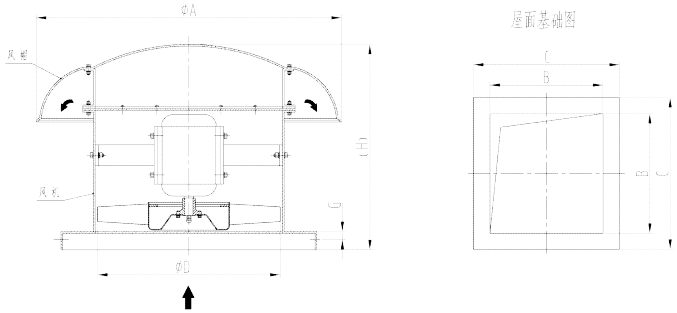
机号 No.	气流进出口直径 Inlet/outlet diameter(mm)	风量 Air flow volume (m^3/h)	全压 Total pressure (Pa)	转速 Speed (r/min)	装机容量 Rated power (kW)	额定电流 Rated Current (A)	A声级 L_A dB (A)
14	1412	85511	612	960	22/11	49/29	≤95
		74111	718				
		63312	812				
		64133	344	720			≤85
		55583	403				
		47484	458				
15	1512	93800	623	960	22/11	49/29	≤95
		86115	710				
		76041	819				
		70350	350	720			≤85
		64586	399				
		57031	461				
16	1612	120233	652	960	30/15	58.5/33.1	≤96
		109686	762				
		91210	912				
		90175	366	720			≤86
		82265	428				
		68408	513				

HTF-III-D Series Technical Parameter Sheet　HTF-III-D 系列屋顶风机性能参数表

机号 No.	叶轮直径 Impeller diameter (mm)	风量 Air flow volume (m^3/h)	全压 Total pressure (Pa)	转速 Speed (r/min)	装机容量 Rated power (kW)	额定电流 Rated Current (A)	A声级 L_A dB (A)
5D	500	5220	140	1450	1.1	2.9	≤78
		4860	210				
		3950	230				
5.5D	550	7250	115	1450	1.5	3.7	≤78
		6840	220				
		5420	230				
6D	600	11000	152	1450	1.5	3.7	≤79
		9120	250				
		7840	300				
6.5D	650	14580	190	980	2.2	5.6	≤82
		12690	280				
		10820	320				
7D	700	17240	270	980	3	7.4	≤84
		15210	310				
		10820	350				
8D	800	23680	230	980	3	7.4	≤85
		20540	310				
		16840	350				
9D	900	28400	250	980	4	9.9	≤86
		25420	320				
		21450	350				
10D	1000	35210	210	980	5.5	12.9	≤87
		30820	320				
		25460	350				
11D	1100	40620	210	980	5.5	12.9	≤88
		34100	330				
		30450	350				
12D	1200	53420	320	720	11	25	≤90
		51480	350				
		43500	400				
13D	1300	58540	330	720	11	25	≤92
		53680	400				
		50410	450				
14D	1400	64133	344	720	11	25	≤85
		55583	403				
		47484	458				
15D	1500	72860	350	720	15	34	≤93
		68750	420				
		58420	480				
16D	1600	90175	366	720	15	34	≤86
		82265	428				
		68408	513				

Outline structure picture and installation dimension　HTF-III-I 系列屋顶风机外形结构图及安装尺寸

型号 Model	ΦA (mm)	ΦD (mm)	B (mm)	G (mm)	C (mm)	H (mm)	重量 weight (kg)
3.5	Φ650	Φ360	390	40	560	850	80
4	Φ650	Φ410	440	40	600	850	89
4.5	Φ900	Φ460	490	40	650	930	102
5	Φ900	Φ510	540	50	700	970	116
5.5	Φ1000	Φ560	590	50	750	1010	120
6	Φ1000	Φ610	640	50	800	1060	158
6.5	Φ1200	Φ660	690	50	850	1120	187
7	Φ1200	Φ710	760	60	950	1180	227
8	Φ1340	Φ810	860	60	1050	1250	234
9	Φ1650	Φ910	960	60	1150	1420	274
10	Φ1650	Φ1010	1060	60	1250	1470	319
11	Φ1650	Φ1112	1180	60	1400	1510	402
12	Φ1850	Φ1212	1280	60	1500	1760	492
13	Φ2000	Φ1312	1380	60	1600	2150	528
14	Φ2000	Φ1412	1480	60	1750	2150	570
15	Φ2500	Φ1512	1580	60	1850	2150	645
16	Φ2500	Φ1612	1680	60	1950	2340	720



Outline structure picture and installation dimension　HTF-III-II 系列屋顶风机外形结构及安装尺寸

型号 Model	ΦA (mm)	ΦD (mm)	B (mm)	G (mm)	C (mm)	H (mm)	重量 weight (kg)
5	Φ900	Φ510	540	50	700	970	115
5.5	Φ1000	Φ560	590	50	750	1010	120
6	Φ1000	Φ610	640	50	800	1060	154
6.5	Φ1200	Φ660	690	50	850	1140	190
7	Φ1200	Φ710	760	60	950	1250	252
8	Φ1340	Φ810	860	60	1050	1320	258
9	Φ1650	Φ910	960	60	1150	1450	282
10	Φ1650	Φ1010	1060	60	1250	1500	325
11	Φ1650	Φ1112	1180	60	1400	1740	454
12	Φ1850	Φ1212	1280	60	1500	1740	482
13	Φ2000	Φ1312	1380	60	1600	2170	516
14	Φ2000	Φ1412	1480	60	1750	2170	598
15	Φ2500	Φ1512	1580	60	1850	2230	670
16	Φ2500	Φ1612	1680	60	1950	2450	810

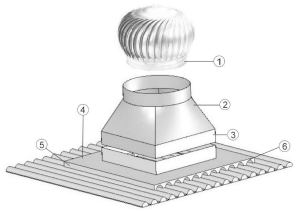
Outline structure picture and installation dimension　HTF-III-D 系列屋顶风机外形结构及安装尺寸

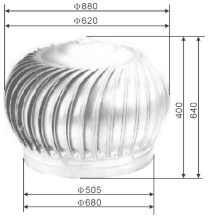
型号 Model	ΦA (mm)	ΦD (mm)	B (mm)	G (mm)	C (mm)	H (mm)	重量 weight (kg)
5	Φ900	Φ510	540	50	700	680	103
5.5	Φ1000	Φ560	590	50	750	700	105
6	Φ1000	Φ610	640	50	800	700	119
6.5	Φ1200	Φ660	690	50	850	820	162
7	Φ1200	Φ710	760	60	950	860	205
8	Φ1340	Φ810	860	60	1050	860	212
9	Φ1650	Φ910	960	60	1150	900	219
10	Φ1650	Φ1010	1060	60	1250	900	273
11	Φ1650	Φ1112	1180	60	1400	900	330
12	Φ1850	Φ1212	1280	60	1500	1240	430
13	Φ2000	Φ1312	1380	60	1600	1240	466
14	Φ2000	Φ1412	1480	60	1750	1240	483
15	Φ2500	Φ1512	1580	60	1850	1300	569
16	Φ2500	Φ1612	1680	60	1950	1300	667

AWT Series Turbo Aerator (Stainless Steel)

AWT系列涡轮排气抽风机（不锈钢制）

General Information
一、概述





Facility installation drawing　简易安装图

1、Shuangyang turbo exhausting fan.
2、The base is pressurized by waterproof glue mud,designed according to workshop's pitch avoid leaking.
3、Up fold the armor plate edge.
4、Down fold two sides of soleplate,it stride meets the wave crest of the armor plate in room surface.
5、The top of the soleplate extend into fastigium cover board.
6、Down fold the bottom of soleplate to connect the armor plate in room surface.
All kinds of supporting shapes are designed according to workshop's pitch.

1、双阳涡轮排气抽风机。
2、底座用防水胶泥密封，依厂房屋顶斜度设计、防漏效果好。
3、开孔的屋面钢板板缘向上折。
4、底板的两侧向下折，跨过屋面钢板的波峰。
5、底板上端延伸入屋脊盖板内。
6、底板的下端往下折与屋面钢板相接。
注：各式支承形状，完全依据厂房屋顶斜度而设计。

The Needed Air Exchanging Times
二、建筑所需换气次数

Building type建筑种类	次 / 时 Time/hr	建筑种类 Building type	次 / 时 Time/hr
Machine shop机械工厂	4~15	Textile shop纺织工厂	3~7
Forging shop锻造工厂	10~30	dyeing shop染色工厂	10~40
Casting shop铸造工厂	10~30	Repair shop修理工厂	10~20
Electroplating shop电镀工厂	12~20	Cleaning shop洗濯工厂	10~30
Glass fabrication shop玻璃工厂	20~40	Engine room引擎室	15~40
Drying shop干燥工厂	10~20	Generator room发电机室	10~30
Food shop食品工厂	3~8	Generator room发电器室	10~30
Woodworking shop木工工厂	3~8	Boiler room锅炉房	15~30
Paper-making shop制纸工厂	8~15	Turbine room透平机房	10~20
Pump room泵室	5~10	Chemical lab化学实验室	6~15
Library图书馆	6~10	Pantry食品室	5~10
Church教会	6~10	Reception room接待室	4~12
Classroom 教室	3~8	Vessel room船室	6
Office 办公室	2~5	Washing room洗手间	5~10
Gathering place集合所	5~10	Gymnasium 体育馆	4~15
Warehouse 仓库	3~6	Public toilet公共厕所	5~15
Garage 车库	4~10	Smoking room抽烟室	6~12
Ward病房	2~4	Dining room餐厅	3~8
Kitchen 橱房	7~15	Hotel kitchen旅社厨房	5~10
Rest room休息室	10	Hotel restaurant旅社餐厅	2~6
Sterilizing room消毒室	8~15		

AWT-150/200/250 turbine ventilators　AWT-150/200/250 型涡轮排气抽风机

Function:looking torborent are in villas and public buildings chimney cannel and outlet.

Characteristic:good alluminiun alloy turbine head revoie easily perpose-made bearing black make it lubricate with no resistance for a long time and the base make it easy to maintian.

Material:seainless steel.

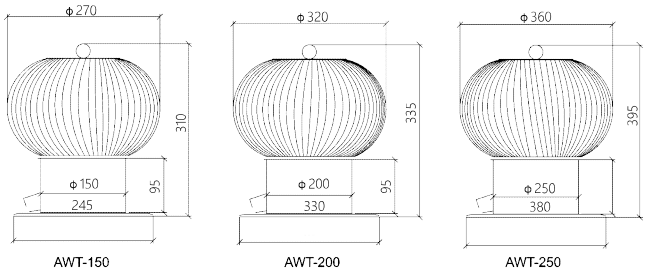
Weight: 1. 4/1. 8/2. 3kg.

用途：造型别致的小型排气抽风机使用于别墅及高档住宅的烟道及排气口。
特点：优质的铝合金涡轮头，转运轻便灵活；
特制的轴承座，保证长期润滑，无阻力；
底座的设计，使其维修方便。
材质：不锈钢。
重量：1. 4/1. 8/2. 3kg.



Tuebine ventilators air volume estimates　涡轮排气抽风机风量估算值

风速 Wind speed (km/h)			9.6			12.8		
温差 Temperature difference (℃)			5	10	15	5	10	15
型号 Type	开孔尺寸 Opening size (mm)	厂房高度 Plant height (m)	每小时排气量 Displacement per hour(m^3/h)					
150	150	9	705	790	850	880	960	1040
		12	780	825	900	910	1020	1080
200	200	9	940	1060	1140	1180	1280	1390
		12	1040	1100	1190	1225	1360	1440
250	250	9	1175	1320	1420	1470	1610	1740
		12	1300	1370	1480	1520	1690	1810



AWT-150　AWT-200　AWT-250

AWT-300 turbine ventilators　AWT-300 型涡轮排气抽风机

Function:model 300mm turbine ventilators are used in air inlet of villasand resident building.

Characteristic:head bodies,langtern durable special bracket safe and conve-nient economical price primary of chimney.

Material:seainless steel.

Weight: 3kg

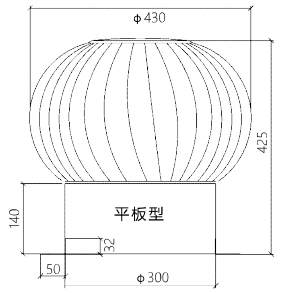
用途 坚固耐用的 300 型排气抽风机适用于须排风量大的别墅、住宅通风口。
特点：坚固的机身，经久耐用；
独特的固定支架，安全方便；
经济的价格，烟道的首选。
材质：不锈钢。
重量：3kg.



Tuebine ventilators air volume estimates　涡轮排气抽风机风量估算值

风速 Wind speed (km/h)			9.6			12.8		
温差 Temperature difference (℃)			5	10	15	5	10	15
型号 Type	开孔尺寸 Opening size (mm)	厂房高度 Plant height (m)	每小时排气量 Displacement per hour(m^3/h)					
300	300	9	1410	1580	1710	1780	1920	2090
		12	1570	1670	1820	1850	2040	2160

Note:size after folding 415*415mm　注：折后边尺寸：415*415mm



AWT-500 turbine ventilators AWT-500 型涡轮排气抽风机

Function:model 500mm turbine ventilators are used in model 500mm turbin eventilators are the first choice of common pindustrial piant and warehouse.
Characteristic:perfect ventilating effect easy and to install protect environment save energy. Material:seainless steel.
Weight: 8. 2kg.

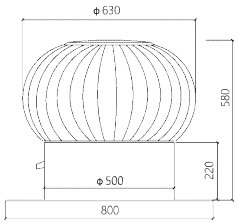
用途：体小方便的 500 型排气抽风机是一般工业厂房及仓库通风的首选。
特点：高效的通风效果；
安装方便、快捷；
环保的节能产品。
材质：不锈钢。
重量：8. 2kg.

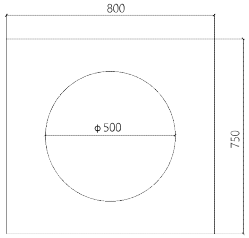


Tuebine ventilators air volume estimates 涡轮排气抽风机风量估算值

风速 Wind speed (km/h)			9.6			12.8		
温差 Temperature difference (℃)			5	10	15	5	10	15
型号 Type	开孔尺寸 Opening size (mm)	厂房高度 Plant height (m)	每小时排气量 Displacement per hour(m^3/h)					
500	500	9	2220	2450	2630	2780	3080	3400
		12	2350	2630	2850	2900	3260	3650

Note:size after folding 665*665mm 注：折边后尺寸：665*665mm





平板型

AWT-600 turbine ventilators AWT-600 型涡轮排气抽风机

Function:model 600mm turbine ventilators are used in findustrial plant.
Characteristic:low maintaince cast most scientific design first choice of goodproducts.
Material:seainless steel.
Weight: 9. 7kg.

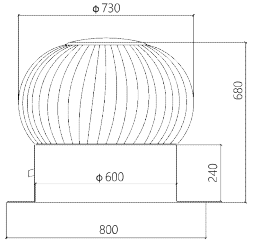
用途：互补性强的 600 型排气抽风机适用于工业厂房。
特点：低成本的维护；
最科学的设计；
好产品的首选。
材质：不锈钢。
重量：9. 7kg.

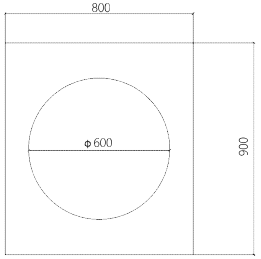


Tuebine ventilators air volume estimates 涡轮排气抽风机风量估算值

风速 Wind speed (km/h)			9.6			12.8		
温差 Temperature difference (℃)			5	10	15	5	10	15
型号 Type	开孔尺寸 Opening size (mm)	厂房高度 Plant height (m)	每小时排气量 Displacement per hour(m^3/h)					
600	600	9	2410	2500	2650	3250	3870	4200
		12	2520	2710	2820	3590	4180	4510

Note:size after folding 715*715mm 注：折边后尺寸：715*715mm





平板型

AWT-680 turbine ventilators AWT-680 型涡轮排气抽风机

Function:industrial plant.
Characteristic:extended of model 880mm tillup between 600mm and 8800mm turbine ventilators and its cheaper than 880mm.
Material:seainless steel.
Weight: 14. 3kg.

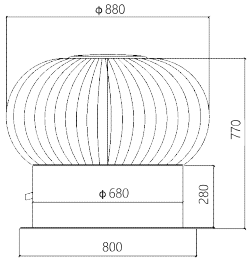
用途：工业厂房
特点：880 型产品的延伸，填补空白；
相对于 880 型的产品，水平便于调节。
材质：不锈钢。
重量：14. 3kg.



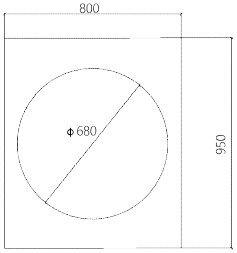
Tuebine ventilators air volume estimates 涡轮排气抽风机风量估算值

风速 Wind speed (km/h)			9.6			12.8		
温差 Temperature difference (℃)			5	10	15	5	10	15
型号 Type	开孔尺寸 Opening size (mm)	厂房高度 Plant height (m)	每小时排气量 Displacement per hour(m^3/h)					
680	680	9	2610	3120	3710	3630	4230	4760
		12	3720	3820	3760	3830	4620	5250

Note:size after folding 715*715mm 注：折边后尺寸：715*715mm



平板型



AWT-880 turbine ventilators AWT-880 型涡轮排气抽风机

Function:industrial plant.
Characteristic:good wind resistance performance biggest air volume exhaust rate the extemal diameter is 750mm-1200mm easy to install.
Material:seainless steel.
Weight: 16. 8kg.

用途：工业厂房。
特点：抗风力强；
排风量大；
方转圆的中座可以定制 750mm-1200mm 外径，方便安装。
材质：不锈钢。
重量：16.8kg.



Tuebine ventilators air volume estimates 涡轮排气抽风机风量估算值

风速 Wind speed (km/h)			9.6			12.8		
温差 Temperature difference (℃)			5	10	15	5	10	15
型号 Type	开孔尺寸 Opening size (mm)	厂房高度 Plant height (m)	每小时排气量 Displacement per hour(m^3/h)					
880	850×850	9	3710	4220	4620	4640	5150	5550
		12	3910	4620	4950	4840	5430	5890

Note:size after folding 915*915mm 注：折边后尺寸：915*915mm

