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首批荣获国家质检总局颁发全国工业产品生产许可证
First got the refrigeration equipment
production permit issued by National Quality Testing Bureau

FANS
通风机系列
C1

Fans Series Product

通风机系列产品



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We knew the world before, the world knows us now.



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Dezhou Yatai Glass Fiber Reinforced Plastic Equipment Co.,Ltd

Dezhou Yatai Environmental Protection Facilities Engineering Co.,Ltd

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DEZHOU YATAI GROUP

CHINA

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亚太的品牌理念

全力推动创新科技的应用
致力于人类生活品质的提升、让科技引领生活
创世界满意品牌

THE CONCEPT OF YATAI BRAND

Promotes,with full strength,the application of innovative technology.Strives for the extension of living quality for human being,let the science and technology lead the new life and creates world satisfactory brand.

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德州亚太集团是国内大型中央空调制冷系统集成供应商。

集多年潜心研究，博采众长自成体系，打造出一流的中央空调全套设备和众多精品工程。国内以中央电视台新址、酒泉卫星发射中心、国家质检总局、三峡工程及近二十个北京奥运场馆等为代表，国外以巴基斯坦乌奇电厂、柬埔寨金边市大都会广场、印度帕帕多拉工程为代表的重点项目，采用了亚太中央空调设备，长期稳定，节能环保，获得了广泛的赞誉。

ISO9001、14001、OHSAS18001、3C、UL、CE、CRAA 等一系列认证；主机列入节能产品政府采购清单、数十项国家专利、国家级高新技术企业、中国驰名商标，充分标明了亚太集团的管理水平和产品水平。

与荷兰阿波罗合资，以欧洲标准制造的洁净设备全部返销发达国家、中央空调设备相继进入十几个国家和地区，展示亚太集团已经步出国门，与国际接轨。

植根齐鲁大地，秉持“以人为本”的经营理念，崇尚“以德待人”的儒家文化，亚太集团愿与您共同开创明天的辉煌。

Dezhou Yatai Group is a supplier of large central air conditioning and refrigeration system in China.

Yatai has developed whole set of advanced central air conditioner and lots of wonderful projects based on long-term research and features of the others. Many famous projects adopted Yatai central air conditioners that run smoothly, save energy, protect environment and won good reputation widely like the New CCTV, the Jiuquan Satellite Launching Center, the General Bureau of National Quality Inspection, Three-gorge Engineering Project, over 20 Beijing Olympic Stadiums and others in China; the UCH Power Plant in Pakistan, the Phnom Penh Capital Squire in Cambodia, the Priyadarshini Jurala Project in India and others across the world.

Yatai has certified by ISO9001, 14001, OHSAS18001, 3C, UL, CE, CRAA and others; its chiller names have been put on the government purchasing list as energy saving products and obtained dozens of national patents, National High-technology Enterprise and Chinese Famous Trademark, which show the managements and product qualities of Yatai Group.

The filtering equipment made by the joint venture, co-invested with Dutch Afpro Company, according to the European Standards air exported fully to the developed countries; the central air conditioners have exported to over 10 countries or regions, which show that Yatai Group has stepped into oversea marketds and been in the line with the international.

Located at Shandong Province, insisting on business idea of "humanism" and advocating the Confucianism of "getting along whth people by morality" Yatai Group wishes to create a brilliant future with you.



中国德州亚太集团
CHINA DEZHOU YATAI GROUP



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Developing the omni-directional products by the first-class technology

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Using high-quality goods Making high-quality goods

The modernized equipment produced by world famous manufacturers And the high content leading in the same profession

Are Yatai's guarantee of maintaining his competitive advantage all the time

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Honorable Qualification



FANS SERIES 通风机系列

Fans series product 通风机系列产品

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Fans series product

通风机系列产品

FANS SERIES
通风机系列





YTPY 系列高温消防排烟轴流风机概述

YTPY series of high temperature fire and smoke exhaust fan

YTPY 系列高温消防风机由我公司按照民用建筑设计防火规范要求，结合国内外同类产品而开发的新产品。经国家固定灭火和耐火构件质量监督检验中心检验合格。本产品相比同类产品具有以下优点：

- ◆ 采用三元扭曲叶片和前导叶，使气体流动符合空间流动要求。
- ◆ 经过多次实验，使产品在保证性能前提下噪声更低。
- ◆ 采用大宽度圆弧叶片，使产品获得大压力系数。
- ◆ 屋顶消防风机的防雨结构获得国家专利，可有效防止雨水渗入。
- ◆ 参考我公司原专利产品 YTPY 消防排烟风机，此新产品采用电机冷却与主气流双通道在风机叶轮进口处混合排出。即冷却了电机，又使被加热的气体从主风道流走，改善了风道外环境。

The YTPY series high-temperature firefighting fans are newly developed by our company in accordance with the fire prevention design code for civil buildings, integrating features from similar domestic and international products. They have been tested and approved by the National Fixed Fire Extinguishing and Fire-Resistant Component Quality Supervision and Inspection Center. Compared with similar products, this product possesses the following advantages:

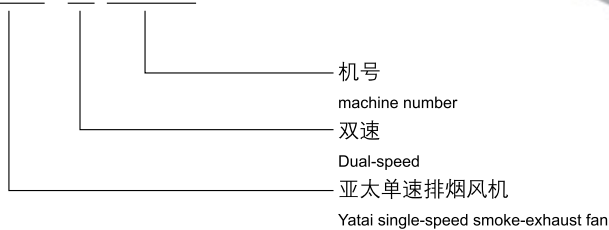
- Utilizes tertiary twisted blades combined with leading vanes to ensure gas flow meets spatial flow requirements.
- Through extensive testing, the product achieves reduced noise levels while maintaining performance.
- Features large-width arc blades, enabling the product to attain a higher pressure coefficient.
- The roof firefighting fan's rainproof structure obtained the national patent, effectively preventing rainwater ingress.
- Based on our company's original patented YTPY firefighting smoke-exhaust fan, this new product features a dual-channel design combining motor cooling and main airflow discharge at the fan impeller inlet. This design cools the motor while discharging the heated gas through the main air duct, thereby improving the external environment of the duct.



风机代号说明：

Code description of the fan:

YTPY-I、II、No机号

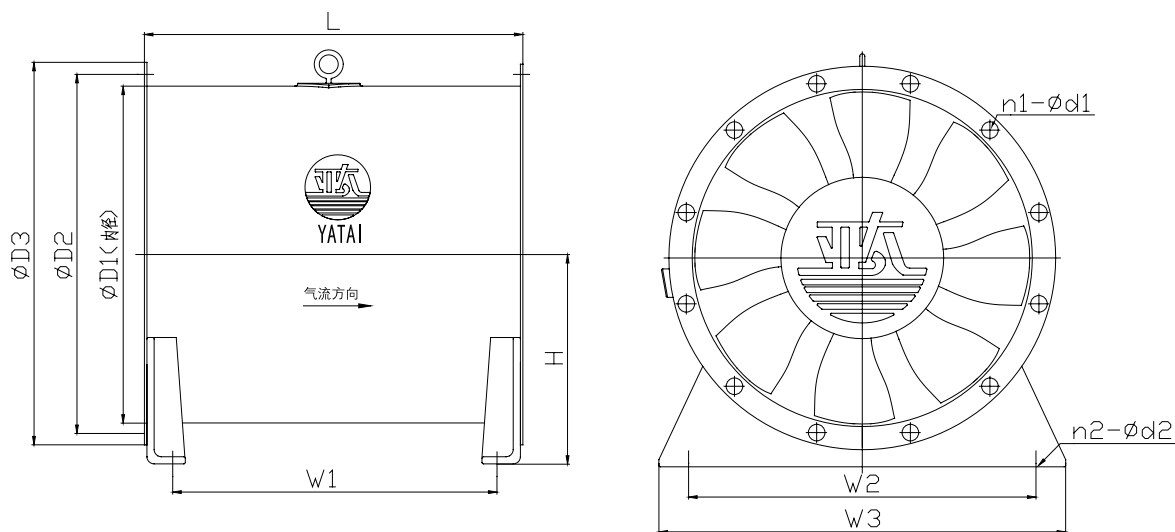


示例：YTPY-I №5 代表亚太单速轴流式排烟风机；YTPY-II №5 代表亚太双速轴流式排烟风机。

Example: YTPY-I №5 denotes Yatai single-speed axial smoke-exhaust fan; YTPY-II №5 denotes Yatai dual-speed axial smoke-exhaust fan.

风机外形尺寸-YTPY

Fan overall dimensions - YTPY



机号 Serial number	D1	D2	D3	L	H	W1	W2	W3	n1- $\varnothing d1$	n2- $\varnothing d2$
4#	405	440	465	480	260	434	220	320	8- $\varnothing 10$	4- $\varnothing 15$
				480		434	220	320		
				460		414	220	320		
4.5#	455	490	515	500	290	454	260	360	8- $\varnothing 10$	4- $\varnothing 15$
				500		454	260	360		
				480		434	260	360		
5#	505	540	565	500	310	454	300	400	8- $\varnothing 12$	4- $\varnothing 15$
				500		454	300	400		
				500		454	300	400		
5.5#	555	590	615	560	340	514	340	440	8- $\varnothing 12$	4- $\varnothing 15$
				560		514	340	440		
				500		454	340	440		
6#	605	650	685	650	370	604	380	480	12- $\varnothing 12$	4- $\varnothing 15$
				530		484	380	480		
				500		454	380	480		
6.5#	655	700	735	800	410	754	420	520	12- $\varnothing 12$	4- $\varnothing 15$
				800		754	420	520		
				650		604	420	520		
				600		554	420	520		
				580		534	420	520		



机号 Serial number	D1	D2	D3	L	H	W1	W2	W3	n1-Φd1	n2-Φd2
7#	705	750	785	830	430	778	460	560	12-φ12	4-φ15
				730		678	460	560		
				730		678	460	560		
8#	805	850	885	850	480	798	540	640	12-φ12	4-φ15
				850		798	540	640		
				750		698	540	640		
				750		698	540	640		
9#	905	960	1005	950	530	898	620	720	16-φ15	4-φ15
				900		848	620	720		
				900		848	620	720		
				900		848	620	720		
10#	1005	1060	1105	1000	580	948	700	800	16-φ15	4-φ15
				900		848	700	800		
				900		848	700	800		
				1000		948	700	800		
11#	1105	1160	1205	1050	630	998	780	880	16-φ15	4-φ15
				1050		998	780	880		
				900		848	780	880		
				900		848	780	880		
12#	1205	1260	1305	1050	720	998	860	960	20-φ15	4-φ15
				950		898	860	960		
12.5#	1255	1310	1355	1150	740	1098	900	1000	20-φ15	4-φ15
				1100		1048	900	1000		
				1050		998	900	1000		
				950		898	900	1000		
13#	1305	1365	1405	1300	770	1248	940	1040	20-φ15	4-φ15
				1100		1048	940	1040		
				1050		998	940	1040		
				1150		1098	940	1040		
14#	1405	1465	1505	1150	810	1098	1020	1120	20-φ15	4-φ15
				1150		1098	1020	1120		
				1200		1148	1020	1120		

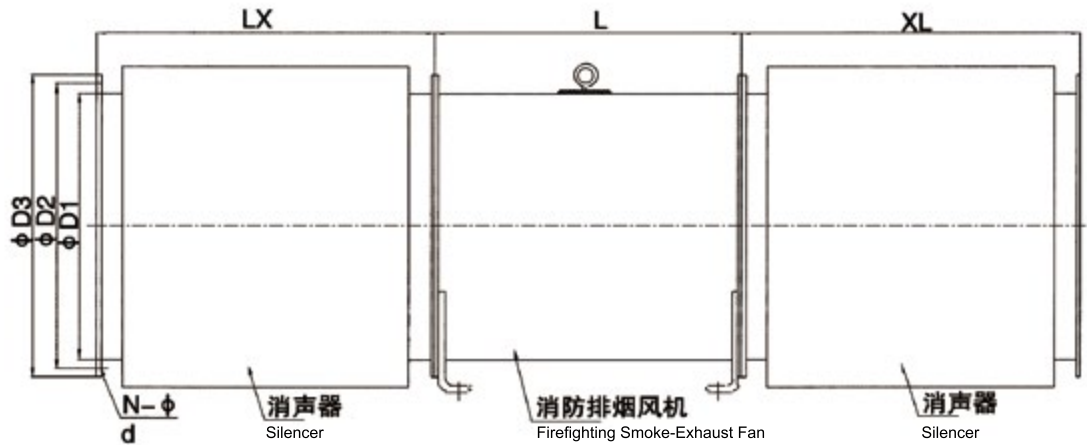
注：本系列风机一般不在法兰上打孔，打孔需订货时注明，敬请客户注意。

Note: Fans in this series generally do not have holes punched on the flanges. If hole punching is required, please specify when ordering. Customers are kindly advised to take note.



风机外形尺寸-YTPY-X

Fan overall dimensions – YTPY-X



机号 Serial number	4	4.5	5	5.5	6	6.3	7
D1	405	455	505	555	605	635	705
D2	440	490	540	590	650	680	750
D3	465	515	565	615	685	715	785
N- ϕd	8- $\phi 10$	8- $\phi 10$	8- $\phi 12$	8- $\phi 12$	12- $\phi 12$	12- $\phi 12$	12- $\phi 12$
L	消防排烟风机长度尺寸、地脚螺栓孔尺寸不变。 The length and anchor bolt hole dimensions of the firefighting smoke-exhaust fans remain unchanged.						
LX	600、900、1200、1500、2000						

机号 Serial number	8	9	10	11.2	12.5	13	14
D1	805	905	1005	1125	1255	1306	1406
D2	850	950	1050	1180	1310	1365	1465
D3	885	1005	1105	1125	1360	1410	1510
N- ϕd	16- $\phi 12$	16- $\phi 16$	16- $\phi 16$	20- $\phi 16$	20- $\phi 16$	20- $\phi 16$	20- $\phi 16$
L	消防排烟风机长度尺寸、地脚螺栓孔尺寸不变。 The length and anchor bolt hole dimensions of the firefighting smoke-exhaust fans remain unchanged.						
LX	600、900、1200、1500、2000						

注：用户也可根据安装现场的实际情况，自定义消声器长度 LX 尺寸。

Note: Users may also customize the silencer length (LX dimension) based on actual installation site conditions.



单速风机性能参数

Performance parameters of single speed fan

机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m ³ /h Volume	全压 Pa total pressure	噪声 dB(A) Noise
4#	2900	1.5	1	4078	696	79
			2	4816	611	
			3	5112	580	
			4	5600	530	
			5	6098	407	
4#	2900	2.2	1	4558	730	81
			2	5398	607	
			3	5646	595	
			4	5995	588	
			5	6321	525	
4#	1450	0.55	1	4423	212	71
			2	4688	190	
			3	4980	185	
			4	5100	179	
			5	5234	170	
4.5#	2900	2.2	1	3348	883	82
			2	3853	851	
			3	4628	844	
			4	6557	723	
			5	7472	530	
4.5#	1450	1.1	1	5943	262	73
			2	6297	241	
			3	6675	232	
			4	6820	221	
			5	7091	214	
4.5#	1450	0.75	1	4866	260	72
			2	5212	246	
			3	5743	211	
			4	6330	198	
			5	6691	171	
5#	2900	3	1	4523	955	83
			2	6122	923	
			3	6923	910	
			4	8995	893	
			5	9513	692	
5#	1450	1.5	1	8153	347	75
			2	8600	300	
			3	9157	280	
			4	9727	289	
			5	10223	265	
5#	1450	1.1	1	6300	336	74
			2	6675	321	
			3	7878	260	
			4	8684	240	
			5	9178	211	
5.5#	2900	4	1	8995	893	86
			2	9008	688	
			3	9522	633	
			4	9856	581	
			5	10253	533	





机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m ³ /h Volume	全压 Pa total pressure	噪声 dB(A) Noise
5.5#	1450	2.2	1	10851	421	77
			2	11498	370	
			3	11983	360	
			4	12946	345	
			5	13607	321	
5.5#	1450	1.5	1	7830	372	76
			2	8522	341	
			3	9383	290	
			4	9800	271	
			5	10832	211	
6#	2900	5.5	1	13023	721	86
			2	14302	680	
			3	14923	651	
			4	15102	603	
			5	15653	544	
6#	1450	3	1	14088	451	78
			2	14927	430	
			3	15380	421	
			4	16808	411	
			5	17022	376	
6#	1450	1.5	1	6883	366	77
			2	7361	355	
			3	8126	340	
			4	9449	297	
			5	10291	229	
6.3#	1450	2.2	1	7967	432	77
			2	8513	399	
			3	9407	352	
			4	10940	295	
			5	11913	251	
6.3#	960	1.5	1	10797	242	72
			2	12127	217	
			3	12882	201	
			4	13000	190	
			5	13539	185	
6.5#	2900	15	1	8931	1535	89
			2	13947	1461	
			3	17489	1353	
			4	19761	1322	
			5	23510	1300	
6.5#	2900	11	1	19000	1270	89
			2	21351	1211	
			3	22581	1122	
			4	23616	1063	
			5	25010	1000	
6.5#	1450	5.5	1	17710	680	88
			2	18840	626	
			3	19780	551	
			4	21919	504	
			5	22756	485	



机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m ³ /h Volume	全压 Pa total pressure	噪声 dB(A) Noise
6.5#	1450	4	1	15161	562	80
			2	17760	480	
			3	19609	413	
			4	21093	380	
			5	21773	362	
6.5#	960	1.5	1	11855	251	73
			2	12600	210	
			3	13344	203	
			4	14262	190	
			5	14832	176	
7#	1450	11	1	13550	951	89
			2	16880	823	
			3	22439	750	
			4	25103	738	
			5	27000	700	
7#	1450	7.5	1	20156	736	82
			2	23343	701	
			3	24730	660	
			4	26218	628	
			5	27200	580	
7#	1450	5.5	1	17426	665	82
			2	19262	644	
			3	21000	510	
			4	22550	490	
			5	23299	442	
8#	1450	15	1	29287	954	87
			2	31023	929	
			3	33208	902	
			4	34846	835	
			5	37202	738	
8#	1450	11	1	30892	800	86
			2	32269	740	
			3	34000	650	
			4	35531	580	
			5	37105	533	
8#	1450	7.5	1	19102	745	83
			2	23993	700	
			3	27200	580	
			4	28610	520	
			5	30630	380	
8#	1450	5.5	1	16313	696	83
			2	19262	661	
			3	22557	583	
			4	23269	506	
			5	24393	407	
9#	1450	18.5	1	36647	1056	91
			2	39213	971	
			3	42517	948	
			4	47156	790	
			5	51100	621	
9#	1450	11	1	23226	881	89
			2	27426	836	
			3	31891	667	
			4	32000	606	
			5	34731	515	





机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m ³ /h Volume	全压 Pa total pressure	噪声 dB(A) Noise
9#	1450	15	1	33000	750	89
			2	35813	732	
			3	40254	704	
			4	43199	688	
			5	45963	641	
9#	960	7.5	1	29880	509	83
			2	31479	493	
			3	35356	442	
			4	37557	410	
			5	39472	377	
10#	1450	22	1	44021	1255	92
			2	46108	1220	
			3	49400	1190	
			4	51112	981	
			5	53369	880	
10#	1450	15	1	35411	851	90
			2	36513	795	
			3	38900	722	
			4	43510	641	
			5	48400	540	
10#	1450	11	1	34798	750	90
			2	37460	716	
			3	40000	690	
			4	42950	650	
			5	45556	615	
10#	1450	18.5	1	25223	1149	91
			2	28120	1102	
			3	32337	1080	
			4	36310	1000	
			5	38676	933	
11#	960	30	1	46921	1283	91
			2	46900	1270	
			3	51501	1255	
			4	53100	922	
			5	57995	846	
11#	960	22	1	50246	761	90
			2	51223	730	
			3	54136	709	
			4	60666	644	
			5	61265	576	
11#	960	18.5	1	41560	707	88
			2	52780	677	
			3	55197	622	
			4	60671	592	
			5	55312	481	
11#	1450	15	1	39871	693	92
			2	42811	660	
			3	45622	609	
			4	48612	516	
			5	50112	461	
11#	960	7.5	1	28066	477	85
			2	31292	460	
			3	34133	409	
			4	36530	337	
			5	38115	281	



机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m ³ /h Volume	全压 Pa total pressure	噪声 dB(A) Noise
12#	960	18.5	1	38430	755	92
			2	44521	726	
			3	49223	646	
			4	55216	516	
			5	59644	431	
12#	960	15	1	31896	599	91
			2	37651	522	
			3	44360	455	
			4	50220	371	
			5	57652	355	
12.5#	960	37	1	69232	826	93
			2	76735	807	
			3	81498	791	
			4	89362	722	
			5	94725	651	
12.5#	960	30	1	67700	910	92
			2	78500	850	
			3	80000	700	
			4	87118	700	
			5	94359	559	
12.5#	960	18.5	1	33562	812	92
			2	38533	791	
			3	46040	726	
			4	54522	655	
			5	60563	630	
12.5#	960	15	1	32835	681	91
			2	41177	622	
			3	46522	565	
			4	56770	491	
			5	61000	450	
13#	960	45	1	87547	1029	93
			2	94869	1030	
			3	100520	981	
			4	106553	923	
			5	113185	857	
13#	960	30	1	79894	930	91
			2	84833	865	
			3	89548	805	
			4	94072	730	
			5	105654	500	
13#	960	18.5	1	51651	787	90
			2	54724	755	
			3	59201	710	
			4	63632	610	
			5	66245	541	
13#	960	37	1	56318	1422	94
			2	62553	1301	
			3	70120	1200	
			4	79000	1100	
			5	88761	973	





机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m ³ /h Volume	全压 Pa total pressure	噪声 dB(A) Noise
14#	960	22	1	46131	887	91
			2	51583	888	
			3	57846	827	
			4	65361	755	
			5	71000	670	
14#	960	30	1	64687	979	94
			2	76608	906	
			3	80231	864	
			4	85090	790	
			5	89720	704	
14#	960	37	1	72361	1078	95
			2	82870	1000	
			3	87969	956	
			4	92824	852	
			5	102460	766	
15#	960	22	1	75300	810	95
			2	76045	750	
			3	86000	700	
			4	89360	675	
			5	90650	630	
15#	960	37	1	79100	890	96
			2	87890	830	
			3	97660	751	
			4	10450	732	
			5	111330	685	
15#	960	45	1	82600	1210	96
			2	85355	1138	
			3	90450	1100	
			4	96400	1050	
			5	105500	980	
16#	960	55	1	87532	1310	97
			2	99678	1198	
			3	112142	1085	
			4	122152	965	
			5	141086	810	
16#	960	45	1	89690	880	97
			2	95300	862	
			3	99125	849	
			4	114556	826	
			5	121130	790	
16#	960	30	1	88322	850	96
			2	93560	810	
			3	98620	782	
			4	109000	750	
			5	113000	710	



双速风机性能参数

Performance parameters of double speed fan

机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m³/h Volume	全压 Pa total pressure	噪声 dB(A) Noise
4	2900	1.8/1.3	1	4559	705	81
			2	4922	683	
			3	5399	670	
			4	5996	590	
			5	6323	526	
	1450		1	2280	176	70
			2	2461	171	
			3	2700	168	
			4	2998	148	
			5	3162	132	
4.5	2900	2.4/2	1	3348	883	82
			2	3760	851	
			3	4628	844	
			4	5800	780	
			5	7472	520	
	1450		1	1674	221	71
			2	1880	213	
			3	2314	211	
			4	2900	195	
			5	3736	130	
5	2900	3/2.5	1	6800	750	83
			2	8040	680	
			3	8860	610	
			4	9531	550	
			5	9820	510	
	1450		1	3400	188	75
			2	4020	170	
			3	4430	153	
			4	4766	138	
			5	4910	128	
5	2900	3.1/0.8	1	6812	664	83
			2	7955	610	
			3	8830	577	
			4	9505	546	
			5	9721	482	
	1450		1	3406	166	73
			2	3978	153	
			3	4415	144	
			4	4753	137	
			5	4861	121	
5.5	2900	4/3.3	1	8200	750	86
			2	9000	692	
			3	10050	640	
			4	12000	590	
			5	12200	500	
	1450		1	4100	188	79
			2	4500	173	
			3	5025	160	
			4	6000	148	
			5	6100	125	

机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m³/h Volume	全压 Pa total pressure	噪声 dB(A) Noise
5.5	2900	4.4/1.1	1	8012	691	85
			2	8953	639	
			3	9526	586	
			4	11390	546	
			5	12521	519	
	1450		1	4006	173	78
			2	4477	160	
			3	4763	147	
			4	5695	137	
			5	6261	130	
6	2900	5.5/4.5	1	13177	700	87
			2	14300	622	
			3	15100	600	
			4	15700	550	
			5	16000	490	
	1450		1	6589	175	75
			2	7150	156	
			3	7550	150	
			4	7850	138	
			5	8000	123	
6	1450	2.2/1.5	1	9950	450	78
			2	10166	430	
			3	12100	380	
			4	12790	340	
			5	13590	290	
	960		1	6588	197	69
			2	6731	188	
			3	8011	167	
			4	8468	149	
			5	8998	127	
6	2900	5.9/1.4	1	13100	685	87
			2	14312	617	
			3	14860	577	
			4	15423	550	
			5	15869	491	
	1450		1	6550	171	79
			2	7156	154	
			3	7430	144	
			4	7712	138	
			5	7935	123	
6.5	2900	5.9/1.4	1	16250	700	88
			2	17120	668	
			3	18000	620	
			4	19780	556	
			5	20050	510	
	1450		1	8120	170	82
			2	8560	167	
			3	9000	155	
			4	9722	140	
			5	10106	128	





机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m³/h Volume	全压 Pa total pressure	噪声 dB(A) Noise
6.5	1450	4.7/1.5	1	12960	560	85
			2	14400	546	
			3	16000	510	
			4	17240	445	
			5	18600	401	
	960		1	8580	246	76
			2	9534	239	
			3	10593	221	
			4	11410	195	
			5	12310	176	
7	1450	11/9	1	13550	951	89
			2	16880	823	
			3	22439	750	
			4	25103	738	
			5	27000	700	
	960		1	8971	417	80
			2	11176	361	
			3	14856	329	
			4	16620	323	
			5	17876	307	
7	1450	8/6.5	1	20156	736	88
			2	23343	701	
			3	24734	667	
			4	26218	628	
			5	27200	580	
	960		1	13345	323	80
			2	15455	307	
			3	16376	292	
			4	17358	275	
			5	18008	254	
7	1450	5.5/4	1	17426	665	82
			2	19262	644	
			3	21000	510	
			4	22550	490	
			5	23299	442	
	960		1	11537	291	73
			2	12753	282	
			3	13903	224	
			4	14930	215	
			5	15426	194	
7	1450	12/4	1	16000	873	89
			2	17023	861	
			3	22239	812	
			4	24710	741	
			5	27066	696	
	960		1	10593	453	80
			2	11270	377	
			3	14724	356	
			4	16360	325	
			5	17920	305	

机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m³/h Volume	全压 Pa total pressure	噪声 dB(A) Noise
8	1450	16/13	1	28850	788	88
			2	30890	540	
			3	31700	509	
			4	35134	499	
			5	40025	456	
	960		1	19101	345	79
			2	20451	237	
			3	20988	223	
			4	23261	219	
			5	26499	200	
8	1450	11/9	1	30892	800	86
			2	32269	740	
			3	34000	650	
			4	35531	580	
			5	37105	533	
	960		1	20453	351	78
			2	21364	324	
			3	22510	285	
			4	23524	254	
			5	24566	234	
8	1450	8/6.5	1	19102	745	85
			2	23993	700	
			3	27200	580	
			4	29770	465	
			5	30263	406	
	960		1	12647	327	78
			2	15885	307	
			3	18008	254	
			4	19710	204	
			5	20036	178	
8	1450	17/5.5	1	17622	1156	90
			2	22496	1063	
			3	28830	950	
			4	31703	861	
			5	35326	795	
	960		1	11667	507	81
			2	14894	466	
			3	19087	416	
			4	20990	377	
			5	23388	348	
8	1450	9/3	1	20156	700	86
			2	24062	681	
			3	28000	650	
			4	30051	620	
			5	31022	600	
	960		1	13345	307	78
			2	15931	299	
			3	18538	285	
			4	19896	272	
			5	20539	263	



机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m³/h Volume	全压 Pa total pressure	噪声 dB(A) Noise
9	1450	16/13	1	34310	951	91
			2	37520	893	
			3	41115	834	
			4	43180	770	
			5	45870	660	
	960		1	22716	417	82
			2	24841	391	
			3	27221	366	
			4	28588	338	
			5	30369	289	
9	1450	11/9	1	23226	881	89
			2	27426	836	
			3	31891	667	
			4	32000	606	
			5	34731	515	
	960		1	15377	386	80
			2	18158	366	
			3	21114	292	
			4	21186	266	
			5	22994	226	
9	1450	12/4	1	26056	797	90
			2	30326	716	
			3	32221	662	
			4	32856	610	
			5	34856	506	
	960		1	17251	349	81
			2	20078	314	
			3	21333	290	
			4	21753	267	
			5	23077	222	
9	1450	24/8	1	30345	1246	91
			2	33464	1193	
			3	38780	1155	
			4	42260	1090	
			5	46896	970	
	960		1	20090	546	82
			2	22155	523	
			3	25675	506	
			4	27979	478	
			5	31048	425	

机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m³/h Volume	全压 Pa total pressure	噪声 dB(A) Noise
9	1450	17/5.5	1	36647	1056	91
			2	39162	926	
			3	42560	895	
			4	47147	798	
			5	51066	629	
	960		1	24263	463	82
			2	25928	406	
			3	28178	392	
			4	31215	350	
			5	33809	276	
10	1450	22/18.5	1	36835	1222	92
			2	43624	1130	
			3	49000	900	
			4	51090	880	
			5	53219	813	
	960		1	24387	536	82
			2	28882	495	
			3	32441	395	
			4	33825	386	
			5	35235	356	
10	1450	16/13	1	35510	893	90
			2	37622	833	
			3	40700	791	
			4	45543	730	
			5	48000	600	
	960		1	23510	391	81
			2	24908	365	
			3	26946	347	
			4	30153	320	
			5	31779	263	
10	1450	11/9	1	34798	750	90
			2	37460	716	
			3	40000	690	
			4	42950	650	
			5	45556	615	
	960		1	23039	329	81
			2	24801	314	
			3	26483	302	
			4	28436	285	
			5	30161	270	





机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m³/h Volume	全压 Pa total pressure	噪声 dB(A) Noise
10	1450	12/4	1	34862	751	90
			2	38200	730	
			3	40000	683	
			4	42951	622	
			5	45500	601	
	960		1	23081	329	81
			2	25291	320	
			3	26483	299	
			4	28437	273	
			5	30124	263	
10	1450	24/8	1	38225	1300	93
			2	44261	1206	
			3	49430	1122	
			4	51611	1094	
			5	53600	922	
	960		1	25308	570	83
			2	29304	529	
			3	32726	492	
			4	34170	480	
			5	35487	404	
11	960	30/15	1	46921	1283	91
			2	46900	1270	
			3	51501	1255	
			4	53100	922	
			5	57995	846	
	720		1	35191	722	82
			2	35175	714	
			3	38626	706	
			4	39825	519	
			5	43496	476	
11	960	20/10	1	49896	813	90
			2	52033	795	
			3	55031	751	
			4	56360	683	
			5	62311	582	
	720		1	37422	457	82
			2	39025	447	
			3	41273	422	
			4	42270	384	
			5	46733	327	
11	960	15.5/5.1	1	42113	722	92
			2	45036	703	
			3	48500	690	
			4	50006	592	
			5	51365	566	
	720		1	31585	406	82
			2	33777	395	
			3	36375	388	
			4	37505	333	
			5	38524	318	

机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m³/h Volume	全压 Pa total pressure	噪声 dB(A) Noise
12	960	30/15	1	63090	1033	92
			2	64523	910	
			3	68500	750	
			4	74356	531	
			5	85632	526	
	720		1	42115	751	85
			2	48392	512	
			3	51375	422	
			4	55767	299	
			5	64224	296	
12	960	17/8	1	25612	835	90
			2	30265	803	
			3	43210	772	
			4	49353	759	
			5	55622	741	
	720		1	19209	470	84
			2	22699	452	
			3	32408	434	
			4	37015	427	
			5	41717	417	
12.5	960	30/15	1	67700	910	92
			2	78500	850	
			3	80000	700	
			4	87118	655	
			5	94359	559	
	720		1	50775	512	85
			2	58875	478	
			3	60000	394	
			4	65339	360	
			5	70769	314	
13	960	37/18	1	56318	1422	94
			2	62553	1301	
			3	70120	1200	
			4	79000	1100	
			5	88761	973	
	720		1	42239	800	84
			2	46915	732	
			3	52590	675	
			4	59250	619	
			5	66571	547	
13	960	20/10	1	53804	857	93
			2	62000	520	
			3	69007	590	
			4	72190	513	
			5	73701	433	
	720		1	40353	482	82
			2	46253	434	
			3	51755	332	
			4	54143	289	
			5	55276	244	



机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m³/h Volume	全压 Pa total pressure	噪声 dB(A) Noise
13	960	17/8	1	50123	801	93
			2	59226	779	
			3	61600	750	
			4	69268	593	
			5	71352	506	
	720		1	37592	451	84
			2	42021	426	
			3	46200	391	
			4	51951	334	
			5	53514	285	
14	960	30/15	1	64687	979	94
			2	76608	906	
			3	80231	864	
			4	85090	790	
			5	89720	704	
	720		1	48515	551	85
			2	57456	510	
			3	51002	467	
			4	60173	486	
			5	63818	444	
14	960	25/12	1	61350	800	95
			2	63011	750	
			3	67300	720	
			4	73230	690	
			5	79500	650	
	720		1	46013	450	83
			2	47258	422	
			3	50475	405	
			4	54923	388	
			5	59625	366	
14	960	45/22	1	76800	1200	95
			2	91030	1180	
			3	101003	1060	
			4	110760	920	
			5	121200	760	
	720		1	57600	675	85
			2	68273	664	
			3	75752	596	
			4	83070	518	
			5	90900	428	

机号 Serial number	转速 r/min Rotational speed	功率 kW Power	工况 Operating mode	风量 m³/h Volume	全压 Pa total pressure	噪声 dB(A) Noise
15	960	25/12	1	75300	810	95
			2	76045	750	
			3	86000	700	
			4	89360	675	
			5	90650	630	
	720		1	56475	456	85
			2	57034	422	
			3	64500	394	
			4	67020	380	
			5	67988	354	
15	960	45/22	1	82600	1210	96
			2	85355	1138	
			3	90450	1100	
			4	96400	1050	
			5	105500	980	
	720		1	61950	681	86
			2	64016	640	
			3	67838	619	
			4	72300	591	
			5	79125	551	
16	960	45/22	1	89690	880	97
			2	95300	862	
			3	99125	849	
			4	114556	826	
			5	121130	790	
	720		1	67268	495	88
			2	71475	485	
			3	74344	478	
			4	85917	465	
			5	90848	444	
16	960	30/15	1	88322	850	96
			2	93560	810	
			3	98620	782	
			4	109000	750	
			5	113000	710	
	720		1	66242	478	86
			2	70170	456	
			3	73965	440	
			4	81750	422	
			5	84750	399	





YTHL混流风机

YTHL Mixed flow fan

结构型式

Structure pattern

YTHL混流风机采用性能优越的混流式叶轮、圆筒形外壳和直线形连接方式。为适应不同场合的使用需要,采用不同的叶型、轮毂比和叶轮转速,使同一规格的风机具备3种性能参数,即A型(低压型)、B型(中压型)和C型(高压型)。同时提供双速型和消声型。

YTHL mixed flow fan adopts superior performance interflow impeller, circle tubular outer covering and rectilinear connection. In order to meet the different situation, uses different blade, rate between wheel and hub, and speed of impeller. Make the same specification fan have 3 kinds of performance parameters, namely A (low pressure), B (mid) and C (high), provide double speed and noise elimination one at the same time.

适用场合

Suitable situation

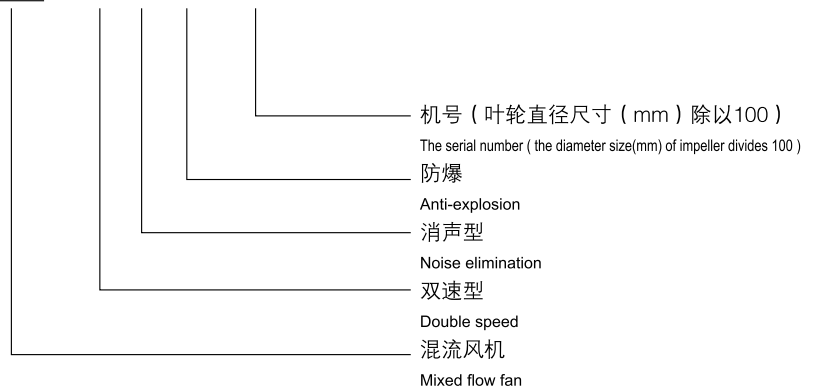
YTHL混流风机所具有的压力系数和流量系数,以及直线形连接方式,适合于各类民用和工业建筑中风道系统的加压、送风和排风及一般通风换气。在需要设置消防排烟系统的高层建筑和其它建筑中,作为防烟楼梯间和前室的正压送风机,可使火灾发生时楼梯间和前室保持必要的正压,保证人员的安全疏散。

YTHL mixed flow suits in positive pressure, blast, exhaust and general taking a breath in all kinds of civil and industrial architectures. In the high buildings and other constructions which need to establish fire fighting and smoke exhaust system, positive pressure air feeder in stair hall and first room can let them maintain an essential positive pressure, guarantee personnel's safety disperses.

型号表示

Model expression

YTHL- (S、X、B) - □



型号示例: YTHL-5A No5A混流风机

YTHL-X-5A No5A消声型混流风机

YTHL-S-5 No5双速型混流风机

YTHL-SX-5 No5双速消声型混流风机

注: 用户在设计图纸和定货清单中应按此型号表示方法表明所需风机的型号和规格。

Model demonstration: YTHL-5A No5A Mixed Flow Fan

YTHL-X-5A No5A Noise Elimination Mixed Flow Fan

YTHL-S-5 No5 Double Speed Mixed Flow Fan

YTHL-SX-5 No5 Double Speed Noise Elimination Mixed Flow Fan

Note: Users should express model and specification of the fan in the designed paper and the ordered merchandise list.

执行标准

The standard carried out

GB/T 1236《工业通风机用标准化风道进行性能试验》

GB/T 2888《风机和罗茨鼓风机噪声测量方法》

JB/T4364《风机配套消声器性能试验方法》

GB/T 1236"Industry Fan, Performance Test through Standardized Air Pipe"

GB/T 2888"Air Blower and Luo Tribulus Air Blower Noise Measurement Method"

JB/T4364"Air Blower Necessary Silencer Performance Test Method"



YTHL混流风机技术参数表

Parameter list of YTHL Mixed Flow Fan

机号 Serial number	转速 r/min Rotational speed	工况 Operating mode	风量 m³/h Volume	全压 Pa total pressure	功率 kW Power	出口噪声 dB(A) Exit noise
4	1450	1	3945	130.3	0.37	71
		2	3612	160.3		
		3	3300	185.0		
		4	2982	204.8		
		5	2538	213.7		
4	1450	1	4642	171.0	0.55	75
		2	4260	212.2		
		3	3880	256.0		
		4	3503	282.8		
		5	3127	296.0		
4	2900	1	7663	468.9	2.2	85
		2	7195	617.8		
		3	6716	758.9		
		4	6205	849.8		
		5	5380	954.4		
4.5	1450	1	5608	165.9	0.55	72
		2	5141	203.0		
		3	4700	235.0		
		4	4252	261.0		
		5	3623	272.2		
4.5	1450	1	6552	217.9	0.75	77
		2	6021	269.2		
		3	5500	320.0		
		4	4961	360.3		
		5	4432	378.0		
4.5	2900	1	10338	521.1	3	87
		2	9573	712.3		
		3	8684	858.2		
		4	7785	951.0		
		5	6769	1020.7		
5	1450	1	7711	203.1	0.75	75
		2	7062	248.2		
		3	6580	280.0		
		4	5830	317.9		
		5	5009	337.3		
5	1450	1	9072	267.1	1.5	80
		2	8327	319.8		
		3	7702	390.0		
		4	6847	439.3		
		5	6170	468.1		
5	2900	1	12648	468.7	4	90
		2	11200	739.0		
		3	9808	934.0		
		4	7295	1082.0		
		5	3286	1225.4		
5.5	1450	1	9903	223.4	1.5	79
		2	8375	300.4		
		3	8733	367.5		
		4	8128	417.3		
		5	7075	473.0		

机号 Serial number	转速 r/min Rotational speed	工况 Operating mode	风量 m³/h Volume	全压 Pa total pressure	功率 kW Power	出口噪声 dB(A) Exit noise
5.5	1450	1	11988	318.7	2.2	82
		2	11074	398.6		
		3	10200	473.0		
		4	9153	535.8		
		5	8229	568.8		
5.5	2900	1	18443	786.4	7.5	92
		2	16567	1101.0		
		3	14286	1310.3		
		4	11725	1441.3		
		5	8335	1511.9		
6	1450	1	13829	291.2	2.2	81
		2	12627	356.2		
		3	11600	408.0		
		4	10425	455.5		
		5	8873	474.8		
6	1450	1	14226	333.2	3	84
		2	13195	459.3		
		3	12084	538.8		
		4	11008	602.0		
		5	9513	646.9		
6	2900	1	21984	714.8	11	92
		2	19540	1106.0		
		3	16923	1398.0		
		4	12587	1627.2		
		5	5636	1820.1		
6.5	960	1	11641	151.2	1.5	76
		2	10629	184.9		
		3	9764	211.8		
		4	8775	236.5		
		5	7469	246.5		
6.5	1450	1	17186	356.7	3	84
		2	15755	435.9		
		3	14500	510.0		
		4	13036	561.3		
		5	11105	585.4		
6.5	2900	1	27048	822.0	15	97
		2	24650	1220.0		
		3	22005	1509.0		
		4	18400	1830.0		
		5	14298	2030.1		
7	960	1	16745	235.5	2.2	81
		2	15388	292.6		
		3	14110	351.0		
		4	12679	391.4		
		5	11329	410.0		
7	1450	1	22412	417.6	4	85
		2	20524	508.7		
		3	19020	587.0		
		4	16946	651.3		
		5	14559	691.0		





机号 Serial number	转速 r/min Rotational speed	工况 Operating mode	风量 m ³ /h Volume	全压 Pa total pressure	功率 kW Power	出口噪声 dB(A) Exit noise
7	1450	1	27478	615.5	11	90
		2	25633	738.1		
		3	24084	803.5		
		4	22411	859.4		
		5	20814	900.5		
8	960	1	22298	240.8	3	81
		2	20420	298.8		
		3	19010	340.0		
		4	16859	377.9		
		5	14484	401.0		
8	960	1	24769	302.5	5.5	85
		2	22932	378.3		
		3	21009	455.0		
		4	18912	509.7		
		5	17002	540.4		
8	1450	1	37971	698.3	15	92
		2	35080	873.2		
		3	32010	1050.0		
		4	28996	1182.8		
		5	26069	1247.8		
9	960	1	30245	271.8	4	80
		2	28581	313.7		
		3	26067	380.0		
		4	24102	435.2		
		5	20661	468.1		
9	960	1	33257	359.6	7.5	87
		2	30947	452.5		
		3	28473	552.4		
		4	26687	612.9		
		5	22807	674.7		
9	1450	1	47944	700.4	15	91
		2	43814	850.3		
		3	40500	978.0		
		4	36173	1088.0		
		5	30885	1138.3		
10	720	1	36189	259.9	5.5	81
		2	33880	296.8		
		3	31416	347.9		
		4	28775	388.0		
		5	24864	420.0		
10	960	1	41540	358.6	11	87
		2	39124	473.0		
		3	36500	580.0		
		4	32367	672.0		
		5	29250	736.6		
10	1450	1	58047	643.9	18.5	92
		2	54040	772.3		
		3	49404	892.1		
		4	44008	1020.1		
		5	36712	1117.2		
11	720	1	43624	259.0	5.5	83
		2	39992	316.9		
		3	37200	361.0		
		4	33086	407.9		
		5	28190	425.5		

机号 Serial number	转速 r/min Rotational speed	工况 Operating mode	风量 m ³ /h Volume	全压 Pa total pressure	功率 kW Power	出口噪声 dB(A) Exit noise
11	960	1	55163	431.2	15	88
		2	51872	561.9		
		3	48010	703.0		
		4	42857	801.9		
		5	39047	893.4		
11	960	1	67081	574.1	22	94
		2	61833	715.4		
		3	56500	852.0		
		4	50900	955.2		
		5	45856	1017.7		
12	720	1	55057	316.6	7.5	85
		2	50421	385.9		
		3	47008	440.0		
		4	41629	494.0		
		5	35764	523.6		
12	960	1	67341	427.9	15	90
		2	60486	599.4		
		3	52162	728.4		
		4	42810	785.3		
		5	30432	822.8		
12	960	1	74088	494.9	22	95
		2	70152	659.6		
		3	66010	780.0		
		4	60010	882.0		
		5	52940	1047.8		
13	720	1	72249	365.7	15	87
		2	66576	450.7		
		3	61010	521.0		
		4	55252	583.2		
		5	47370	616.6		
13	720	1	73770	405.6	22	91
		2	68998	542.0		
		3	62655	655.1		
		4	56358	745.1		
		5	49326	787.2		
13	960	1	94939	605.7	37	96
		2	89141	793.3		
		3	82020	962.0		
		4	73606	1122.8		
		5	66645	1235.4		
14	720	1	81213	385.0	18.5	88
		2	74837	474.8		
		3	68580	548.8		
		4	62107	614.3		
		5	53248	649.5		
14	720	1	85213	397.7	22	89
		2	80253	528.6		
		3	74991	644.2		
		4	69357	730.3		
		5	60000	817.0		
14	960	1	119949	747.9	45	97
		2	110076	915.7		
		3	101700	1050.0		
		4	90469	1172.2		
		5	77836	1235.3		

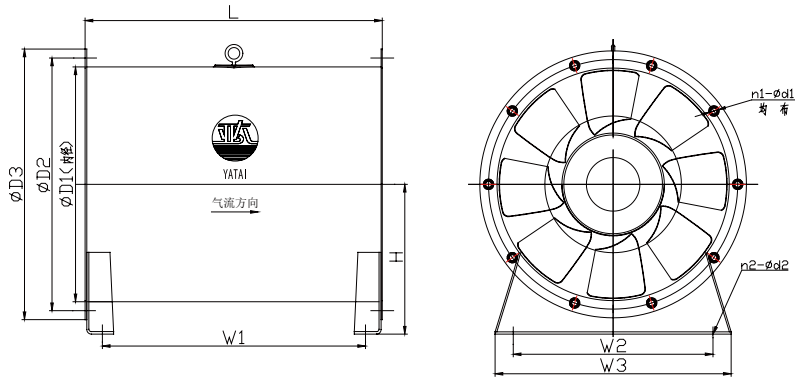


YTHL-S 双速混流风机技术参数表

Parameter list of YTHL-S Double Speed Mixed Flow Fan

机号 Serial number	转速 r/min Rotational speed	工况 Operating mode	风量 m³/h Volume	全压 Pa total pressure	功率 kW Power	出口噪声 dB(A) Exit noise
6	1450	1	14100	294.7	2.5	82
		2	13237	385.3		
		3	12350	472.0		
		4	11031	545.9		
		5	9898	599.8		
	960	1	9240	126.5	0.9	75
		2	8711	166.8		
		3	7805	217.6		
		4	7194	236.1		
		5	6534	261.5		
6.5	1450	1	17626	930	9	83
		2	20765	856		
		3	22000	733		
		4	23746	559		
		5	24620	431		
	960	1	11316	359	3	77
		2	13400	315		
		3	14026	254		
		4	14736	189		
		5	15013	146		
7	1450	1	27478	615.5	9	90
		2	26008	719.0		
		3	24084	803.5		
		4	22411	859.4		
		5	20814	900.5		
	960	1	18218	270.9	3	80
		2	17030	326.0		
		3	15951	352.4		
		4	14951	382.6		
		5	13857	399.0		
8	1450	1	38635	722.4	17	93
		2	35393	889.2		
		3	33009	1040.0		
		4	30008	1150.0		
		5	26057	1249.8		
	960	1	25491	314.0	5.5	84
		2	23449	389.9		
		3	21079	477.7		
		4	19283	519.6		
		5	17317	552.0		
9	1450	1	47873	698.3	17	91
		2	44022	858.1		
		3	40500	1002.0		
		4	36384	1100.7		
		5	31258	1166.4		
	960	1	31849	309.3	5.5	84
		2	29348	380.8		
		3	27006	441.0		
		4	24357	493.4		
		5	20882	520.5		

机号 Serial number	转速 r/min Rotational speed	工况 Operating mode	风量 m³/h Volume	全压 Pa total pressure	功率 kW Power	出口噪声 dB(A) Exit noise
10	1450	1	63515	788.5	24	92
		2	59525	894.9		
		3	54407	1087.7		
		4	49942	1228.2		
		5	42636	1309.9		
	960	1	41907	343.0	8	84
		2	39010	398.0		
		3	35900	473.1		
		4	33084	539.2		
		5	28337	578.3		
11	960	1	67772	585.4	25	94
		2	62470	729.6		
		3	57500	871.0		
		4	52009	961.0		
		5	46328	1038.7		
	720	1	50378	323.4	123	85
		2	46534	404.5		
		3	41918	498.6		
		4	38465	545.5		
		5	34581	578.9		
12	960	1	87016	755.9	30	95
		2	81293	854.1		
		3	75382	997.0		
		4	69036	1104.9		
		5	59847	1200.5		
	720	1	64149	410.5	15	86
		2	60180	467.7		
		3	55576	541.6		
		4	51108	605.2		
		5	44441	661.7		
13	960	1	96254	647.5	30	96
		2	88473	796.7		
		3	82004	920.0		
		4	73131	1020.9		
		5	62819	1083.5		
	720	1	71520	358.0	15	88
		2	65903	441.3		
		3	60012	521.0		
		4	54701	571.0		
		5	46891	602.8		
14	960	1	121198	763.6	45	96
		2	110761	927.1		
		3	101000	1062.0		
		4	91030	1186.8		
		5	78078	1243.0		
	720	1	90573	426.5	22	89
		2	83118	522.1		
		3	76089	612.0		
		4	68313	668.4		
		5	58774	703.9		



YTHL混流风机外形和安装尺寸表 (mm)

The Contour and Installation Size(mm) of YTHL Mixed Flow Fan

机号 Serial number	L	D1	D2	D3	W1	W2	W3	H	n1-φd1	n2-φd2
4	330	405	440	465	286	220	320	260	8-φ10	2-φ10
4	360	405	440	465	316	220	320	260	8-φ10	2-φ10
4	420	405	440	465	376	220	320	260	8-φ10	2-φ10
4.5	380	455	490	515	336	260	360	290	8-φ10	2-φ10
4.5	400	455	490	515	356	260	360	290	8-φ10	2-φ10
4.5	480	455	490	515	436	260	360	290	8-φ10	2-φ10
5	400	505	540	565	356	300	400	310	8-φ12	2-φ10
5	420	505	540	565	376	300	400	310	8-φ12	2-φ10
5	500	505	540	565	456	300	400	310	8-φ12	2-φ10
5.5	430	555	590	615	386	340	440	340	8-φ12	2-φ10
5.5	480	555	590	615	436	340	440	340	8-φ12	2-φ10
5.5	650	555	590	615	606	340	440	340	8-φ12	2-φ10
6	500	605	650	685	450	380	480	370	12-φ12	2-φ12
6	500	605	650	685	450	380	480	370	12-φ12	2-φ12
6	780	605	650	685	730	380	480	370	12-φ12	2-φ12
6.5	500	655	690	735	450	420	520	390	12-φ12	4-φ12
6.5	500	655	690	735	450	420	520	390	12-φ12	4-φ12
6.5	800	655	690	735	750	420	520	390	12-φ12	4-φ12
7	530	705	750	785	480	460	560	430	12-φ12	4-φ12
7	530	705	750	785	480	460	560	430	12-φ12	4-φ12
7	800	705	750	785	750	460	560	430	12-φ12	4-φ12
8	650	805	850	885	600	540	640	480	12-φ12	4-φ15
8	800	805	850	885	750	540	640	480	12-φ12	4-φ15
8	800	805	850	885	750	540	640	480	12-φ12	4-φ15
9	650	905	950	1005	600	620	720	530	16-φ15	4-φ15
9	800	905	950	1005	750	620	720	530	16-φ15	4-φ15
9	800	905	950	1005	750	620	720	530	16-φ15	4-φ15
10	800	1005	1060	1105	750	700	800	580	16-φ15	4-φ15
10	800	1005	1060	1105	750	700	800	580	16-φ15	4-φ15
10	880	1005	1060	1105	830	700	800	580	16-φ15	4-φ15
11	800	1105	1180	1205	750	780	880	630	16-φ15	4-φ15
11	880	1105	1180	1205	830	780	880	630	16-φ15	4-φ15
11	920	1105	1180	1205	870	780	880	630	16-φ15	4-φ15
12	880	1205	1310	1305	825	860	960	720	20-φ15	4-φ15
12	900	1205	1310	1305	845	860	960	720	20-φ15	4-φ15
12	940	1205	1310	1305	885	860	960	720	20-φ15	4-φ15
13	980	1305	1365	1405	925	940	1040	770	20-φ15	4-φ15
13	1050	1305	1365	1405	995	940	1040	770	20-φ15	4-φ15
13	1100	1305	1365	1405	1045	940	1040	770	20-φ15	4-φ15
14	1050	1405	1465	1505	995	1020	1120	810	20-φ15	4-φ15
14	1050	1405	1465	1505	995	1020	1120	810	20-φ15	4-φ15
14	1200	1405	1465	1505	1145	1020	1120	810	20-φ15	4-φ15

注：本系列风机一般不在法兰上打孔，打孔需订货时注明，敬请客户注意。

Note: this series of fans are generally not punched on the flanges. When the punching needs to be ordered, we should pay attention to the customers.



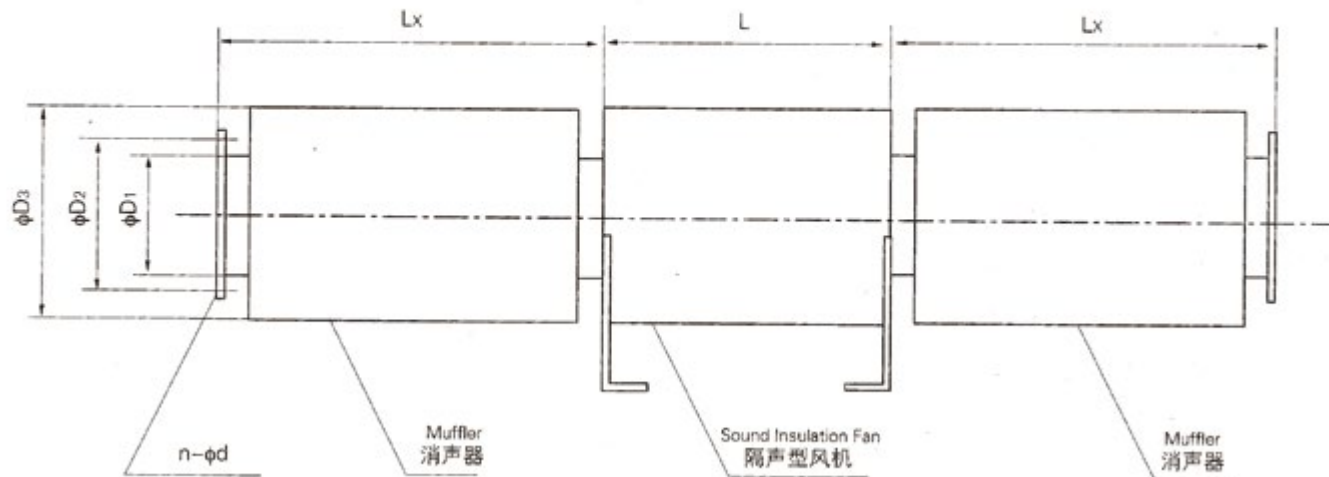
YTHL-X 消声型混流风机

YTHL-X Noise Elimination Mixed Flow Fan

YTHL-X 消声型混流风机由3部分组成：隔声型风机、进口消声器和出口消声器。进、出口消声器按国家标准图制做。消声器长度LX有600、900、1200、1500、2000等5种尺寸，用户也可根据安装现场的实际情况，自定消声器长度LX尺寸。不同长度LX尺寸的消声器的消声量列于下表：

The YTHL-X noise elimination mixed flow fan is composed of 3 parts:sound insulation fan,entrance and exit silencer.The silencers are made according to the National Standard Drawing. Silencer length LX has 600,900,1,200,1,500,2,000.Users also can decide the length according to installation scene by themselves. The disappeared loudness of different length silencer is listed as follows.

消声器长度 Lx(mm) Silencer length	600	900	1200	1500	2000
消声量 (分贝) dB(A) Noise reduction (decibels) dB(A)	4-6	6-8	7-11	9-13	11-15



机号 Serial number	4	4.5	5	5.5	6	6.5	7	8	9	10	11	12	13	14
D1	402	452	503	553	603	653	703	804	904	1004	1105	1205	1306	1406
D2	440	490	550	600	650	700	750	850	960	1060	1160	1260	1370	1470
D3	505	555	606	656	706	756	806	908	1008	1108	1210	1310	1412	1512
n	8	8	8	12	12	12	12	16	16	16	20	20	20	20
d	10	10	12	12	12	12	12	12	16	16	16	16	16	16
L	隔声型风机长度尺寸与不隔声型风机长度尺寸一致，底脚螺栓孔尺寸不变。 The technical parameters of fans with and without sound insulation are same,the footing bolt hole size is invariable.													
Lx	600、900、1200、1500、2000													

*除本样本给出的型号规格和技术参数外，我公司可根据用户的特殊要求设计制做非标准型风机产品。

*由于技术进步日新月异，产品设计变更可能随时发生，请与我公司保持经常联系，以便获取最新技术。

*We can make the non-standard fan according to user's special request besides parameters in this sample.

*Because technology advances continuously,the product design will change necessarily,please get in touch with us frequently,in order to gain the newest technology.



YTHL型混流式风机

YTHL Mixed Flow Fan

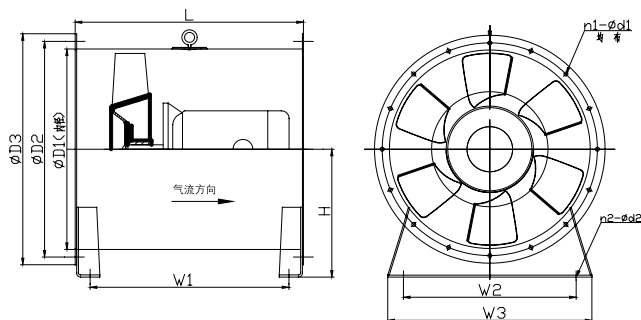
YTHL系列高效低噪混流式通风机

YTHL Series of High Efficiency Low Noise Mixed Flow Fan

特点及用途

- 特点：1、先进的CAD设计使其高效且高效区宽。
2、应用斜流子午加速法，压力比同机号轴流风机高，风量较同机号大。
3、电机内置直联、体积小，安装方便、运转平稳。
4、比A声级低，比同类产品小3-5dB(A)。

用途：广泛应用于工矿企业和高级民用建筑的送排风系统。



Characteristic and Application

- Characteristics: 1. Advanced CAD design, high efficiency and its area is wide.
2. Application oblique flow Ziwu Acceleration Law, higher pressure and volume
3. Electrical machinery set inside, small bulk, convenient install and steady movement.
4. Lower than A sound level, less 3-5dB (A) than the similar.
Application: Widely used in air supply and exhaust systems in industrial and mining enterprises and high-end civil buildings.

YTHL-1型混流式通风机外型尺寸表

Outlook Size of YTHL-1 Mixed Flow Fan

机号 Serial number	L	D1	D2	D3	W1	W2	W3	H	n1-φd1	n2-φd2
4	330	405	440	465	286	220	320	260	8-φ10	2-φ10
4.5	380	455	490	515	336	260	360	290	8-φ10	2-φ10
5	500	505	540	565	456	300	400	310	8-φ12	2-φ10
6	450	605	650	685	400	380	480	370	12-φ12	2-φ12
7	530	705	750	785	480	460	560	430	12-φ12	4-φ12
8	650	805	850	885	600	540	640	480	12-φ12	4-φ15
9	650	905	950	1005	600	620	720	530	16-φ15	4-φ15
10	800	1005	1060	1105	750	700	800	580	16-φ15	4-φ15
11	800	1105	1180	1205	750	780	880	630	16-φ15	4-φ15
12	940	1205	1310	1305	885	860	960	720	20-φ15	4-φ15
13	980	1305	1365	1405	925	940	1040	770	20-φ15	4-φ15
14	1100	1405	1465	1505	1045	1020	1120	810	20-φ15	4-φ15

YTHL-1型高效低噪混流式通风机性能参数表

Performance Parameter of YTHL-1 Highly Effective Silent Mixed Flow Fan

机号 Serial number	序号 No.	风量 (m³/h) Volume	全压 (Pa) total pressure	转速 (r/min) Rotational speed	功率 (kW) Power	噪声 dB(A) noise
4	1	4202	143	1450	0.37	≤71
	2	3765	157			
	3	3636	175			
	4	3394	190			
	5	3053	212			
4.5	1	4552	207	1450	0.55	≤73
	2	4183	208			
	3	4040	216			
	4	3771	230			
	5	3392	236			
5	1	7433	220	1450	1.1	≤77
	2	7152	252			
	3	6664	278			
	4	6052	297			
	5	5252	326			
6	1	11548	200	1450	1.5	≤79
	2	10643	228			
	3	9831	262			
	4	8890	288			
	5	8121	325			
7	1	18800	329	1450	3	≤82
	2	15716	345			
	3	15319	370			
	4	13381	440			
	5	11780	470			
8	1	25467	193	960	4	≤82
	2	24418	221			
	3	22424	292			
	4	20883	353			
	5	18636	382			

机号 Serial number	序号 No.	风量 (m³/h) Volume	全压 (Pa) total pressure	转速 (r/min) Rotational speed	功率 (kW) Power	噪声 dB(A) noise
9	1	34206	282	960	5.5	≤86
	2	33181	321			
	3	32056	370			
	4	30120	395			
	5	27174	430			
10	1	44054	288	960	7.5	≤86
	2	42603	326			
	3	40598	329			
	4	39151	334			
	5	36916	371			
11	1	48729	310	960	11	≤86
	2	47588	329			
	3	46099	346			
	4	44947	360			
	5	43572	376			
12	1	64292	429	720	15	≤91
	2	62787	451			
	3	60820	471			
	4	59302	488			
	5	57226	498			
13	1	71565	441	720	15	≤91
	2	69417	463			
	3	67702	482			
	4	66000	498			
	5	63699	508			
14	1	60000	720	960	37	≤96
	2	67621	641			
	3	75150	567			
	4	78059	533			
	5	83126	476			

注：本系列风机一般不在法兰上打孔，打孔需订货时注明，敬请客户注意。

Note: this series of fans are generally not punched on the flanges. When the punching needs to be ordered, we should pay attention to the customers.

YTFX风机箱

YTFX Fan Box

结构型式

Structure pattern

YTFX型风机箱主要由前向多叶双进风离心式风机和结构稳固、隔声降噪的箱体组成，具有压力高、流量大和噪声低的特点，适合于各类建筑的通风换气。对于大规格的风机箱，为便于运输和提升，可进行现场组装。箱体采用耐高温双层壁板，电机和传动机构设置在箱体外侧的风机箱可做为通风换气和消防排烟两用风机箱使用，平时用于通风换气，火灾发生时排放高温烟气。

The YTFX fan box is mainly composed of multi-blade double intake centrifugal fan and the body which is strong, sound-proofing and noise-reduction, has many characteristics such as high pressure, big current capacity and low noise. It suits well in taking a breath in each kind of building. For convenience in transportation and lift, the big specification fan box may be assembled on the site. The box body is used the thermostable double-decked stove sheet. The fan box whose motor and driving are outside the case can make a double uses (takes a breath generally or discharges fume when fire breaks out).



适用场合

Suitable situation

YTFX型风机箱主要适用于压力要求较高，噪声要求较低，一般轴流风机和斜流风机满足不了要求的场合，适合于各类民用和工业建筑中风道系统的加压、送风和排风及一般通风换气。在需要设置消防排烟系统的高层建筑和其它建筑中，作为防烟楼梯间和前室的正压送风机，可使火灾发生时楼梯间和前室保持必要的正压，以利于人员的安全疏散。通风换气和消防排烟两用风机箱平时用于通风换气，火灾发生时可排放280℃的高温烟气。

The YTFX fan box is mainly suitable for the situation where requested pressure is high, noise low and ordinary fan could not satisfy the request. It suits in pressurization, blast, exhaust and taking a breath in the civil and industry architecture. In the high or other building which needs to establish fire fighting smoke exhaust system, the positive pressure fan located in stair hall or first room will maintain an essential positive pressure, make sure the people escape safely. The double use fan box may discharge 280℃ high temperature hazes when fire broken out.

执行标准

Standard Carried out

GB/T 1236 《工业通风机用标准化风道进行性能试验》

GB / T 2888 《风机和罗茨鼓风机噪声测量方法》

JB/T 4364 《风机配套消声器性能试验方法》

GB 50045 《高层民用建筑设计防火规范》

GB 50067 《汽车库、修车库、停车场设计防火规范》

GB 50098 《人民防空工程设计防火规范》

GB/T1236 "Industry Fan, Performance Test through Standardized Air Pipe"

GB/T2888 "Air Blower and Luo Tribulus Air Blower Noise Measurement Method"

JB/T4364 "Air Blower Necessary Silencer Performance Test Method"

GB50045 "High Civil Construction Design Fire Protection Standard"

GB50067 "Garage, Repair Garage, Parking Lot Design Fire Protection Standard"

GB50098 "People's Air Defense Engineering Design Fire Protection Standard"



型号表示

Model expression

YTFX- (I) (II)-(B)-□



型号示例: YTFX-5A-3-Y 风量5000m³/h,低压型,水平进风口,垂直上出风口,右侧取出过滤网风机箱。

YTFX-II-5A-3-Y 风量5000m³/h,低压型,水平进风口,垂直上出风口,右侧取出过滤网,电机外置双速型排风排烟两用风机箱。

注: ①用户在设计图纸和定货清单中应按此型号表示方法表明所需风机箱的型号和规格。

②用户根据需要定购非标产品,请与本公司技术部门联系。

Model demonstration:YTFX-5A-3-Y volume 5000m³/h,Low pressure,Horizontal intake,Vertical up discharge,Taking out the strainer on right.

YTFX-II-5A-3-Y volume 5000m³/h,Low pressure,Horizontal intake,Vertical up discharge,Taking out the strainer on right.

Note:(1)Users should express model and specification of the fan in the designed paper and the ordered merchandise list.

(2)We can make the non-standard products according to user's special request,please get in touch with our technique department.

1-水平进风口水平下出风口 1.horizontal intake,horizontal down discharge	2-水平进风口水平上出风口 2.horizontal intake,horizontal up discharge	3-水平进风口垂直上出风口 3.horizontal intake,vertical up discharge	4-水平进风口垂直下出风口 4.horizontal intake,vertical down discharge
5-垂直上进风口水平下出风口 5.vertical up intake,horizontal down discharge	6-垂直上进风口水平上出风口 6.vertical up intake,horizontal up discharge	7-垂直下进风口水平下出风口 7.vertical down intake,horizontal down discharge	8-垂直下进风口水平上出风口 8.vertical down intake,horizontal up discharge
9-左进风口水平下出风口 9.left intake,horizontal down discharge	10-左进风口水平上出风口 10.left intake,horizontal up discharge	11-右进风口水平下出风口 11.right intake,horizontal down discharge	12-右进风口水平上出风口 12.right intake,horizontal up discharge

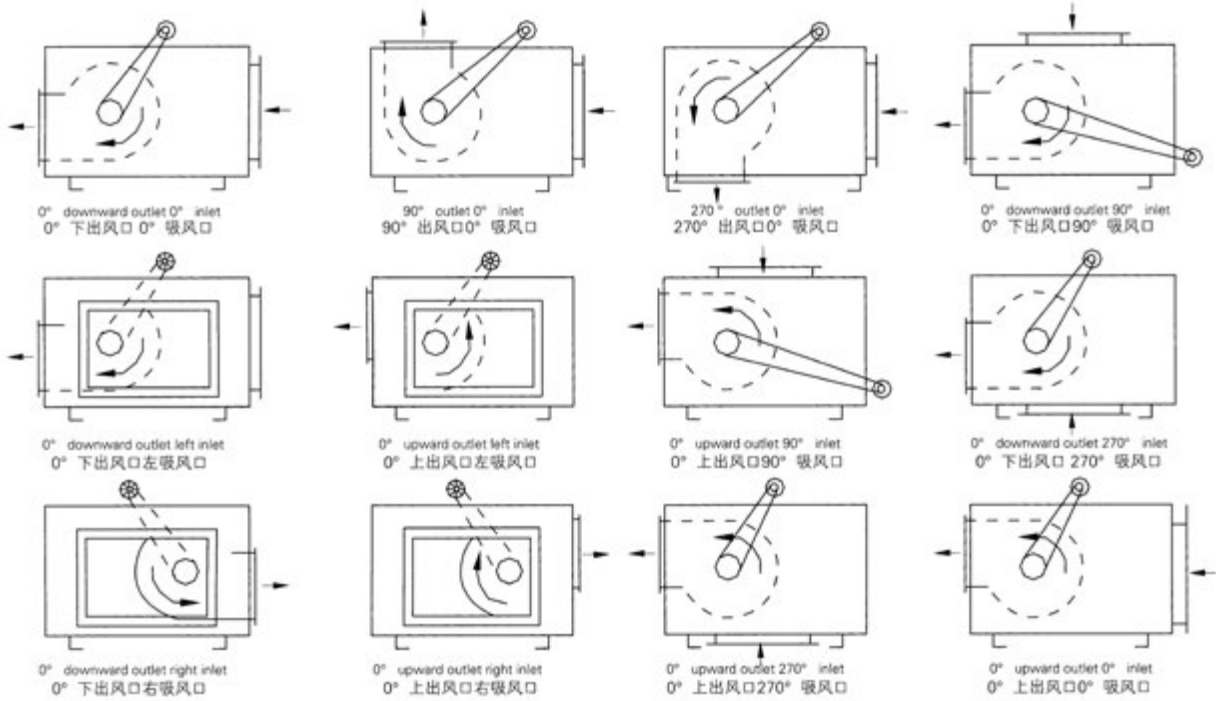


YTFX系列消防通风（两用）低噪声柜式离心风机风口位置编号

Serial Number of Register Position of YTFX Low Noise Cabinet Centrifugal Blower

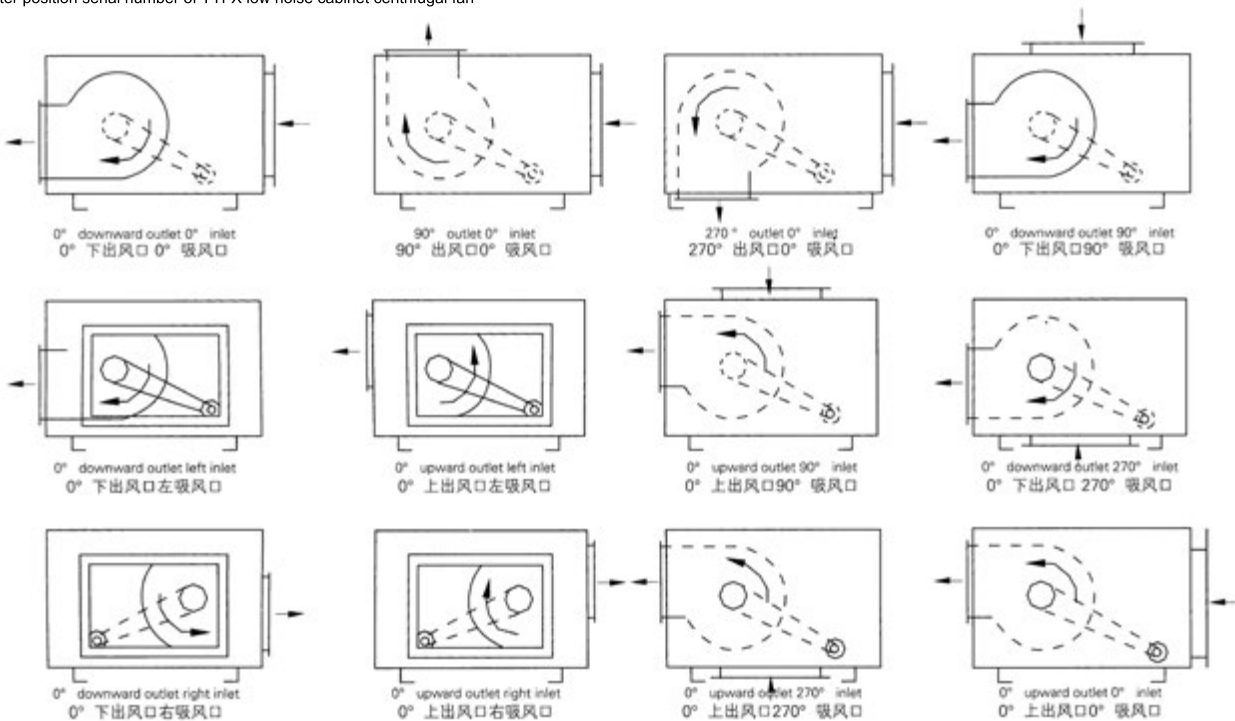
1、YTFX 型低噪声柜式离心风机风口位置编号

Register position serial number of YTFX low noise cabinet centrifugal fan



2、YTFX型低噪声柜式离心风机风口位置编号

Register position serial number of YTFX low noise cabinet centrifugal fan





YTFX柜式风机箱技术参数

Parameter List YTFX Fan Box

机号 Serialnumber	转速 r/min Speed	风量 m ³ /h Volume	全压 Pa Total Pressure	功率 kW Power	噪声 dB(A) Noise	重量 kg Weight
2	1300	1200	231	0.25	61	45
		1595	209	0.25	64	45
		1965	198	0.25	68	45
2.2	1400	1500	350	0.32	65	60
		2000	350	0.37	66	60
2.5	1350	1359	390	0.45	62	60
		2025	430	0.45	64	60
		3218	403	0.45	69	60
2.5	1400	2200	385	0.37	65	60
		2200	462	0.45	66	60
		3080	385	0.55	66	60
		3300	462	0.75	67	65
		3850	385	0.75	67	65
		4400	462	1.1	68	60
2.5	910	1980	198	0.25	63	60
		1980	231	0.25	64	60
		2640	198	0.37	64	60
		2860	231	0.37	65	60
		3300	198	0.37	65	60
		3300	231	0.45	66	60
2.8	1450	4400	550	1.1	69	68
		5500	550	1.5	70	68
		6600	550	1.8	71	68
2.8	910	3300	265	0.45	68	68
		3850	264	0.75	66	68
		4620	264	0.75	67	68
		3300	440	0.8	65	68
		4400	440	1.1	66	68
		5500	440	1.1	67	68
3.15	1450	5500	660	1.8	75	80
		7150	660	2.2	76	80
		8800	660	3	77	80
3.15	910	4400	495	1.1	66	80
		5500	495	1.5	67	80
		6600	495	1.5	68	80
3.55	1450	7700	880	3	76	110
		11000	880	4	78	110
		13750	880	5.5	79	110
3.55	920	6600	550	1.8	67	110
		7700	550	1.8	72	110
		8800	550	2.2	73	110
4	1450	8800	990	3	77	130
		12100	990	5.5	79	150
4	920	5500	660	1.8	68	130
		7150	660	2.2	70	130
		8800	660	3	74	130
4.5	960	11000	880	4	78	250
		16500	880	5.5	80	280
		22000	880	7.5	82	280
5.0	960	18000	800	7.5	85	295
		20000	800	9	87	310
		22000	900	9	87	310
		25000	1000	11	90	330



YTFX系列消防通风（两用）低噪声柜式离心风机性能参数表

Performance Parameter of YTFX Series Fire Fighting and Ventilation (Dual Purpose) Low Noise Cabinet Centrifugal Blower

YTFX系列消防通风（两用）低噪声柜式离心风机性能参数表（1、2）

Performance Parameter List (1,2) of YTFX series fire fighting ventilation (dual purpose) low noise cabinet centrifugal blower.

机号 Serial number	转速 (r/min) Speed	风量(m³/h) Volume	全压 (Pa) Total pressure	静压 (Pa) Static pressure	电机型号 Motor Model	功率 (kW) Power	噪声db(A) Noise
NO.9	900	1650	186	165	YE3-8014	0.55	< 58
		2040	195	163			
		2280	201	161			
		2520	203	155			
		2670	203	145			
		3150	195	120			
	1000	1800	233	208	YE3-8024	0.75	< 59
		2160	240	205			
		2520	251	203			
		2880	256	193			
		3240	240	160			
		3600	234	135			
	1100	2050	280	248	YE3-8024	0.75	< 60
		2450	291	245			
		2850	297	235			
		3250	300	220			
		3650	301	200			
		4050	285	160			
	1200	2250	333	295	YE3-90S-4	1.1	< 60
		2660	342	288			
		3060	349	278			
		3470	352	260			
		3870	359	245			
		4280	344	205			
	1300	2400	382	338	YE3-90S-4	1.1	< 61
		2840	396	335			
		3280	405	323			
		3720	410	305			
		4160	412	280			
		4600	401	240			
1400	2585	443	392	YE3-90L-4	1.5	< 62	
	3059	459	389				
	3532	470	375				
	4006	476	354				
	4480	478	325				
	4954	465	278				
NO.10	800	1850	192	175	YE3-8024	0.75	< 59
		2110	195	173			
		2370	196	168			
		2630	225	160			
		2890	191	150			
		3150	187	138			
	900	2000	238	218	YE3-90S-4	1.1	< 60
		2310	242	216			
		2650	248	213			
		2930	246	203			
		3230	245	193			
		3500	236	175			
	1000	2250	295	270	YE3-90L-4	1.5	< 61
		2570	301	268			
		2890	305	262			
		3210	301	250			
		3530	292	230			
		4000	279	200			
	1100	2500	354	323	YE3-90L-4	1.5	< 61
		2920	360	318			
		3360	369	313			
		3710	368	300			
		4170	366	280			
		4500	351	250			
	1200	2500	411	380	YE3-100L-4	2.2	< 62
		3030	421	375			
		3500	426	365			
		4040	421	340			
		4510	416	315			
		5000	415	292			
1300	2708	481	445	YE3-100L-4	2.2	< 63	
	3281	493	439				
	3791	498	427				
	4375	493	398				
	4884	487	368				
	5415	487	342				





YTFX系列消防通风（两用）低噪声柜式离心风机性能参数表（3）

Performance Parameter List (3) of YTFX series fire fighting ventilation (dual purpose) low noise cabinet centrifugal blower.

机号 Serial number	转速 (r/min) Speed	风量(m ³ /h) Volume	全压 (Pa) Total pressure	静压 (Pa) Static pressure	电机型号 Motor Model	功率 (kW) Power	噪声db(A) Noise
NO.12	700	2600	205	188	YE3-90S-4	1.1	< 60
		3050	208	185			
		3510	211	180			
		3950	212	173			
		4400	211	161			
		4850	210	152			
	800	3000	263	240	YE3-90L-4	1.5	< 61
		3480	269	238			
		3960	270	230			
		4440	278	228			
		4920	271	209			
		5400	270	197			
	900	3650	341	307	YE3-90L-4	1.5	< 61
		4140	345	302			
		4630	349	295			
		5120	347	283			
		5610	344	264			
		6100	314	247			
	1000	3750	413	377	YE3-100L-4	2.2	< 62
		4350	423	375			
		4950	429	367			
		5550	428	350			
		6150	427	329			
		6750	425	312			
	1100	4150	503	459	YE3-100L-4	3	< 63
		4820	515	456			
		5490	520	444			
		6160	521	425			
		6830	526	408			
		7500	514	372			
	1180	4453	578	528	YE3-100L-4	3	< 64
		5172	592	524			
5891		598	511				
6610		599	489				
7329		605	469				
8048		591	428				

YTFX系列消防通风（两用）低噪声柜式离心风机性能参数表（4）

Performance Parameter List(4) of YTFX series fire fighting ventilation (dual purpose) low noise cabinet centrifugal blower.

机号 Serial number	转速 (r/min) Speed	风量(m ³ /h) Volume	全压 (Pa) Total pressure	静压 (Pa) Static pressure	电机型号 Motor Model	功率 (kW) Power	噪声db(A) Noise
NO.15	700	4500	303	275	YE2-100L-4	2.2	< 61
		5250	310	272			
		6000	318	268			
		6750	321	258			
		7500	320	238			
		8250	316	225			
	800	5000	398	363	YE2-100L-4	3	< 62
		5910	409	360			
		6800	419	355			
		7730	421	338			
		8660	429	325			
		9500	413	288			
	850	5250	444	406	YE2-100L-4	3	< 63
		6200	457	404			
		7150	471	400			
		8100	477	386			
		9050	479	365			
		10050	465	325			
	900	5500	497	455	YE2-112M-4	4	< 64
		6500	512	453			
		7500	523	445			
		8500	530	430			
		9500	535	410			
		10500	536	383			
	1000	6080	619	568	YE2-132S-4	5.5	< 65
		7200	635	563			
		8430	649	550			
		9670	655	525			
		10810	667	505			
		12050	655	453			
	1050	6384	682	626	YE2-132S-4	5.5	< 66
		7560	700	621			
8852		716	606				
10164		722	579				
11351		735	557				
12653		722	499				



YTFX系列消防通风（两用）低噪声柜式离心风机性能参数表（5）

Performance Parameter List (5) of YTFX series fire fighting ventilation (dual purpose) low noise cabinet centrifugal blower.

机号 Serial number	转速 (r/min) Speed	风量(m³/h) Volume	全压 (Pa) Total pressure	静压 (Pa) Static pressure	电机型号 Motor Model	功率 (kW) Power	噪声db(A) Noise
NO.18	600	6030	301	275	YE2-100L-4	3	< 62
		7050	308	273			
		8060	314	268			
		9120	313	255			
		10060	311	240			
		11030	308	223			
	700	6550	405	375	YE2-112M-4	4	< 63
		7800	413	370			
		9100	418	360			
		10400	420	344			
		11700	424	328			
		13050	423	303			
	750	7500	468	428	YE2-132S-4	5.5	< 64
		8780	478	424			
		10060	484	413			
		11340	487	388			
		12620	486	375			
		13900	478	350			
	800	8150	532	485	YE2-132S-4	5.5	< 64
		9510	542	478			
		10870	548	465			
		12230	550	443			
		13590	555	425			
		14950	557	400			
	900	8850	670	615	YE2-112M-4	7.5	< 65
		10390	684	608			
		11930	690	590			
		13470	695	568			
		15010	698	540			
		16550	693	501			
	940	9239	730	670	YE2-112M-4	7.5	< 66
		10847	746	663			
10847		752	643				
12455		758	619				
15670		761	589				
17278		755	546				

YTFX系列消防通风（两用）低噪声柜式离心风机性能参数表（6）

Performance Parameter List(6) of YTFX series fire fighting ventilation (dual purpose) low noise cabinet centrifugal blower.

机号 Serial number	转速 (r/min) Speed	风量(m³/h) Volume	全压 (Pa) Total pressure	静压 (Pa) Static pressure	电机型号 Motor Model	功率 (kW) Power	噪声db(A) Noise
NO.20	550	7900	340	313	YE2-112M-4	4	< 66
		9070	343	308			
		10240	345	300			
		11410	339	283			
		12580	331	263			
		13750	312	230			
	600	8750	408	375	YE2-132S-4	5.5	< 67
		9990	412	369			
		11230	410	356			
		12470	404	338			
		13710	395	315			
		14950	370	275			
	650	9350	475	438	YE2-132S-4	5.5	< 68
		10730	482	433			
		12110	478	415			
		13490	468	390			
		14870	469	375			
		16250	438	325			
	700	10050	556	513	YE2-132M-4	7.5	< 68
		11520	562	505			
		13000	560	488			
		14470	552	463			
		15950	535	426			
		17420	403	380			
	800	11250	717	663	YE2-160M-4	11	< 69
		13110	727	654			
		14970	727	631			
		16820	721	600			
		18680	682	533			
		20540	668	488			
	840	11813	790	731	YE2-160M-4	11	< 70
		13766	802	721			
15719		802	696				
17661		795	662				
19614		752	588				
21567		736	538				





YTFX系列消防通风（两用）低噪声柜式离心风机性能参数表（7）

Performance Parameter List (7) of YTFX series fire fighting ventilation (dual purpose) low noise cabinet centrifugal blower.

机号 Serial number	转速 (r/min) Speed	风量(m ³ /h) Volume	全压 (Pa) Total pressure	静压 (Pa) Static pressure	电机型号 Motor Model	功率 (kW) Power	噪声db(A) Noise
NO.22	550	9850	359	330	YE2-132S-4	5.5	< 68
		11330	366	328			
		12810	368	319			
		14290	358	297			
		15770	349	275			
		17250	342	253			
	600	11050	434	398	YE2-132M-4	7.5	< 69
		12740	438	390			
		14430	436	374			
		16120	419	341			
		17810	416	321			
		19500	388	275			
	650	11970	507	464	YE2-132M-4	7.5	< 69
		13630	510	455			
		15280	506	436			
		16940	493	407			
		18590	477	374			
		20250	463	341			
	700	12830	588	539	YE2-160M-4	11	< 70
		14650	600	536			
		16470	591	510			
		18300	584	484			
		20120	561	440			
		21940	545	401			
	800	14950	771	704	YE2-160L-4	15	< 71
		17060	776	689			
		19170	770	660			
		21280	762	627			
		23390	735	572			
		25500	717	523			
	840	15698	850	776	YE2-160L-4	15	< 72
		17913	856	760			
		20129	849	728			
		22344	840	691			
		24560	811	631			
		26775	790	577			

YTFX系列消防通风（两用）低噪声柜式离心风机性能参数表（8）

Performance Parameter List(8) of YTFX series fire fighting ventilation (dual purpose) low noise cabinet centrifugal blower.

机号 Serial number	转速 (r/min) Speed	风量(m ³ /h) Volume	全压 (Pa) Total pressure	静压 (Pa) Static pressure	电机型号 Motor Model	功率 (kW) Power	噪声db(A) Noise
NO.25	500	14980	371	330	YE2-132M-4	7.5	< 70
		17080	382	328			
		19190	388	320			
		21290	383	300			
		23400	391	290			
		25500	374	254			
	550	16420	452	402	YE2-160M-4	11	< 71
		18710	462	398			
		21010	457	376			
		23300	470	370			
		25600	465	344			
		27890	449	306			
	600	18000	540	480	YE2-160M-4	11	< 71
		20410	553	476			
		22820	556	460			
		25230	549	432			
		27640	541	400			
		30050	526	360			
	650	19500	630	560	YE2-160L-4	15	< 72
		22220	645	554			
		24930	648	534			
		27650	651	510			
		30360	652	482			
		33080	632	430			
	700	21000	731	650	YE2-180M-4	18.5	< 73
		23990	746	640			
		26980	754	620			
		29970	745	580			
		32860	740	540			
		35950	718	480			
	740	22197	817	726	YE2-180M-4	18.5	< 74
		25357	833	715			
		28518	742	693			
		31678	832	648			
		34839	827	603			
		37999	723	536			



YTFX系列消防通风（两用）低噪声柜式离心风机性能参数表（9）

Performance Parameter List (9) of YTFX series fire fighting ventilation (dual purpose) low noise cabinet centrifugal blower.

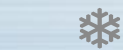
机号 Serial number	转速 (r/min) Speed	风量(m ³ /h) Volume	全压 (Pa) Total pressure	静压 (Pa) Static pressure	电机型号 Motor Model	功率 (kW) Power	噪声db(A) Noise
NO.28	450	19500	377	330	YE2-160M-6	7.5	< 71
		21610	383	326			
		23720	383	314			
		25830	384	302			
		27940	380	284			
		30050	376	265			
	500	21030	464	410	YE2-160L-6	11	< 72
		23610	473	405			
		26200	479	395			
		28800	472	370			
		31400	467	346			
		33980	462	320			
	550	23970	563	492	YE2-180L-6	15	< 72
		26580	571	484			
		29200	575	470			
		31820	574	450			
		34430	565	420			
		37050	552	384			
	600	25650	671	590	YE2-200L-6	18.5	< 73
		28630	687	586			
		31620	691	568			
		34600	687	540			
		37590	673	500			
		40570	658	456			
	650	28030	796	700	YE2-200L-6	22	< 74
		31190	811	692			
		34360	809	664			
		37520	805	632			
		40690	793	590			
		43850	776	540			
	680	29319	871	766	YE2-200L-6	22	< 75
		32625	887	757			
		35941	885	726			
		39246	881	691			
		42562	868	645			
		45867	849	591			

YTFX系列消防通风（两用）低噪声柜式离心风机性能参数表（10）

Performance Parameter List(10) of YTFX series fire fighting ventilation (dual purpose) low noise cabinet centrifugal blower.

机号 Serial number	转速 (r/min) Speed	风量(m ³ /h) Volume	全压 (Pa) Total pressure	静压 (Pa) Static pressure	电机型号 Motor Model	功率 (kW) Power	噪声db(A) Noise
NO.30	400	21000	350	310	YE2-160M-6	7.5	< 72
		24000	357	305			
		27560	363	294			
		30780	362	276			
		33120	358	258			
		35480	355	241			
	450	23850	452	400	YE2-160L-6	11	< 72
		26880	455	389			
		29870	461	380			
		32840	459	361			
		35880	457	340			
		39060	446	308			
	500	26810	555	490	YE2-180L-6	15	< 73
		30590	565	480			
		34150	569	463			
		37860	568	438			
		41440	562	406			
		44110	557	381			
	550	28530	666	592	YE2-200L-6	22	< 74
		31240	676	587			
		35470	682	568			
		39660	691	548			
		43850	684	510			
		48030	666	457			
	600	31050	787	700	YE2-225M-6	30	< 75
		34850	801	691			
		39600	816	674			
		44640	816	635			
		49400	811	590			
		53960	802	538			
	640	33130	896	797	YE2-225M-6	30	< 76
		37185	912	786			
		42253	929	767			
		47631	929	723			
		52710	923	671			
		57575	913	612			





YTFX系列消防通风（两用）低噪声柜式离心风机性能参数表（11）

Performance Parameter List (11) of YTFX series fire fighting ventilation (dual purpose) low noise cabinet centrifugal blower.

机号 Serial number	转速 (r/min) Speed	风量(m ³ /h) Volume	全压 (Pa) Total pressure	静压 (Pa) Static pressure	电机型号 Motor Model	功率 (kW) Power	噪声db(A) Noise
NO.33	400	27840	424	373	YE2-160L-6	11	< 75
		31765	431	365			
		35462	435	352			
		39314	435	333			
		43032	431	309			
		45804	428	290			
	450	31320	537	472	YE2-180L-6	15	< 75
		35735	547	463			
		39894	551	446			
		44228	551	422			
		48411	545	391			
		51530	542	367			
	500	34800	663	583	YE2-200L-6	22	< 76
		39706	675	571			
		44327	680	551			
		49142	680	521			
		53790	673	483			
		57255	669	453			
	550	38280	801	705	YE2-200L-6	22	< 77
		43677	816	691			
		47660	816	667			
		54056	822	630			
		59169	814	584			
		62981	809	548			
	600	41760	955	840	YE2-250M-6	37	< 78
		47647	971	822			
		53192	979	793			
		58970	979	750			
		64548	970	696			
		68706	962	652			
	630	43848	1052	926	YE2-250M-6	37	< 79
		50029	1071	906			
		55852	1079	874			
		61919	1079	827			
		67775	1069	767			
		72141	1061	719			

YTFX系列消防通风（两用）低噪声柜式离心风机性能参数表（12）

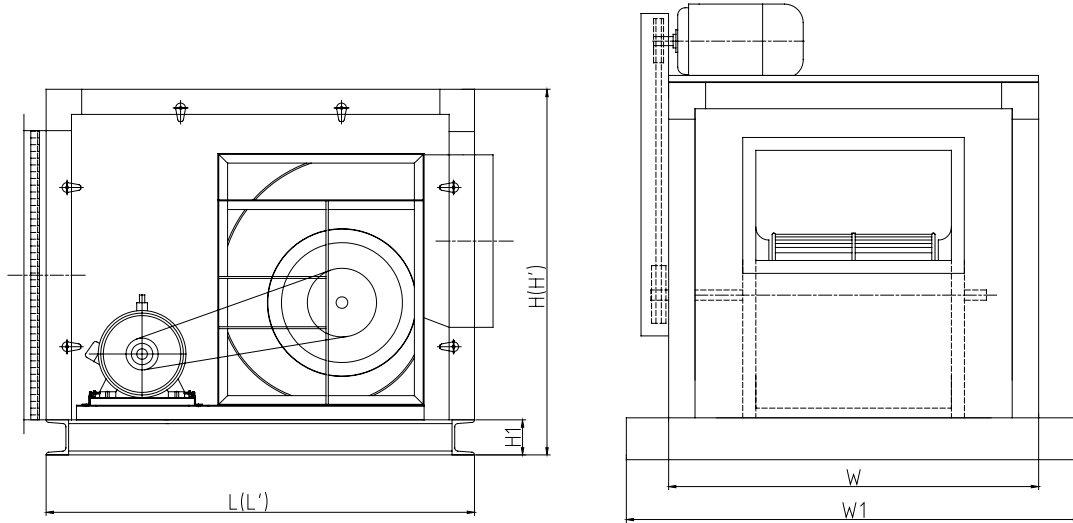
Performance Parameter List(12) of YTFX series fire fighting ventilation (dual purpose) low noise cabinet centrifugal blower.

机号 Serial number	转速 (r/min) Speed	风量(m ³ /h) Volume	全压 (Pa) Total pressure	静压 (Pa) Static pressure	电机型号 Motor Model	功率 (kW) Power	噪声db(A) Noise
NO.36	350	31491	385	339	YE2-160L-6	11	< 76
		35910	392	332			
		40113	395	320			
		44470	396	303			
		48675	392	281			
		51811	390	264			
	400	35990	504	443	YE2-200L-6	18.5	< 76
		41064	513	434			
		45843	517	419			
		50823	817	396			
		55629	512	367			
		59213	508	344			
	450	40488	638	561	YE2-200L-6	22	< 77
		46197	649	549			
		51547	654	530			
		57176	654	501			
		62582	647	464			
		66614	644	436			
	500	44987	787	692	YE2-225M-6	30	< 74
		51330	801	678			
		57304	808	654			
		63529	807	618			
		69536	799	573			
		74016	794	538			
	550	49486	952	837	YE2-280M-6	45	< 78
		56463	969	820			
		63034	977	791			
		69882	977	748			
		76490	967	693			
		81418	961	651			
	580	51283	1057	930	YE2-280M-6	45	< 80
		59286	1076	911			
		66493	1086	879			
		73690	1085	831			
		80659	1075	770			
		85855	1068	723			



YTFX系列消防通风（两用）低噪声柜式离心风机外形及尺寸

The contour and size of YTFX series of fire fighting ventilation (dual purpose) low noise cabinet centrifugal fan



机号 Serial number	高 Height			A 式长 The length of A type		B 式长 The length of B type		宽 width		出风口 Outlet		进风口 Inlet	
	H	H'	H1	L	L'	L	L'	W	W1	竖 a1	横 b1	竖 A1	横 B1
9	580	490	63	640	680	900	960	650	800	255	306	350	500
10	620	560	63	680	720	960	1000	700	850	290	333	420	550
12	720	580	63	760	800	1100	1200	750	900	341	397	440	600
15	820	710	63	880	940	1240	1340	850	1000	403	453	550	760
18	950	825	63	1000	1100	1360	1480	900	1050	479	536	670	880
20	1050	905	63	1120	1200	1580	1720	1050	1200	540	610	750	950
22	1150	1030	80	1240	1320	1700	1840	1200	1350	595	662	850	1100
25	1320	1180	80	1380	1500	1840	2050	1350	1500	665	754	1000	1200
28	1450	1265	80	1520	1650	1960	2200	1400	1550	740	830	1080	1300
30	1560	1400	100	1630	1750	2100	2360	1600	1750	800	893	1200	1400
33	1680	1500	100	1780	1920	2300	2500	1700	1850	865	970	1300	1600
36	1850	1600	100	1960	2100	2450	2650	1900	2050	940	1058	1400	1720

备注：1、H、L为风口编号1、4、5、6、7、8、9、10、11、12的外形尺寸；H'、L'为风口编号2、3的外形尺寸。

2、风机箱的宽度不包括皮带罩宽度，高度不包括电机高度。

3、电机机座号160以上的风机，电机在箱体的底侧置。

4、需要其他详细尺寸，请于我公司技术部保持联系。

Note: 1.H,L are external dimensions which register serial number is 1,4,5,6,7,8,9,10,11,12;H',L' are external dimensions which register serial number is 2,3.

2.The width of A fan box is not including the width of belt guard,the height not including the motor's.

3.The fan with more than 160 motor seat is placed on the bottom side of the box.

4.We need other detailed dimensions. Please keep in touch with our technology department.





YTFX 系列消防通风(两用)低噪声柜式离心风机使用、维护保养

The Use and Maintenance of YTFX Series Fire Fighting and Ventilation (Dual Purpose) Low Noise Cabinet Centrifugal Blower

● 风机安装使用前的检查

- 1、了解风机的规格、形式、进风口位置及相应的安装尺寸、配用电机的电力要求。
- 2、安装前应认真检查风叶及机壳有否因运输而损坏变形，检查螺栓是否紧固，否则应待修复后方可安装使用。
- 3、排烟口与排烟风机应设联锁装置，当任何一个排烟口开启时，排烟风机即能自动启动。
- 4、风机启动前，首先要检查风机及管道内有无妨碍转动的物品；检查电气线路是否完好。
- 5、安装后，定期检查风机各部件，检查轴承润滑油是否充足，以保证风机能随时启动，正常运作。
- 6、叶轮旋转方向必须与风筒的箭头标记一致。

● The Inspection Before Installation

1. Learn the specification, form, register position, corresponding installation size and power request of the matched motor.
2. Before installment, should inspect the leaf, the cabinet and the bolt carefully. If damaged, distorted or loose, install or use after repaired.
3. Interlocking device should be installed between discharge register and smoke exhaust fan, if any register is opened, the fan will start automatically.
4. Must inspect whether there is something hindering the rotation and whether electricity line is well before the blower starts.
5. Must inspect all the blower parts and the bearing grease regularly after the installment to guarantee the blower can start at any time and work normally.
6. The impeller rotation direction must be consistent with the arrow mark on wind tunnel.

风机常见故障分析

Common Breakdown Analysis

● 振动。产生的原因很多，可从下述几个方面进行检查；

- 1、因贮运变形使叶轮旋转时碰擦外壳。此时会发出异常的声音和剧烈的振动，原因是贮运过程中风机机壳或叶轮部件发生变形。
- 2、风机底脚螺栓未拧紧。
- 3、因叶轮受压变形、联接件松动、轴承损坏使叶轮动平衡破坏。

● 电机发热。则可能有下列原因之一造成：

- 1、电机轴承损坏。
- 2、电机轴与风机轮壳安装的形位公差不符合技术要求。
- 3、电源电压过低。

● Vibration. The reasons are many, may inspect from the followings.

1. The leaf scratches the outer covering when the impeller revolves for damaged or distorted at storage and transportation. At this time can make an unusual sound or a fierce vibration.
 2. The foundation bolt has not been screwed tightly.
 3. The impeller acting equilibrium may be destructed for the impeller distorted, joint loose, bearing damaged.
- ### ● The motor gets heat. Caused by the one of the following reasons
1. Motor bearing is damaged
 2. The installment common difference of the shaft and the scroll does not meet the specification.
 3. The supply voltage is too low.

维护保养

Maintenance

● 风机最好至少一年进行一次定期检修，检查轴承，消除风机内部的灰尘，污垢。

- Do a maintenance regularly once a year at least to eliminate the dust inside the fan.

SJG斜流风机

SJG Oblique Flow Fan

结构型式

Structure pattern

SJG斜流风机应用子午加速理论,设计了斜流叶轮和鼓腹形锥筒外壳,使风机子午平面上的气流得以加速,静压梯度减小,从而避免或减少了气流脱体,提高了压力系数和风机效率,降低了噪声。

SJG斜流风机的压力系数高于轴流式风机,流量系数高于离心式风机,这种独特的空气动力特性,使其最适合于通风管道的加压和送排风,而离心式风机和轴流式风机则往往不适宜在这种场合使用。在相同的现场条件下,用SJG斜流风机替代低压离心式风机和高压轴流式风机,可大量减少消声措施的采用。

SJG斜流风机共有12个机号,27种规格。风量覆盖面达到 $100\text{m}^3/\text{h}\sim 50000\text{m}^3/\text{h}$,静压覆盖面达到 $20\text{Pa}\sim 1100\text{Pa}$,为用户提供了一个宽阔的选择余地,可满足不同工程的选用需要。

The SJG oblique flow fan applies Ziwu Acceleration Theory, oblique flow impeller and drum awl tube cabinet. Makes the current on the Ziwu plane accelerate, reduces the static pressure gradient, thus avoids and reduces the current detach, enhances the pressure coefficient and machine efficiency, reduces the noise.

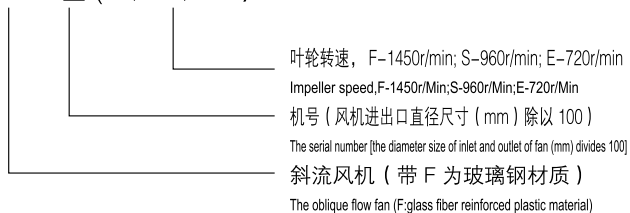
The pressure coefficient of the SJG oblique flow fan is higher than the axial one, the discharge coefficient is higher than the centrifugal one. This kind of unique aerodynamic characteristic, lets it suit in the ventilating duct pressurization and deliver or exhaust fan, however, the centrifugal and the axial is not suitable in this kind of situation. Under the same condition, using the SJG oblique flow fan to substitute the low pressure centrifugal fan and high pressure axial one may massively reduce the usage of noise elimination measure.

The SJG oblique flow fan has 12 serial numbers, 27 kinds of specifications altogether. The volume covers $100\text{m}^3/\text{h}\sim 50000\text{m}^3/\text{h}$, the static pressure covers $20\text{Pa}\sim 1100\text{Pa}$, provides a broad choice for the users, may satisfy the different projects.

型号表示

Model expression

SJG- □ (F、S、E)



型号示例:

SJG-N₂5F (叶轮转速1450r/min)斜流风机

SJG-5F N₂5F消声型斜流风机

SJG-5 N₂5双速型斜流风机

SJG-5 N₂5双速消声型斜流风机

注: 用户在设计图纸和定货清单中应按此型号表示方法表明所需风机的型号和规格。

Model demonstration: SJG-N₂5F (impeller speed 1450r/Min) oblique flow fan

SJG-5F N₂5F noise elimination oblique flow fan

SJG-5 N₂5 double speed oblique flow fan

SJG-5 N₂5 double speed noise elimination oblique flow fan

Note: Users should express model and specification of the fan in the designed paper and the ordered merchandise list.

适用场合

Suitable situation

SJG斜流风机的直线形结构,使其进风口和出风口位于同一条轴线上,安装方便灵活,根据风管系统的情况,可布置在风管的中间,也可布置在风管的进口或出口。对于狭小的安装空间,尤其显示出其结构紧凑的优越性。SJG斜流风机适合于各类民用和工业建筑中风道系统的加压、送风和排风及一般通风换气。在需要设置消防排烟系统的高层建筑和其它建筑中,作为防烟楼梯间和前室的正压送风机,可使火灾发生时楼梯间和前室保持必要的正压,保证人员的安全疏散。

The linear structure of the SJG oblique flow fan makes its inlet and outlet locate on the identical spool thread, the installment convenience. According to the air pipe situation, may be arranged in the middle of the pipe, or at the inlet and outlet. Especially at the narrow and small installment space, demonstrates its superiority of compact structure. The SJG oblique flow fan suits in pressurization, intake, exhausting and general taking a breath in each kind of civil and industry architecture. In the high or other building which needs to establish fire fighting smoke exhaust system, the positive pressure fan located in stair hall or first room will maintain an essential positive pressure, make sure the people escape safely.

执行标准

Standard Carried out

GB/T 1236 《工业通风机用标准化风道进行性能试验》

GB/T 2888 《风机和罗茨鼓风机噪声测量方法》

JB/T 4364 《风机配套消声器性能试验方法》

GB/T 1236 "Industry Fan, Performance Test through Standardized Air Pipe"

GB/T 2888 "Air Blower and Luo Tribulus Air Blower Noise Measurement Method"

JB/T 4364 "Air Blower Necessary Silencer Performance Test Method"





SJG斜流风机技术参数表

Parameter list of SJG oblique fan

机号 No Serial number	转速 r/min Speed	工况 Operating mode	风量 m ³ /h Volume	静压 Pa Static pressure	功率 kW Power	出口噪声 dB(A) Outlet noise
2F	1450	1	300	90	0.04	59
		2	400	80		
		3	500	75		
		4	600	70		
		5	700	50		
2.5F	1450	1	600	150	0.12	62
		2	800	140		
		3	900	130		
		4	1100	120		
		5	1400	65		
3F	1450	1	800	230	0.25	65
		2	1000	210		
		3	1350	205		
		4	1800	175		
		5	2200	130		
3.5S	960	1	800	140	0.18	64
		2	1000	130		
		3	1400	125		
		4	1800	110		
		5	2200	80		
3.5F	1450	1	1200	320	0.37	70
		2	1600	290		
		3	2000	270		
		4	2800	240		
		5	3600	180		
4S	960	1	1200	185	0.25	65
		2	1600	170		
		3	2000	160		
		4	2800	140		
		5	3400	115		
4F	1450	1	1800	420	0.75	74
		2	2400	380		
		3	3000	370		
		4	4200	310		
		5	5100	240		
4.5S	960	1	1600	240	0.37	69
		2	2200	210		
		3	3000	205		
		4	4000	160		
		5	5000	130		
4.5F	1450	1	2500	530	1.1	76
		2	3400	480		
		3	4500	470		
		4	6000	380		
		5	8000	220		
5S	960	1	2200	285	0.75	73
		2	3000	260		
		3	4000	250		
		4	5500	205		
		5	7000	160		

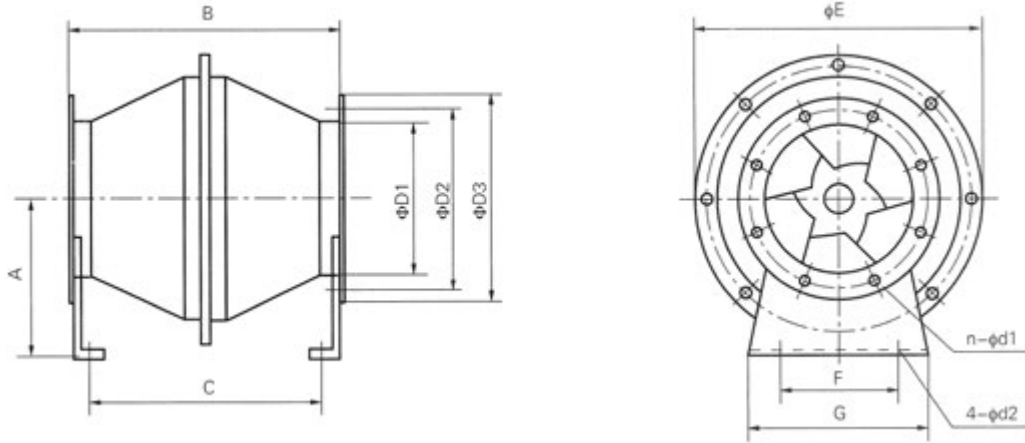
机号 No Serial number	转速 r/min Speed	工况 Operating mode	风量 m ³ /h Volume	静压 Pa Static pressure	功率 kW Power	出口噪声 dB(A) Outlet noise
5F	1450	1	3300	660	2.2	79
		2	4600	600		
		3	6000	560		
		4	8000	500		
		5	10000	380		
6E	720	1	2800	240	1.1	74
		2	3800	220		
		3	4800	210		
		4	7500	160		
		5	9000	100		
6S	960	1	3800	410	1.5	78
		2	5400	380		
		3	7000	360		
		4	9000	320		
		5	12000	140		
6F	1450	1	5700	980	5.5	86
		2	8000	860		
		3	9000	840		
		4	15000	680		
		5	19000	380		
7E	720	1	4500	300	2.2	79
		2	6000	295		
		3	9000	260		
		4	13000	215		
		5	16000	120		
7S	960	1	6000	580	3	83
		2	8000	520		
		3	12000	465		
		4	18000	360		
		5	21000	240		
8E	720	1	7000	420	4	82
		2	9000	390		
		3	11000	360		
		4	18000	280		
		5	2300	180		
8S	960	1	9000	740	7.5	87
		2	12000	680		
		3	15000	640		
		4	25000	510		
		5	33000	300		
9E	720	1	10000	520	5.5	90
		2	13000	500		
		3	20000	420		
		4	26000	360		
		5	33000	200		
10E	720	1	13000	650	11	93
		2	17000	600		
		3	23000	560		
		4	35000	470		
		5	46000	280		



SJG斜流风机技术参数表

Parameter list of SJG oblique fan

机号 No Serial number	转速 r/min Speed	工况 Operating mode	风量 m ³ /h Volume	静压 Pa Static pressurez	功率 kW Power	出口噪声 dB(A) Outlet noise	机壳噪声 dB(A) Cabinet noise	重量 kg Weight
3.5	1450	1	800	230	0.37	70	61	42
		2	1000	210				
		3	1350	205				
		4	1800	175				
		5	2200	130				
	960	1	800	140	0.18	64	56	40
		2	1000	130				
		3	1400	125				
		4	1800	110				
		5	2200	80				
4	1450	1	1800	420	0.75	74	63	62
		2	2400	380				
		3	3000	370				
		4	4200	310				
		5	5100	240				
	960	1	1200	185	0.25	65	57	59
		2	1600	170				
		3	2000	160				
		4	2800	140				
		5	3400	115				
4.5	1450	1	2500	530	1.1	76	65	78
		2	3400	480				
		3	4500	470				
		4	6000	380				
		5	8000	220				
	960	1	1600	240	0.37	69	59	75
		2	2200	210				
		3	3000	205				
		4	4000	160				
		5	5000	130				
5	1450	1	3300	660	2.2	79	67	100
		2	4600	600				
		3	6000	560				
		4	8000	500				
		5	10000	380				
	960	1	2200	285	0.75	73	63	96
		2	3000	260				
		3	4000	250				
		4	5500	205				
		5	7000	160				
6	1450	1	5700	980	5.5	86	73	165
		2	8000	860				
		3	9000	840				
		4	15000	680				
		5	19000	380				
	960	1	3800	410	1.5	78	66	160
		2	5400	380				
		3	7000	360				
		4	9000	320				
		5	12000	140				
7	960	1	6000	580	3	83	71	210
		2	8000	520				
		3	12000	465				
		4	18000	360				
		5	21000	240				
	720	1	4500	300	2.2	79	67	204
		2	6000	295				
		3	9000	260				
		4	1300	215				
		5	16000	120				
8	960	1	9000	740	7.5	87	73	360
		2	12000	680				
		3	15000	640				
		4	25000	510				
		5	33000	300				
	720	1	7000	420	4	82	70	352
		2	9000	390				
		3	11000	360				
		4	18000	280				
		5	23000	180				



SJG、SJG-S斜流风机外形和安装尺寸表 (mm)

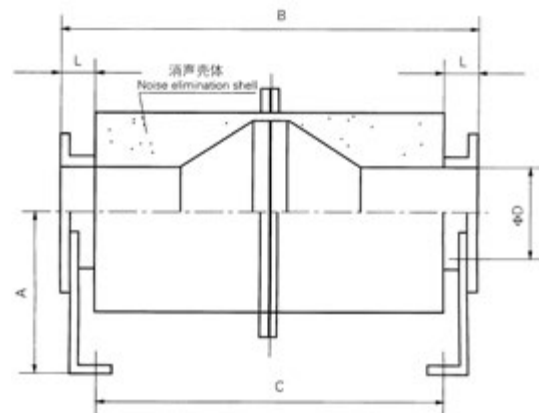
Contour and installation table of SJG,SJG-S oblique flow fan

机号 Serial number	A	B	C	D1	E	D3	G	F	d2
2	175	320	250	200	340	250	180	115	10.5
2.5	230	370	325	250	445	310	225	170	10.5
3	260	460	400	300	510	370	270	200	10.5
3.5	295	520	460	350	580	420	315	200	10.5
4	335	600	535	400	660	480	360	230	12.5
4.5	375	690	610	450	740	530	405	310	12.5
5	415	770	685	500	815	600	450	390	14.5
6	500	910	835	600	990	710	540	445	14.5
7	585	1000	970	700	1080	820	630	530	16.5
8	665	1140	1120	800	1240	930	700	580	16.5
9	720	1340	1260	900	1425	1040	810	650	18.5
10	795	1490	1410	1000	1569	1140	900	740	18.5

SJG-X消声型斜流风机外形和安装尺寸表 (mm)

Contour and installation table of SJG-X noise elimination oblique flow fan

机号 Serial number	A	B	C	D	L
2	225	620	570	200	25
2.5	270	700	650	250	25
3	310	800	750	300	30
3.5	345	870	810	350	30
4	385	980	920	400	30
4.5	425	1090	1030	450	40
5	475	1200	1140	500	40
6	560	1420	1360	600	40
7	655	1640	1570	700	50
8	735	1860	1790	800	50
9	790	2080	2000	900	50
10	865	2300	2220	1000	50

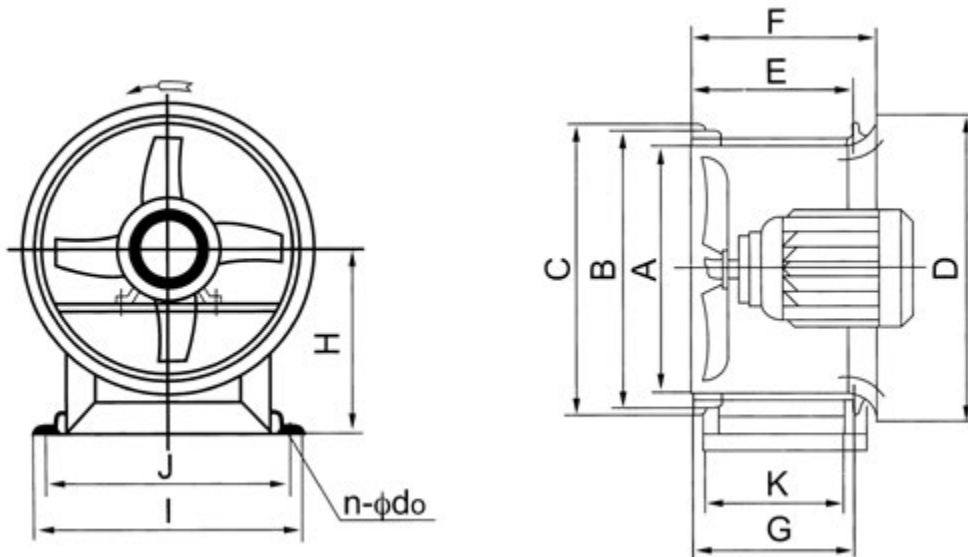


注：SJG-X消声器斜流风机还可根据用户对降低噪声的要求，配置非标准尺寸的消声壳体，以达到工程现场的噪声控制指标。

本系列风机一般不在法兰上打孔，打孔需订货时注明，敬请客户注意。

Note: According to the user's noise reduction requests, the SJG-X silencer oblique flow fan may provide non-standard noise elimination shell, in order to achieve the noise control target of the project site.

Fans in this series generally do not have holes punched on the flanges. If hole punching is required, please specify when ordering. Customers are kindly advised to take note.



FT 30 - 11型玻璃钢轴流风机

FT30-11 Glass Reinforced Plastic Axial Fan

FT30-11型玻璃钢轴流风机是一种结构简单、噪音较小的低压轴流通风机。可用作对厂房、仓库、办公室、住宅内通风换气或加强暖气散热之用，也可在较长的排气管道内间隔串联安装，以提高管道中的全压。风机最大的优点可在有腐蚀性气体环境中工作，与同型号钢板材料轴流风机相比，耗电量下降25%-35%。

该风机的叶轮直径由300-1000毫米，依叶轮直径的大小分为No3、4、5、6、7、8、9、10等8种机号；每一机号叶轮的叶片数为4片。叶片又可装成15°、20°、25°、30°、35°等5种角度，风机可以在叶轮周速不超过60米/秒的条件下选择电机转数。

风机主要由叶轮、机壳、集风器三部分组成。叶轮、机壳、集风器均用玻璃钢制成。

注：配用电机为三相。

The FT30-11 glass reinforced plastic axial fan is a kind of simple structure, small noise and low pressure one. May be used in taking a breath in workshop, warehouse, office, housing or strengthening warm air radiation, also be installed in line in long exhaust pipeline to enhance the total pressure of the pipeline. Its biggest merit may be working in the caustic gas environment, and the power consumption drops 25%-35% compared with the same model steel plate axial one.

The impeller diameter of this fan is 300-1000mm, is divided into 8 kinds of serial numbers such as No3, 4, 5, 6, 7, 8, 9, 10 and so on according to the impeller diameter; The leaf number of each serial number impeller is 4 pieces. The leaf blade may be fitted out 5 kinds of angles such as 15°, 20°, 25°, 30°, 35° and so on, can choose the motor speed under 60m/s of the impeller speed.

The fan is mainly composed of the impeller, the cabinet, the collection wind concentrator three parts. They are all made of glass fiber reinforced plastic.

Note: Matched motor is three-phase one.

外型及安装尺寸

The contour and installation size

机号 NO Serial number	尺寸(mm)Size											连接孔 Connection hole		地基孔 Foundation hole		重量 kg Weight	地脚螺栓 Foot bolt
	A	B	C	D	E	F	G	H	I	J	K	个数 Number	直径 Diameter	个数 Number	直径 Diameter		
3	303	335	355	360	150	170	146	210	320	295	117	6	7	4	12	5	M10 × 250
4	404	440	470	500	215	250	210	280	437	405	170	6	9	4	12	7	
5	505	540	570	620	235	280	230	340	532	500	175	6	9	4	12	10	
6	606	650	680	730	294	350	290	420	625	590	235	6	9	4	12	13	
7	707	750	792	855	330	393	322	470	720	680	270	8	12	4	15	20	M12 × 320
8	808	860	893	975	425	500	415	550	885	840	325	8	12	4	19	40	M16 × 400
9	909	970	1010	1090	445	525	435	610	965	910	365	12	15	4	19	45	
10	1010	1070	1110	1210	480	570	470	670	1050	990	400	12	15	4	19	60	



FT30-11型轴流风机性能表

Performance chart of FT30-11 axial fan

机号 NO Serial number	叶轮 Impeller			主轴转速 (r/min) Speed of main axle	叶片数4 Quantity of leaves							
	直径 (mm) Diameter	当量面积 ($\pi D^2/4$) Equivalent area (m ²)	周速 (m/s) Periphery speed		叶片角度 ϕ Blade angle		流量系数 Q Discharge coefficient			压力系数 H Innumerable pressure		
					10	15	0.13	0.15	0.055	0.070		
					20	25	0.21	0.25	0.070	0.075		
30	35	0.29	0.35	0.078	0.080							
叶片角度 Blade angle	流量 (m ³ /h) Current capacity	全压 (Pa) Total pressure	效率 Efficiency	轴功率 (kW) Shaft power	所需功率 (kW) Necessary power	采用电动机 Adopted motor						
型号 Model	功率 (kW) Power											
3	300	43.8	43.8	2900	15	1780	165	0.67	0.12	0.14	AO ₂ -6312 AO ₂ -6312 AO ₂ -7112 AO ₂ -7122	0.18 0.25 0.37 0.55
					20	2340	165	0.66	0.16	0.186		
					25	2780	176	0.64	0.208	0.24		
					30	3230	188	0.61	0.264	0.31		
					35	3670	188	0.56	0.366	0.39		
	21.8	21.8	1450	15	890	40	0.67	0.0145	0.017	AO ₂ -5614	0.06	
	20	1170	40	0.66	0.0193	0.022						
	25	1390	44	0.64	0.026	0.03						
	30	1610	45	0.61	0.0324	0.0375						
	35	1830	46	0.56	0.041	0.046						
4	400	58.5	58.5	2900	15	4250	293	0.67	0.506	0.58	Y801-2 Y80-2 Y80-2 Y90S-2 Y90L-2	0.75 1.1 1.1 1.5 2.2
					20	5570	293	0.66	0.78	0.8		
					25	6640	314	0.64	0.89	1.02		
					30	7700	326	0.61	1.13	1.3		
					35	8750	334	0.56	1.43	1.65		
	29.5	29.5	1450	15	2140	74	0.67	0.0645	0.075	A02-7114 A02-6324 A02-7124	0.09 0.18 0.25	
	20	2810	74	0.66	0.086	0.1						
	25	3340	80	0.64	0.114	0.131						
	30	3880	83	0.61	0.144	0.165						
	35	4410	85	0.56	0.183	0.21						
5	500	36.8	36.8	1450	15	4150	116	0.67	0.197	0.23	A02-7114 A02-7124 Y801-4 Y801-4 Y802-4	0.25 0.37 0.55 0.55 0.75
					20	5450	116	0.66	0.261	0.3		
					25	6500	124	0.64	0.343	0.395		
					30	7500	129	0.61	0.435	0.5		
					35	8550	133	0.56	0.555	0.65		
	25.2	25.2	960	15	2780	52	0.67	0.059	0.068	Y90S-6	0.75	
	20	3640	52	0.66	0.0785	0.09						
	25	4340	56	0.64	0.104	0.12						
	30	5040	58	0.61	0.131	0.15						
	35	5730	59	0.56	0.165	0.19						
6	600	45.5	45.5	1450	15	7250	170	0.67	0.5	0.575	Y802-4 A02-7124 Y90S-4 Y90L-4 Y90L-4	0.75 0.75 1.1 1.5 1.5
					20	9500	170	0.66	0.67	0.77		
					25	11300	182	0.64	0.875	1.01		
					30	13150	189	0.61	1.11	1.16		
					35	15000	194	0.56	1.42	1.48		
	30.2	30.2	960	15	4800	75	0.67	0.147	0.17	Y90S-6	0.75	
	20	6300	75	0.66	0.195	0.225						
	25	7300	80	0.64	0.255	0.295						
	30	8700	83	0.61	0.322	0.37						
	35	9900	85	0.56	0.41	0.47						
7	700	53.1	53.1	1450	15	11500	232	0.67	1.09	1.25	Y90L-4 Y100L-4 Y100L-4 Y100L-4 Y112M-4	1.5 2.2 2.2 3 4
					20	15100	232	0.66	1.45	1.67		
					25	18000	248	0.64	1.91	2.2		
					30	20900	258	0.61	2.42	2.8		
					35	23800	264	0.56	2.06	3.5		
	35.3	35.3	960	15	7650	95	0.67	0.296	0.34	Y90S-6 Y90L-6	0.75 1.1	
	20	10100	95	0.66	0.396	0.465						
	25	12000	100	0.64	0.512	0.59						
	30	13600	105	0.61	0.655	0.75						
	35	15800	107	0.56	0.825	0.95						
8	800	60.7	60.7	1450	15	17300	300	0.67	2.11	2.43	Y100L-4 Y112M-4 Y132S-4 Y132M-4	3 4 4.5 5.5 7.5
					20	22700	300	0.66	2.80	3.25		
					25	17000	320	0.64	3.08	4.25		
					30	36800	330	0.61	4.62	5.3		
					35	45600	340	0.56	5.90	6.8		
	40.2	40.2	960	15	11400	133	0.67	0.616	0.74	Y90L-6 Y90L-6 Y100L-6 Y100L-6 Y112M-6	1.1 1.1 1.5 1.5 2.2	
	20	14900	133	0.66	0.82	0.94						
	25	17800	142	0.64	1.08	1.25						
	30	20600	148	0.61	1.36	1.56						
	35	23500	152	0.56	1.74	2.0						
9	900	45.2	45.2	960	15	16200	168	0.67	1.11	1.28	Y100L-6 Y112M-6 Y112M-6 Y132S-6 Y132M-6	1.5 2.2 3 4
					20	21200	168	0.66	1.47	1.7		
					25	25200	180	0.64	1.93	2.22		
					30	29300	187	0.61	2.45	2.82		
					35	53400	190	0.56	3.1	3.6		
10	1000	50.2	50.2	960	15	22600	210	0.67	1.93	2.22	Y132S-6 Y132S-6 Y132M-6 Y132M-6 Y160M-6	3 3 4 5.5 7.5
					20	29700	210	0.66	2.58	3.0		
					25	35400	230	0.64	3.46	4.0		
					30	41000	240	0.61	4.4	5.05		
					35	46700	247	0.56	5.6	6.45		

T35轴流通风机

T35 Axial Fan

FT35防腐轴流通风机

FT35 Non-corrosive Axial Fan

BT35防爆轴流通风机

BT35 Explosion-proof Axial Fan

BFT35防爆阻燃轴流通风机

BFT35 Explosion-proof and Flame-resistant Axial Fan



结构型式

Structure pattern

T35、DZ型系列轴流通风机通过模型试验研究，确定了风机翼型，采用了圆筒型轮毂结构，电动机进行了改型设计，结构上减少了流动损失，因而使风机效率按出口圆面积计算提高到77%，按出口环面积计算提高到89.5%，比A声级降低了3.6dB。

T35、DZ型系列轴流通风机按叶轮直径共分为13个机号，依次排列为№2.8、3.15、3.55、4、4.5、5、5.6、6.3、7.1、8、9、10、11.2。每1个机号又分为15°、20°、25°、30°、35°等5种叶片安装角度。

T35、DZ型轴流通风机各机号均采用叶轮与电动机直联结构。在叶轮圆周速度不超过60m/s条件下配用3种转速：2900、1450、960r/min，进气方向在叶轮一侧。

FT35、DZ-F型轴流通风机是T35型轴流通风机的派生系列产品，是防腐型风机。由玻璃钢材料制造，金属零部件喷防腐层，可有效防止风机各个部位遭受侵蚀。

BFT35、DZ-BF型轴流通风机也是T35型轴流通风机的派生系列产品，是防爆场合的专用风机。配备防爆电动机，关键零部件覆以防静电表层或采用有色金属制造，可有效防止产生摩擦静电和电器部件的电火花泄露。

FT35、DZ-F型轴流通风机的性能和外形尺寸与T35型轴流通风机一致。BFT35、DZ-BF型轴流通风机的性能与T35型轴流通风机的性能有所差别，外形尺寸一致。

注：配用电机为三相。

适用场合

Suitable situation

T35、DZ型轴流通风机适合于各类民用和工业建筑的通风换气 and 送排风。

FT35、DZ-F型防腐轴流通风机适宜于在化工厂、实验室、地下室、浴池等场合安装使用，输送带腐蚀性气体、含酸碱性气体和高湿度气体。

BFT35、DZ-BF型防爆轴流通风机是防爆专用风机，适宜于在燃油燃气锅炉房，高浓度粉尘车间、油库、储气站、易爆物品存放仓库等有防爆要求的场合安装使用，可输送具有易燃、易爆和易挥发性质的气体。

执行标准

Standard carried out

GB/T 1236《工业通风机用标准化风道进行性能试验》(等同ISO 5801:1997)

GB/T 2888《风机和罗茨鼓风机噪声测量方法》

Through model experiment,the wing model of T35,DZ series of axial fan has been determined to be cylinder wheel hub structure.The modification design has been carried on,flow loss reduced in the structure,thus fan efficiency has been increased 77% in the terms of outlet round area,89.5% outlet circle area.The A sound level has been reduced 3.6db.The T35,DZ series axial fan is divided into 13 serial numbers altogether.According to the impeller diameter,arranges for № 2.8,3.15,3.55,4,4.5,5,5.6,6.3,7.1,8,9,10,11.2 in turn.Every serial number is divided into 5 kinds of blade installation angle such as 15°,20°,25°,30°,35° and so on.

All kinds of T35,DZ axial fan are adopted straight jointed structure of the impeller and the motor.Under 60m/in of the impeller's velocity,there are 3 kinds of rotational speeds to be matched,2900,1450 and 960r/Min.

FT35,DZ-F axial fan is a derivation product from T35,made of glass fiber reinforced plastic material.Its metal parts are covered by anticorrosion level,and prevent corrosion effectively.BFT35,DZ-BF axial fan is a derivation product from T35 too,is a special-purpose one against explosion situation. It has explosion-proof electrical machinery,the essential spare part uses the static electricity surface layer or the non-ferrous metal,can prevent friction static electricity and electric spark effectively.

The performance and the external dimensions of FT35,DZ-F axial fan are consistent with the T35.The performance of BFT35,DZ-BF axial fan and the T35 have a difference,but the external dimensions are consistent.

Note:The matched motor is three-phases one.

The T35,DZ axial fan suits in ventilation,deliver or exhaust in all kinds of civil and industry architectures.

The FT35,DZ-F anticorrosion axial fan is suitable in chemical plant,laboratory,basement,bathing pool and so on,to convey caustic,acid or alkali and high-moisture gas.

BFT35,DZ-BF explosion-proof axial fan is suitable in boiler (oil or gas as fuel),highly concentrated dust workshop,fuel depot,gas storage stands,high explosive cargo warehouse and so on,this situation has the explosion-proof request.

GB/T1236"Industry Ventilator,Performance Test through Standardized Air Pipe"(to equate ISO5801:1,997)

GB/T2888"Air Blower and Luo Tribulus Air Blower Noise Measurement Method"



T35、FT35轴流风机性能表

Performance chart of the T35,FT35 axial fan

机号 Serial number	叶轮直径 (mm) Impeller diameter	叶轮周速 (m/s) Impeller periphery speed	主轴转速 (r/min) Main shaft speed	叶片角度 Blade angle	风量 (m³/h) Volume	全压 (Pa) Total pressure	全压效率 Total pressure efficiency	需用轴功率 (kw) Needed shaft power	采用轴功率 (kw) Used shaft power	配用电动机 Matched motor		
										型号 Model	功率 (kw) Power	
2.8	280	42.5	2900	15	1649	155	0.87	0.080	0.092	型号	0.120	
				20	2167	172	0.88	0.115	0.133	YSF56 ₂ -2	0.180	
				25	2685	177	0.895	0.145	0.166	YSF63 ₁ -2	0.180	
				30	2921	190	0.88	0.170	0.197	YSF63 ₁ -2	0.180	
				35	3202	237	0.86	0.240	0.276	YSF63 ₂ -2	0.250	
		21.3	1450	15	826	39	0.87	0.010	0.010	0.012	YSF50 ₁ -4	0.025
				20	1086	44	0.88	0.015	0.017	YSF50 ₁ -4	0.025	
				25	1346	45	0.895	0.018	0.021	YSF50 ₁ -4	0.025	
				30	1464	49	0.88	0.022	0.026	YSF50 ₂ -4	0.040	
				35	1605	61	0.86	0.031	0.036	YSF50 ₂ -4	0.040	
3.15	315	47.8	2900	15	2339	196	0.87	0.144	0.166	YSF63 ₁ -2	0.180	
				20	3074	218	0.88	0.207	0.238	YSF63 ₂ -2	0.250	
				25	3810	224	0.895	0.259	0.298	YSF71 ₁ -2	0.370	
				30	4141	242	0.88	0.309	0.355	YSF71 ₁ -2	0.370	
				35	4545	300	0.86	0.430	0.495	YSF71 ₂ -2	0.550	
		23.9	1450	15	1169	49	0.87	0.018	0.018	0.021	YSF50 ₁ -4	0.025
				20	1537	54	0.88	0.026	0.030	YSF50 ₂ -4	0.040	
				25	1905	56	0.895	0.032	0.037	YSF50 ₂ -4	0.040	
				30	2072	60	0.88	0.039	0.045	YSF56 ₁ -4	0.060	
				35	2273	75	0.86	0.053	0.061	YSF56 ₂ -4	0.090	
3.55	355	53.9	2900	15	3367	246	0.87	0.261	0.300	YSF71 ₁ -2	0.370	
				20	4426	277	0.88	0.379	0.436	YSF71 ₂ -2	0.550	
				25	5484	284	0.895	0.473	0.544	YSF71 ₂ -2	0.550	
				30	5965	306	0.88	0.564	0.649	YSF71 ₃ -2	0.750	
				35	6542	380	0.86	0.787	0.905	YSF80 ₂ -2	1.1	
		27.0	1450	15	1680	62	0.87	0.033	0.033	0.038	YSF50 ₂ -4	0.040
				20	2208	69	0.88	0.047	0.054	YSF56 ₁ -4	0.060	
				25	2737	71	0.895	0.059	0.068	YSF56 ₂ -4	0.090	
				30	2977	76	0.88	0.070	0.081	YSF56 ₂ -4	0.090	
				35	3265	95	0.86	0.098	0.113	YSF63 ₁ -4	0.120	
4	400	60.7	2900	15	4806	316	0.87	0.475	0.546	YSF71 ₂ -2	0.550	
				20	6316	352	0.88	0.688	0.791	YSF80 ₂ -2	1.1	
				25	7826	361	0.895	0.859	0.988	YSF80 ₂ -2	1.1	
				30	8513	388	0.88	1.021	1.175	YSF80 ₂ -2	1.1	
				35	9336	483	0.86	1.427	1.641	YT90 ₃ -2	1.5	
		30.4	1450	15	2406	79	0.87	0.059	0.059	0.068	YSF56 ₂ -4	0.090
				20	3163	88	0.88	0.086	0.099	YSF63 ₁ -4	0.120	
				25	3920	90	0.895	0.07	0.123	YSF63 ₁ -4	0.120	
				30	4263	97	0.88	0.128	0.147	YSF63 ₂ -4	0.180	
				35	4676	121	0.86	0.179	0.206	YSF71 ₁ -4	0.250	
4.5	450	34.2	1450	15	3427	100	0.87	0.107	0.123	YSF63 ₁ -4	0.120	
				20	4504	112	0.88	0.156	0.179	YSF63 ₂ -4	0.180	
				25	5581	115	0.895	0.195	0.224	YSF71 ₁ -4	0.250	
				30	6070	123	0.88	0.231	0.266	YSF71 ₂ -4	0.370	
				35	6678	153	0.86	0.322	0.370	YSF71 ₂ -4	0.370	
5	500	38.0	1450	15	4700	124	0.87	0.182	0.21	YSF71 ₁ -4	0.250	
				20	6178	138	0.88	0.264	0.303	YSF71 ₂ -4	0.370	
				25	7655	141	0.895	0.328	0.370	YSF71 ₂ -4	0.370	
				30	8327	152	0.88	0.392	0.450	YSF80 ₁ -4	0.550	
				35	9133	189	0.86	0.546	0.628	YSF80 ₂ -4	0.750	
		25.1	960	15	3142	54	0.87	0.058	0.058	0.061	YSF80 ₁ -6	0.370
				20	4129	60	0.88	0.076	0.088	YSF80 ₁ -6	0.370	
				25	5117	62	0.895	0.096	0.111	YSF80 ₁ -6	0.370	
				30	5566	66	0.88	0.114	0.131	YSF80 ₁ -6	0.370	
				35	6104	83	0.86	0.160	0.184	YSF80 ₁ -6	0.370	



T35、FT35轴流风机性能表

Performance chart of the T35,FT35 axial fan

机号 Serial number	叶轮直径 (mm) Impeller diameter	叶轮周速 (m/s) Impeller periphery speed	主轴转速 (r/min) Main shaft speed	叶片角度 Blade angle	风量 (m ³ /h) Volume	全压 (Pa) Total pressure	全压效率 Total pressure efficiency	需用轴功率 (kw) Needed shaft power	采用轴功率 (kw) Used shaft power	配用电机 Matched motor		
										型号 Model	功率 (kw) Power	
5.6	560	42.5	1450	15	6595	154	0.87	0.318	0.365	YSF71 ₂ -4	0.370	
				20	8667	172	0.88	0.461	0.530	YSF80 ₁ -4	0.550	
				25	10739	177	0.895	0.578	0.665	YSF80 ₂ -4	0.750	
				30	11689	190	0.88	0.687	0.790	YT90S-4	1.1	
				35	12812	237	0.86	0.961	1.1	YT90S-4	1.1	
		28.1	960	15	4360	68	0.87	0.093	0.106	0.106	YT90S-4	0.370
				20	5730	75	0.88	0.133	0.153	0.153	YSF80 ₁ -6	0.370
				25	7101	77	0.895	0.166	0.191	0.191	YSF80 ₁ -6	0.370
				30	7724	83	0.88	0.198	0.228	0.228	YSF80 ₁ -6	0.370
				35	8471	103	0.86	0.276	0.318	0.318	YSF80 ₁ -6	0.370
6.3	630	47.8	1450	15	9393	196	0.87	0.576	0.662	YSF80 ₁ -4	0.75	
				20	12345	218	0.88	0.833	0.958	YT90S-4	1.1	
				25	15297	224	0.895	1.043	1.199	YT90L-4	1.5	
				30	16639	241	0.88	1.241	1.427	YT90L-4	1.5	
				35	18250	300	0.86	1.734	1.994	YT100L-4	2.2	
		31.7	960	15	6219	86	0.87	0.167	0.192	0.192	YSF80 ₁ -6	0.370
				20	8173	96	0.88	0.243	0.249	YSF80 ₁ -6	0.370	
				25	10128	98	0.895	0.302	0.347	YSF80 ₁ -6	0.370	
				30	11016	106	0.88	0.361	0.415	YT90S-6	0.750	
				35	12082	131	0.86	0.501	0.576	YT90S-6	0.750	
7.1	710	53.9	1450	15	13444	249	0.87	1.048	1.205	YT90L-4	1.5	
				20	17670	277	0.88	1.515	1.742	YT100L ₁ -4	2.2	
				25	21895	284	0.895	1.892	2.176	YT100L ₁ -4	2.2	
				30	23815	306	0.88	2.255	2.593	YT100L ₂ -4	3	
				35	26120	380	0.86	3.143	3.614	YT112M-4	4	
		36.7	960	15	8902	110	0.87	0.307	0.353	0.353	YT90S-6	0.75
				20	11700	122	0.88	0.442	0.508	YT90S-6	0.75	
				25	14498	125	0.895	0.551	0.633	YT90S-6	0.75	
				30	15769	134	0.88	0.654	0.752	YT90S-6	0.75	
				35	17296	167	0.86	0.915	1.052	YT90L-6	1.1	
8	800	60.7	1450	15	19235	316	0.87	1.903	2.188	YT100L ₁ -4	2.2	
				20	25280	352	0.88	2.754	3.167	YT112M-4	4	
				25	31325	361	0.895	3.441	3.957	YT112M-4	4	
				30	34078	388	0.88	4.091	4.705	YT132S-4	5.5	
				35	37370	483	0.86	5.716	6.573	YT132M-4	7.5	
		40.2	960	15	12733	139	0.87	0.554	0.637	0.637	YT90S-6	0.75
				20	16735	154	0.88	0.798	0.918	YT90L-6	1.1	
				25	20737	158	0.895	0.999	1.149	YT100L-6	1.5	
				30	22556	170	0.88	1.187	1.365	YT100L-6	1.5	
				35	24739	212	0.86	1.661	1.910	YT122M-6	2.2	
9	900	45.2	960	15	18132	175	0.87	0.99	1.139	YT100L-6	1.5	
				20	23830	195	0.88	1.428	1.645	YT122M-6	2.2	
				25	29529	200	0.895	1.797	2.067	YT132S-6	3	
				30	32119	215	0.88	2.137	2.458	YT132S-6	3	
				35	35227	268	0.86	2.990	3.439	YT132M1-6	4	
10	1000	50.3	960	15	24874	217	0.87	1.690	1.944	YT112M-6	2.2	
				20	32691	241	0.88	2.438	2.804	YT132S-6	3	
				25	40508	247	0.895	3.044	3.504	YT132M ₁ -6	4	
				30	44062	266	0.88	3.627	4.171	YT132M ₁ -6	4	
				35	48326	331	0.86	5.060	5.825	YT160M-6	7.5	
11.2	1100	56.3	960	15	34944	272	0.87	2.975	3.421	YT132M ₁ -6	4	
				20	45927	303	0.88	4.307	4.953	YT132M ₂ -6	5.5	
				25	56909	310	0.895	5.368	6.173	YT160M-6	7.5	
				30	61901	344	0.88	6.571	7.557	YT160M-6	7.5	
				35	67892	415	0.86	8.922	10.260	YT160L-6	11	



BT35、BFT35防爆轴流通风机性能表

Performance chart of the BT35,BFT35 axial fan

机号 Serial number	叶轮直径 (mm) Impeller diameter	叶轮周速 (m/s) Impeller periphery speed	主轴转速 (r/min) Main shaft speed	叶片角度 Blade angle	风量 (m³/h) Volume	全压 (Pa) Total pressure	全压效率 Total pressure efficiency	需用轴功率 (kw) Needed shaft power	采用轴功率 (kw) Used shaft power	配用电机 Matched motor	
										型号 Model	功率 (kw) Power
2.8	280	42.5	2900	15	1484	127	0.72	0.080	0.092	YBFA-6312	0.180
				20	1950	143	0.73	0.115	0.133	YBFA-6312	0.180
				25	2416	147	0.75	0.166	0.166	YBFA-6312	0.180
				30	2629	157	0.73	0.172	0.197	YBFA-6312	0.180
				35	2881	196	0.71	0.240	0.276	YBFA-6312	0.250
	21.3	1450	15	743	32	0.72	0.010	0.010	0.012	YBFA-6314	0.120
			20	977	36	0.73	0.015	0.017	YBFA-6314	0.120	
			25	1211	37	0.75	0.018	0.021	YBFA-6314	0.120	
			30	1317	40	0.73	0.022	0.026	YBFA-6314	0.120	
			35	1444	51	0.71	0.031	0.036	YBFA-6314	0.120	
3.15	315	47.0	2900	15	2105	163	0.72	0.144	0.166	YBFA-6312	0.180
				20	2766	181	0.73	0.207	0.238	YBFA-6332	0.250
				25	3429	186	0.75	0.259	0.298	YBFA-6332	0.370
				30	3726	201	0.73	0.309	0.355	YBFA-6332	0.370
				35	4090	250	0.71	0.430	0.495	YBFA-7122	0.550
	23.9	1450	15	1052	40	0.72	0.018	0.018	0.021	YBFA-6314	0.120
			20	1383	45	0.73	0.026	0.030	YBFA-6314	0.120	
			25	1714	46	0.75	0.032	0.037	YBFA-6314	0.120	
			30	1864	50	0.73	0.039	0.045	YBFA-6314	0.120	
			35	2045	62	0.71	0.053	0.061	YBFA-6314	0.120	
3.55	355	53.9	2900	15	3030	205	0.72	0.261	0.300	YBFA-7112	0.370
				20	3983	230	0.73	0.379	0.436	YBFA-7122	0.550
				25	4935	236	0.75	0.473	0.544	YBFA-7122	0.550
				30	5368	255	0.73	0.564	0.649	YBFA-7132	0.750
				35	5887	317	0.71	0.787	0.905	YBFA-8022	1.10
	27.0	1450	15	1512	51	0.72	0.033	0.033	0.038	YBFA-6314	0.120
			20	1987	54	0.73	0.047	0.054	YBFA-6314	0.120	
			25	2493	59	0.75	0.059	0.068	YBFA-6314	0.120	
			30	2679	63	0.73	0.070	0.081	YBFA-6314	0.120	
			35	2938	78	0.71	0.098	0.113	YBFA-6314	0.120	
4	400	60.7	2900	15	4325	263	0.72	0.475	0.546	YBFA-7122	0.550
				20	5684	293	0.73	0.688	0.791	YBFA-8022	1.10
				25	7043	300	0.75	0.859	0.908	YBFA-8022	1.10
				30	7661	322	0.73	1.021	1.175	YBFA-8022	1.10
				35	8402	402	0.71	1.427	1.641	YBFA-90S2	1.50
	30.4	1450	15	2165	66	0.72	0.059	0.059	0.068	YBFA-6314	0.120
			20	2846	73	0.73	0.086	0.099	YBFA-6314	0.120	
			25	3528	74	0.75	0.107	0.123	YBFA-6314	0.120	
			30	3836	80	0.73	0.128	0.147	YBFA-6324	0.180	
			35	4208	100	0.71	0.179	0.206	YBFA-7114	0.250	
4.5	450	34.2	1450	15	3084	83	0.72	0.107	0.123	YBFA-6314	0.120
				20	4053	93	0.73	0.156	0.179	YBFA-6324	0.180
				25	5022	95	0.75	0.195	0.224	YBFA-7114	0.250
				30	5463	102	0.73	0.231	0.266	YBFA-7124	0.370
				35	5992	127	0.71	0.322	0.370	YBFA-7124	0.370
5	500	38.0	1450	15	4230	103	0.72	0.182	0.21	YBFA-7114	0.250
				20	5560	115	0.73	0.264	0.303	YBFA-7124	0.370
				25	6889	117	0.75	0.328	0.370	YBFA-7124	0.370
				30	7494	126	0.73	0.392	0.450	YBFA-8014	0.550
				35	8219	157	0.71	0.546	0.628	YBFA-8024	0.750
	25.1	960	15	2827	44	0.72	0.053	0.053	0.061	YBFA-8026	0.370
			20	3716	50	0.73	0.076	0.088	YBFA-8026	0.370	
			25	4605	51	0.75	0.096	0.111	YBFA-8026	0.370	
			30	5009	55	0.73	0.114	0.131	YBFA-8026	0.370	
			35	5429	69	0.71	0.160	0.184	YBFA-8026	0.370	

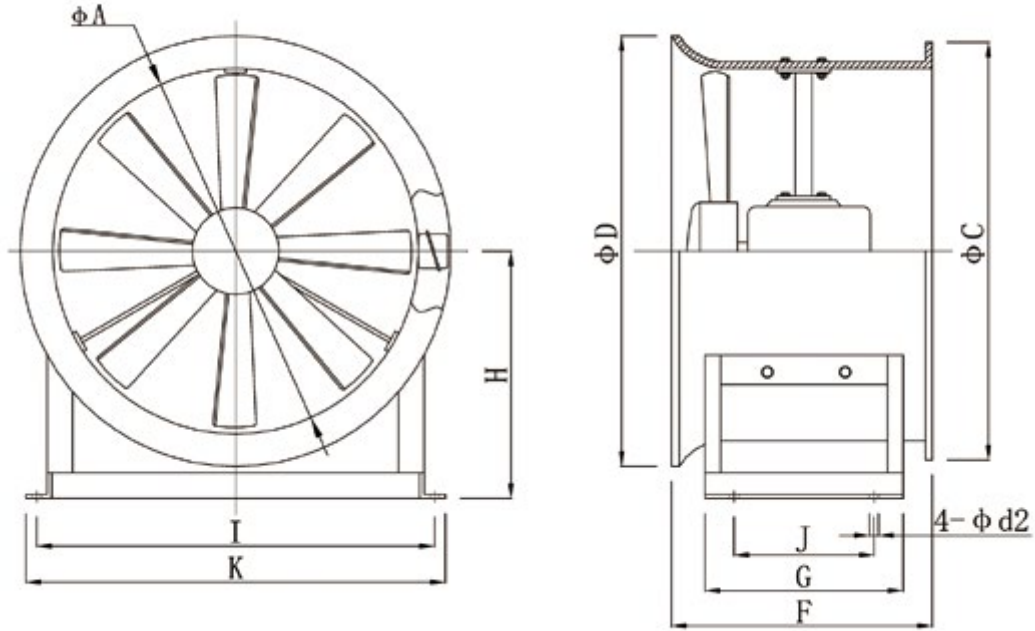


BT35、BFT35防爆轴流通风机性能表

Performance chart of the BT35,BFT35 axial fan

机号 Serial number	叶轮直径 (mm) Impeller diameter	叶轮周速 (m/s) Impeller periphery speed	主轴转速 (r/min) Main shaft speed	叶片角度 Blade angle	风量 (m ³ /h) Volume	全压 (Pa) Total pressure	全压效率 Total pressure efficiency	需用轴功率 (kw) Needed shaft power	采用轴功率 (kw) Used shaft power	配用电机 Matched motor		
										型号 Model	功率 (kw) Power	
5.6	560	42.5	1450	15	5935	128	0.72	0.318	0.365	YBFA-7124	0.370	
				20	7800	143	0.73	0.461	0.530	YBFA-8014	0.550	
				25	9665	147	0.75	0.578	0.665	YBFA-8024	0.750	
				30	10513	158	0.73	0.687	0.790	YBFA-90S4	1.1	
		35	11530	197	0.71	0.961	1.1	YBFA-90S4	1.1			
		28.1	960	15	3924	56	0.72	0.093	0.106	0.106	YBFA-8026	0.370
				20	5157	62	0.73	0.133	0.153	0.153	YBFA-8026	0.370
				25	6390	64	0.75	0.166	0.191	0.191	YBFA-8026	0.370
30	6951			69	0.73	0.198	0.228	0.228	YBFA-8026	0.370		
35	7623	85	0.71	0.276	0.318	0.318	YBFA-8026	0.370				
6.3	630	47.8	1450	15	8453	163	0.72	0.576	0.662	YBFA-8024	0.750	
				20	11110	181	0.73	0.833	0.958	YBFA-90S4	1.1	
				25	13767	186	0.75	1.043	1.199	YBFA-90L4	1.5	
				30	14975	200	0.73	1.241	1.427	YBFA-90L4	1.5	
		35	16425	250	0.71	1.734	1.994	YBFA-100L ₁ -4	2.2			
		31.7	960	15	5597	72	0.72	0.167	0.192	0.192	YBFA-8026	0.370
				20	7355	79	0.73	0.245	0.249	YBFA-8026	0.370	
				25	9115	81	0.75	0.302	0.347	YBFA-8026	0.370	
30	9914			88	0.73	0.361	0.415	YBFA-90S6	0.750			
35	10873	109	0.71	0.501	0.576	YBFA-90S6	0.750					
7.1	710	53.9	1450	15	12099	207	0.72	1.048	1.205	YBFA-90L4	1.5	
				20	15903	230	0.73	1.515	1.742	YBFA-100L ₁ -4	2.2	
				25	19705	236	0.75	1.892	2.176	YBFA-100L ₁ -4	2.2	
				30	21433	255	0.73	2.255	2.593	YBFA-100L ₂ -4	3	
		35	23508	317	0.71	3.143	3.614	YBFA112M-4	4			
		36.7	960	15	8011	91	0.72	0.307	0.355	0.355	YBFA-90L4	0.750
				20	10530	101	0.73	0.442	0.508	YBFA-100L ₁ -4	0.750	
				25	13048	104	0.75	0.551	0.633	YBFA-100L ₁ -4	0.750	
30	14192			111	0.73	0.654	0.752	YBFA-100L ₂ -4	0.750			
35	15566	138	0.71	0.915	1.052	YBFA112M-4	1.1					
8	800	60.7	1450	15	17315	263	0.72	1.903	2.188	YBFA-100L ₁ -4	2.2	
				20	22752	293	0.73	2.754	3.167	YBFA112M-4	4	
				25	28192	300	0.75	3.441	3.957	YBFA112M-4	4	
				30	30665	322	0.73	4.091	4.705	YBFA132S-4	5.5	
		35	33633	402	0.71	5.716	6.573	YBFA132M-4	7.5			
		40.2	960	15	11459	116	0.72	0.554	0.637	0.637	YBFA-90S6	0.750
				20	15061	127	0.73	0.798	0.918	YBFA-90L6	1.1	
				25	18663	131	0.75	0.999	1.149	YBFA100L-6	1.5	
30	20300			141	0.73	1.187	1.365	YBFA100L-6	1.5			
35	22265	176	0.71	1.661	1.910	YBFA112M-6	2.2					
9	900	45.2	960	15	16318	145	0.72	0.99	1.139	YBFA100L-6	1.5	
				20	21447	162	0.73	1.438	1.645	YBFA112M-6	2.2	
				25	26576	167	0.75	1.797	2.067	YBFA112M-6	2.2	
				30	28907	178	0.73	2.137	2.458	YBFA132M-6	3	
				35	31704	222	0.71	2.990	3.439	YBFA132M ₁ -6	4	
10	1000	50.3	960	15	22386	180	0.72	1.690	1.944	YBFA132M-6	2.2	
				20	29421	200	0.73	2.438	2.804	YBFA132M-6	3	
				25	36457	205	0.75	3.044	3.501	YBFA132M ₁ -6	4	
				30	39655	221	0.73	3.627	4.171	YBFA132M ₁ -6	4	
				35	43493	275	0.71	5.060	5.825	YBFA160M-6	7.5	
11.2	1120	56.3	960	15	31449	226	0.72	2.975	3.421	YBFA132M ₁ -6	4	
				20	41334	252	0.73	4.307	4.953	YBFA132M ₂ -6	5.5	
				25	51218	258	0.75	5.368	6.173	YBFA160M-6	7.5	
				30	55710	286	0.73	6.571	7.557	YBFA160M-6	7.5	
				35	61102	345	0.71	8.922	10.260	YBFA160L-6	11	





无因次性能表

Dimensionless performance chart

叶片角度 Blade angle	15°	20°	25°	30°	35°
流量系数 Discharge coefficient	0.175	0.23	0.285	0.31	0.34
压力系数 Pressure coefficient	0.07	0.078	0.080	0.086	0.107
全压效率 Total pressure efficiency	0.87	0.88	0.895	0.88	0.86

T35-11、FT35-11、BT35-11、BFT35-11外型及安装尺寸

Outlook and installation size of T35-11,FT35-11,BT35-11,BFT35-11

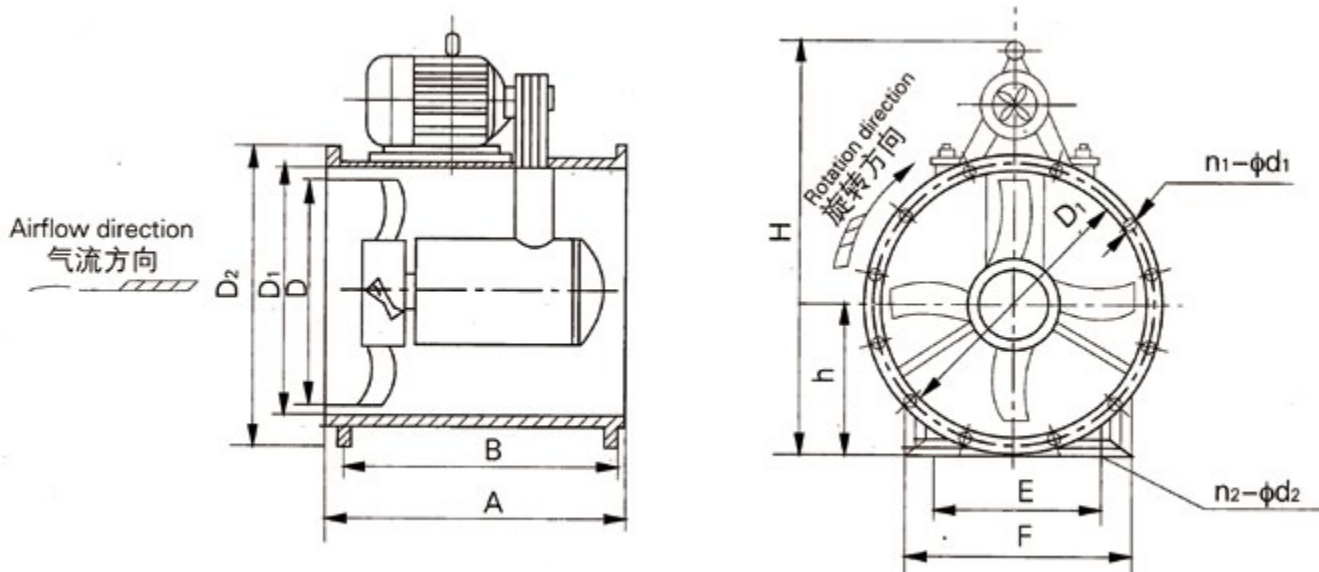
尺寸 Size	A	C	D	F	G	H	I	J	K	d ₂
机号NO Serial number										
2.8	283	346	355	258	212	220	290	175	320	12
3.15	318	381	400	282	232	240	330	190	360	12
3.55	358	422	450	327	270	260	370	230	400	12
4	404	478	500	349	280	290	410	240	450	12
4.5	454	528	560	354	280	330	460	240	500	12
5	504	588	630	364	290	370	470	240	510	12
5.6	564	649	710	404	318	390	530	270	570	14
6.3	634	719	800	474	378	440	585	320	620	14
7.1	715	800	900	494	388	490	760	330	800	14
8	805	891	960	579	468	550	830	380	870	18
9	905	1001	1120	648	526	610	910	440	950	18
10	1006	1103	1250	753	616	670	990	505	1040	22
11.2	1126	1223	1400	838	686	750	1180	580	1230	22

地脚螺栓用户自备

The users should supply foot bolt by themselves.

GD30K2-12型轴流风机

GD30K2-12 Axial Fan



GD30K2-12型轴流风机可安装于通风管道系统中,适用于化工、造纸及其它工厂输送60℃以下的空气和各种对电动机有害的气体。本型风机按其叶轮直径共分: NO6、7、8、9、10等五个机号。叶片数有四片、六片两种。叶片安装角度可制成15°、20°、25°、30°等四种。

电动机安装在风筒上部,有可调的电机坐板支承电动机,并能调节中心距。全部采用V带传动。轴承箱固定在风筒中央密封的防护筒内与介质隔离。

本型风机一般采用钢材焊接制成,如果输送含有腐蚀性、易燃性气体时可用玻璃钢材料制成防腐、阻燃型风机。

注:配用电机为三相。

The GD30K2-12 axial fan may be installed in ventilating duct system. Is suitable in transporting 60°C air and each kind of harmful gas which damages motor.

This kind of fan is divided into five serial numbers: No. 6, 7, 8, 9, 10 and so on according to its impeller diameter. The number of leaves has two kinds: four and six. The leaf installation angle to be made four kinds: 15°, 20°, 25°, 30° and so on.

The motor is installed on the wind tunnel. The adjustable sitting board supports the motor, and may adjust the center distance. Uses V belt to drive. The bearing box is fixed in central seal protection tube of the wind tunnel to isolate with the medium.

This kind of fan adopts steel welding, if transporting corrosive or flammable gas, may be used glass fiber reinforced plastic one.

Note: The matched motor is three-phases.

GD30K2-12型轴流通风机外形及安装尺寸

Contour and installation size of GD30K2-12 axial fan

机号 Serial number	D	D0	D1	D2	A	B	F	E	H	h	n1-φd1	n2-φd2	地脚螺栓 Foot bolt
6	600	606	645	680	600	560	450	350	980	380	8-12	4-18	M16×300
7	700	707	755	793	700	650	650	500	1150	447	12-12	4-18	M16×300
8	800	808	855	894	800	750	750	600	1270	497	12-12	4-18	M16×300
9	900	909	960	1005	900	828	830	650	1390	566	12-12	4-18	M20×300
10	1000	1010	1060	1106	1000	925	900	700	1560	616	12-12	4-18	M20×300

GD30K2-12型轴流通风机性能与选用表

Performance and selected parts of GD30K2-12 axial fan

机号 Serial number	主轴转速 (r/min) Main axle speed	叶片角度 Blade angle	4叶片 4blades		6叶片 6blades		电动机 Motor		带轮 Pulley		V带型号 V belt model
			全压 (Pa) Total pressure	流量 (m³/h) Current capacity	全压 (Pa) Total pressure	流量 (m³/h) Current capacity	型号 Model	功率 (KW) Power	主轴 Main axle	电动机 Motor	
6	1450	15°	167	7250	186	7800	Y90S-4	1.1	95 × 25A2	95 × 24A2	A1220
		20°	167	9500	210	9700	Y90S-4	1.1	95 × 25A2	95 × 24A2	
		25°	177	11300	221	12000	Y100L1-4	2.2	95 × 25A3	95 × 28A3	
		30°	185	13150	235	14000	Y100L1-4	2.2	95 × 25A3	95 × 28A3	
	960	15°	74	4800	83	5170	Y90S-4	0.75	95 × 25A2	95 × 24A2	
		20°	74	6300	93	6430	Y90S-4	0.75	95 × 25A2	95 × 24A2	
		25°	79	7500	101	7940	Y90S-4	0.75	95 × 25A3	95 × 24A2	
		30°	82	8700	104	9270	Y90S-4	0.75	95 × 25A3	95 × 24A2	
7	1450	15°	226	11500	255	12500	Y100L1-4	2.2	112 × 28-A2	112 × 30-A2	A1400
		20°	226	14100	284	15000	Y100L1-4	2.2	112 × 28-A2	112 × 30-A2	
		25°	235	18000	304	19000	Y112M-4	4.0	112 × 28-A4	112 × 30-A4	
		30°	245	20900	321	22500	Y112M-4	4.0	112 × 28-A4	112 × 30-A4	
	960	15°	93	7550	113	8270	Y90L-4	1.1	112 × 24-A2	112 × 30-A2	
		20°	93	10000	126	9930	Y90L-4	1.1	112 × 24-A2	112 × 30-A2	
		25°	98	12000	132	12600	Y90L-4	1.1	112 × 24-A2	112 × 30-A2	
		30°	103	13900	140	14900	Y90L-4	1.1	112 × 24-A2	112 × 30-A2	
8	1450	15°	294	17300	333	18000	Y132S-4	5.5	132 × 30-B3	132 × 38-B3	B1645
		20°	294	22000	375	22650	Y132S-4	5.5	132 × 30-B3	132 × 38-B3	
		25°	314	27000	397	29700	Y132M-4	7.5	132 × 30-B4	132 × 38-B4	
		30°	324	31300	419	33200	Y132M-4	7.5	132 × 30-B4	132 × 38-B4	
	960	15°	127	11400	147	12000	Y100L-6	1.5	132 × 30-B2	132 × 28-B2	
		20°	127	14900	162	15000	Y100L-6	1.5	132 × 30-B2	132 × 28-B2	
		25°	137	17800	172	18500	Y112M-6	2.2	132 × 30-B2	132 × 28-B2	
		30°	145	20600	181	22000	Y112M-6	2.2	132 × 30-B2	132 × 28-B2	
9	960	15°	157	12600	186	17500	Y112M-6	2.2	142 × 45-B2	142 × 28-B2	B1753
		20°	157	21200	206	21500	Y112M-6	2.2	142 × 45-B2	142 × 28-B2	
		25°	177	25200	216	26800	Y132M1-6	4.0	142 × 45-B3	142 × 28-B3	
		30°	183	29300	235	32000	Y132M1-6	4.0	142 × 45-B3	142 × 28-B3	
10	960	15°	206	22600	226	24000	Y132M1-6	4.0	165 × 35-B2	165 × 38-B2	B1956
		20°	206	29700	255	30000	Y132M1-6	4.0	165 × 35-B2	165 × 38-B2	
		25°	226	35400	275	36000	Y160M-6	7.5	165 × 35-B4	165 × 42-B4	
		30°	235	41000	284	43000	Y160M-6	7.5	165 × 35-B4	165 × 42-B4	

注：本系列风机一般不在法兰上打孔，打孔需订货时注明，敬请客户注意。

Note: this series of fans are generally not punched on the flanges. When the punching needs to be ordered, we should pay attention to the customers.



DTF 系列地铁隧道轴流风机

DTF Series Metro Tunnel Axial Fans



DTF 系列轴流风机类别、形式说明

DTF Series Axial Fan Categories and Type Descriptions

DTF 系列轴流风机分类

DTF(R)-(H)型 排热风机 (地铁称UPE/OTE风机)、DTF(R)-(S)型 消防排烟风机 (地铁称排烟风机)、DTF(R)-(V)型 通风排风机 (地铁称全新风机), 注: (R) = 反转风机。

DTF Series Axial Fan Classification

DTF(R)-(H) Type Heat Exhaust Fan (referred to as metro UPE/OTE fan), DTF(R)-(S) Type Firefighting Smoke-Exhaust Fan (referred to as metro smoke-exhaust fan), DTF(R)-(V) Type Ventilation Exhaust Fan (referred to as metro fresh air fan). Note: (R) = Reversed Fan.

DTF 系列轴流风机基本形式

Basic configurations of the DTF series axial-flow fan

名称 Name of type	DTF(R)-(H)型	DTF(R)-(S)型	DTF(R)-(V)型
机号 Fan size	10 ~ 22#	8 ~ 20#	8 ~ 22#
叶片角度 Blade angle	固定叶角, 静态可调叶角 Fixed blade angle; statically adjustable blade angle	固定叶角, 静态可调叶角 Fixed blade angle; statically adjustable blade angle	固定叶角, 动态可调叶角 Fixed blade angle; dynamically adjustable blade angle
最高气体输送温度及连续运行时间 Maximum gas delivery temperature and continuous operating time	300°C 60分钟, 180°C大于2小时 300°C for 60 minutes; 180°C for more than 2 hours	300°C 60分钟, 180°C大于2小时 300°C for 60 minutes; 180°C for more than 2 hours	≤45°C
系统管道连接 System pipeline connection	风机与管道连接处可配橡胶软接管, 也可根据用户要求提供扩压管。 The fan-to-pipeline connection can be equipped with a rubber flexible connector, and a diffuser may also be provided as per user's requirements.		
安装形式 Installation types	分立式、卧式、悬挂式、侧壁式等形式。其中悬挂式安装风机限16#或配套电机75kW以下, 侧壁式安装风机配套电机限22kW以下。 75 kW; sidewall installation is limited to motors less than 22 kW.		
电机转速 Motor speed	根据通风系统要求, 风机配套电机分单速、双速二种, 也可配变频调速。 According to the requirement of ventilation system, single speed or dual speed motor is applied, as well as frequency conversion device.		
说明 Remarks	1、DTF系列风机较大规格或较高线速度配有不同承重量的减振器; 2、DTF系列风机三种类型可在同一性能参数表或性能曲线图中选择。 1. The DTF series fans of larger specifications or higher linear speeds are equipped with vibration isolators tailored to different load capacities. 2. The three types of DTF series fans can be selected within the same performance parameter table or performance curve chart.		



DTF 系列风机特点

Characteristics of the DTF Series Fans

效率高：风机运用国际全新航空航天气动设计技术，通过多次反复试验验证和用户使用证明，具有效率高并高效区宽的显著特点；

噪声低：从降低风机气动噪声入手，最大限度地减小风机叶片顶部和根部的涡流损失，经权威专家鉴定，具有低噪声的显著特点；

用途广：采用高防护等级、高绝缘等级、湿热型、耐高温电机，使该风机能可靠地应用于地铁、隧道、电力、水利大坝、建筑工程等通风系统的通（排）风，DTF(R)-(H)型，DTF(R)-(S)型风机还可以应用于紧急状态下的消防排烟系统和非消防排烟系统；

强度高：风机叶轮引进国际先进压铸工艺技术，铝合金叶片、轮毂经金相分析，其结构组织良好，通过X射线探伤检验，风机叶轮已考虑300℃条件下的热膨胀系数。使其保证足够的叶轮强度，符合高速运行的要求；

结构紧凑：风机静叶和导流装置的设计以尽可能缩短风机外壳的长度为目标，机壳和固定支架通过有限元强度计算，以保证地铁、电力等特定条件的使用要求；

防喘振：风机设有防喘振装置，避免风机在非设计工况下运行或多台风机并联安装单台使用时可能产生失速运行出现的喘振现象，无须再装喘振报警装置；

抗腐蚀性强：风机外壳经热浸镀锌处理，电机采用湿热型，风机叶片、轮毂采用铝合金材料，成形后再经阳极化处理，具有很强的抗腐蚀性；

运行可靠：风机叶轮经静平衡样后再经动平衡机精确样验，其平衡精度达到ISO-2.8级（高于国家5.6级的标准），整机出厂前，经叶轮超速试验和整机振动测试、气动全性能试验，使其达到高速运行平稳、可靠的要求。

High efficiency: These fans employ the latest international aerospace aerodynamic design technology, exhibiting significant attributes of high efficiency and a broad high-efficiency range, verified through numerous repeated experiments and proven by users' feedback.

Low noise: By targeting the reduction of aerodynamic noise, vortex losses at both the tips and roots of the fan blades are minimized. Verified by authoritative experts, it has the remarkable feature of low noise.

Wide application: Equipped with high protection level, high insulation class, wet-heat type, and high-temperature-resistant motors, allowing this fan to be used in ventilation systems for subways, tunnels, power facilities, hydraulic dams, and building projects. DTF(R)-(H) and DTF(R)-(S) fans can also be employed in emergency firefighting smoke exhaust systems as well as non-firefighting smoke exhaust systems.

High strength: The fan impeller system utilizes internationally advanced die-casting technology. Metallographic analysis of the aluminum alloy blades and light hub confirms excellent structural integrity. The fan impeller has passed quality verification via X-ray flaw detection. The thermal expansion coefficient at 300℃ has been considered to ensure sufficient impeller strength that meets the requirements for high-speed operation;

Compact structure: The stator blades and flow guide devices are designed to minimize the length of the fan casing. The casing and fixed bracket are subjected to finite element strength analysis to ensure compliance with operational requirements for subways, power systems, and other specific conditions;

Anti-surge: The fan is equipped with an anti-surge device to prevent surge phenomena caused by stall during off-design operation or when multiple fans are installed in parallel but operated individually, without the need for install surge alarm device additionally;

High corrosion resistance: the fan casing is treated with hot-dip galvanization; the motor is of wet-heat type; the fan blades and wheel hubs are made of aluminum alloy, and after forming, they are anodized to provide strong corrosion resistance;

Reliable operation: the fan impeller is subjected to static balance testing followed by dynamic balance testing, achieving a balance accuracy of grade ISO-2.8 (exceeding the national standard grade 5.6). Prior to dispatch, the entire unit undergoes impeller overspeed testing, vibration testing, and comprehensive aerodynamic performance testing to ensure stable and reliable high-speed operation.

DTF 系列风机的形式

Configurations of the DTF series fans

风机由叶轮、电机、机壳、集（导）流器、固定支架、减振器等部件组成，分卧式安装和立式安装二种规格，又分单边连接和双边连接管道二种形式，如图一。

风机叶轮：由轮毂、叶片组成，其中风机叶片分固定、动调、静调三种方式，静调或动调叶片可在-7.5至7.5°范围调节，动调风机又分气压式和电动式二种，可在运行状态下自动和电动调节叶片角度。

风机配套电机：根据使用要求配常规电机，特殊要求也可以配IP55（IP54）防护等级、H(F)级绝缘，耐高温，湿热型电机，接线盒置于风机外壳。

风机外壳的叶轮装配段：内壁经金属切削加工以保证控制叶片的径向间隙，长度和重量以降低到最低（小）值为目标进行设计。

风机导叶、集流器和导流器：分别为静态安装，以尽可能考虑最大的效能和最小的体积。

风机安装支架：确保风机整机强度的前提下，使其达到重量轻和安装方便。

风机固定叶角，静、动态可调叶角：固定叶角是指根据使用工况要求固定角度；静态可调是指设计工况与使用工况改变的情况下，停机后拧松叶柄螺栓，人工调节叶片角度；动态可调是指风机在运行状态下根据使用工况要求在允许范围内任意调节叶片角度。

防喘振装置：可以防止风机失速发生喘振的现象，保证风机长期在稳定状态下运行，如管道堵塞，消声器堵塞或紧急状态下，保证风机运行安全、可靠。

风机减振器：根据风机重量、线速度、固定叶角、静态可调叶角、动态可调叶角的动载荷进行专门设计计算，配置不同的减振器。

风机拆装维修：单边接管道的风机拆掉单边软接管，拧松底脚螺栓；双边接管道的风机应先拆掉二端软接管，拧松固定底脚螺栓和某端的空间段（或防喘振装置），即可任意移动风机位置。

The fan comprises components such as the impeller, motor, casing, collector, fixed bracket, and vibration isolator. It is available in two installation configurations: horizontal and vertical, and two types: single-sided and double-sided pipe connections. As illustrated in Figure 1.



Fan impeller: consists of the hub and blades. The fan blades are divided into three types: fixed, adjustable dynamic, and adjustable static. The adjustable static or dynamic blades can be regulated within a range of -7.5° to 7.5° . The dynamic adjustable fan is further classified into two types: pneumatic and electric. The blade angles can be adjusted automatically and electrically during operation.

Fan-matched motor: Standard motors are provided according to operational requirements, with special options including IP55 (IP54) protection rating, H(F)-class insulation, high temperature resistance, and wet-heat type motors; the junction box is positioned on the fan casing.

Impeller assembly section of the fan casing: The inner wall is machined by metal cutting to precisely control the impeller blade radial clearance; the length and weight are designed to be minimized.

Fan guide vanes, collector, and flow straightener: Each statically mounted to achieve maximum efficiency and minimal volume.

Fan mounting bracket: Ensures the overall structural strength of the fan while maintaining light weight and ease of installation.

Fixed blade angle of the fan, static and dynamic adjustable blade angle: The fixed blade angle refers to the angle fixed according to the requirements of the operating conditions.

Static adjustability refers to the situation where, when the design working conditions and the operating conditions change, after the machine stops, the handle bolts are loosened and the blade angle is manually adjusted. Dynamic adjustability refers to the fact that during the operation of the fan, the blade angle can be adjusted arbitrarily within the allowable range according to the requirements of the operating conditions.

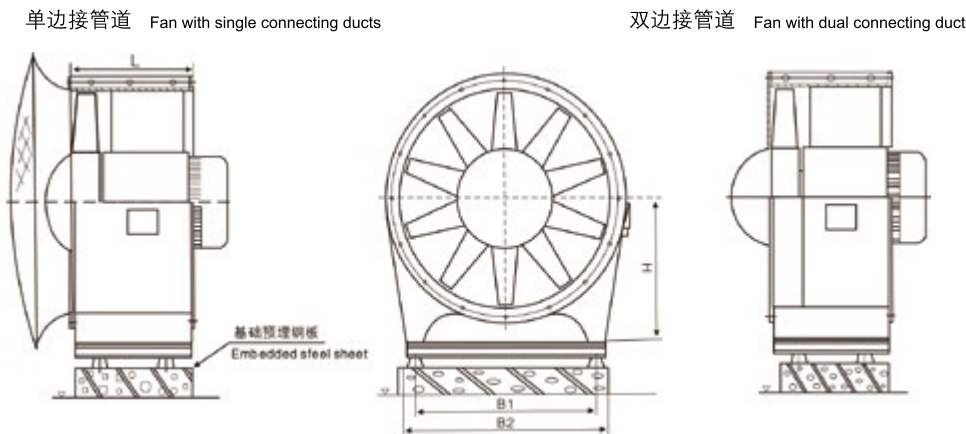
Anti-surge device: It prevents fan stall and surge phenomena, ensuring the fan operates stably over long periods. In instances such as pipeline blockage, silencer obstruction, or emergencies, it guarantees the fan operates safely and reliably. Fan vibration dampers: Specifically designed and calculated based on fan weight, linear velocity, fixed blade angle, static adjustable blade angle, and dynamic loads of dynamic adjustable blade angle, with corresponding vibration dampers configured.

Fan disassembly and maintenance: For fans with piping connected on one side, remove the soft connection pipe on that side and loosen the base anchor bolts. For fans with piping connected on both sides, first remove the soft connection pipes on both ends, then loosen the base anchor bolts and the spatial section (or anti-surge device) on one end, allowing free repositioning of the fan.

DTF 系列风机外形结构选择示意图

Outline structural selection diagram of the DTF series fans

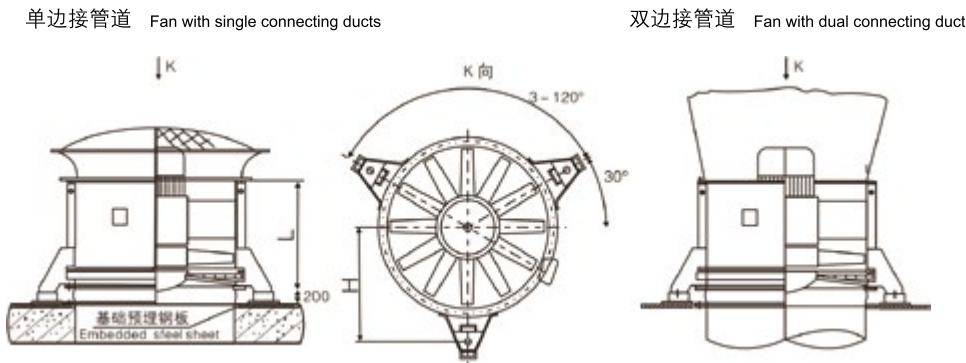
(图一)DTF 系列风机卧式安装示意图 (Figure 1) DTF Series Fan Horizontal Installation Diagram



- 1、基础预埋钢板长度 $\geq L+100$ ，宽度 $\geq (B2-B1)/2+20$
- 2、风机重量请参照《风机性能参数表》，风机各支承点静（动）载荷请参照本公司提供的安装图。
- 3、风机外形尺寸参照外形尺寸图（表）。

1. The length of the embedded steel plate in the foundation shall be $\geq L+100$, and the width shall be $\geq (B2-B1)/2 + 20$.
2. Refer to the 'Fan Performance Parameter Table' for the fan weight, and consult the installation drawings provided by the manufacturer for static (dynamic) loads at each fan support point.
3. Refer to the overall dimension drawings (tables) for the fan overall dimensions.

(图二)DTF 系列风机立式安装示意图 (Figure 2) DTF Series Fan Vertical Installation Diagram



- 1、风机重量请参照《风机性能参数表》，风机各支承点静（动）载荷请参照本公司提供的安装图。
- 2、风机外形尺寸参照外形尺寸图（表），H值尺寸见下表：

1. Refer to the 'Fan Performance Parameter Table' for the fan weight, and consult the installation drawings provided by the manufacturer for static (dynamic) loads at each fan support point.
2. Refer to the overall dimension drawings (tables) for the fan overall dimensions; the H dimension is specified in the table below:

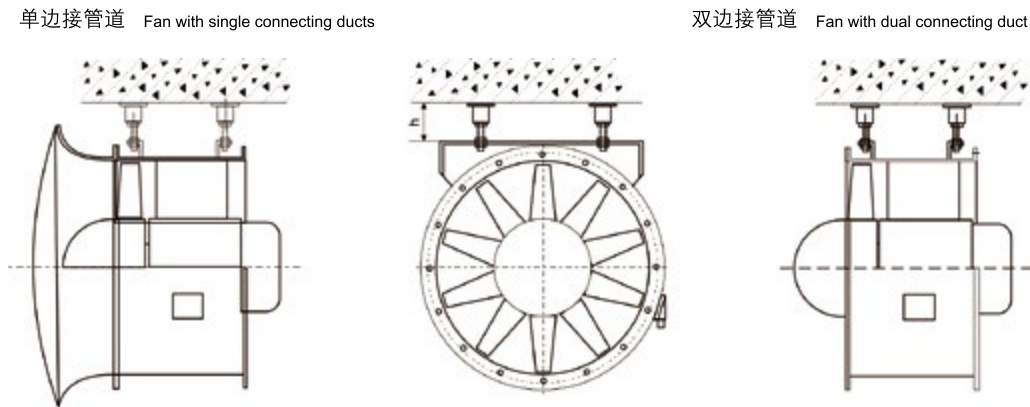
机号 Size	12.5#	14#	16#	18#	20#	22#
H	840	965	1065	1160	1260	1410





(图三)DTF 系列风机吊挂式示意图

(Figure 3) DTF Series Fan Suspension Installation Diagram



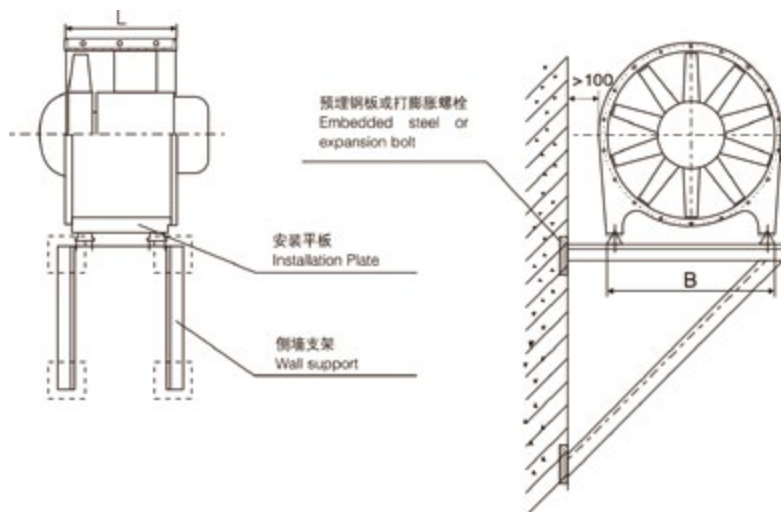
- 1、风机配用电机的功率大于75kW时，由于承受力的问题不宜采用吊挂式安装。
- 2、h尺寸根据通风系统风管布置位置要求决定（由本公司提供现场安装图）。
- 3、风机重量参照《风机性能参数表》，风机各支承点静（动）载荷请参照本公司提供的安装图。
- 4、风机外形尺寸参照外形尺寸图（表）。

1. Suspension installation is not recommended when the motor power matched with the fan exceeds 75 kW due to load-bearing considerations.
2. The dimension h is determined according to the duct layout requirements of the ventilation system (installation drawings provided by our company).
3. The fan weight refers to the Fan Performance Parameter Table. Static and dynamic loads at each fan support point should be referenced from the installation drawings provided by our company.
4. The fan overall dimensions refer to the overall dimensions drawing (table).

(图四)DTF 系列风机侧墙壁式示意图

(Figure 4) Schematic Diagram of DTF Series Fan Side Wall Installation

侧墙壁式安装可以单边接管道或双边接管道 Side wall-mounted installation allows for single-sided or double-sided pipeline connection.



- 1、当风机配用的电机功率大于22kW时，由于承受力的问题不宜采用侧墙式安装。
- 2、安装平板长度大于L+100，宽度大于B+20。
- 3、风机外形尺寸请参照外形尺寸图（表），风机重量请参照《风机性能参数表》。
- 4、风机各支承点静（动）载荷请参照本公司提供的安装图。

1. When the motor power coupled with the fan exceeds 22 kW, side-wall installation is not recommended due to load-bearing limitations.
2. The installation plate length must exceed L+100 mm, and the width must exceed B+20 mm.
3. Please refer to the overall dimension drawing (table) for fan overall dimensions, and the Fan Performance Parameter Table for fan weight.
4. For static and dynamic loads at each fan support point, please refer to the installation drawing provided by our company.

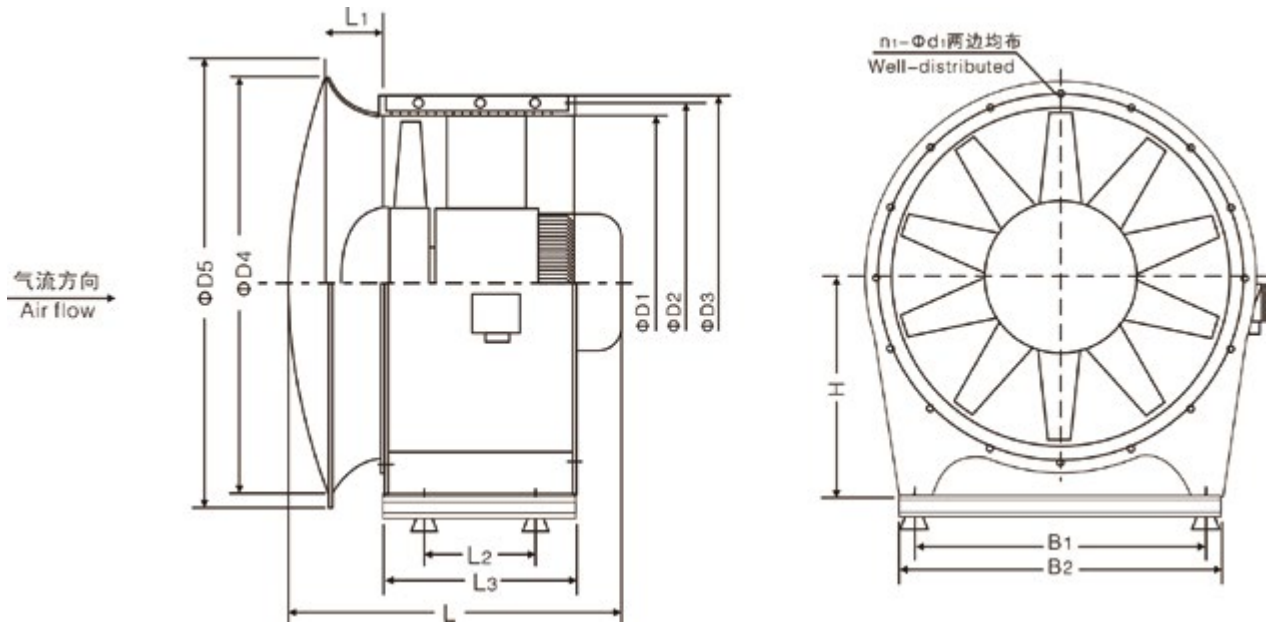


DTF 系列风机外形图和外形尺寸

DTF Series Fan Outline Drawing and Overall Dimensions

DTF(R)-(H)型轴流式通风机外形图

Outline Drawing of DTF(R)-(H) Axial Flow Fan



DTF(R)-(H)型轴流式通风机外形尺寸

Overall Dimensions of DTF(R)-(H) Axial Flow Fan

Dimension 尺寸 机号 Size	D1	D2	D3	D4	D5	L1	L2	L3	L	H	B1	B2	n1-φd1
10	1010	1070	1110	1300	1335	250	490	650	1080	680	600	700	16-φ14
11.2	1130	1200	1250	1420	1455	250	590	750	1250	730	970	1040	20-φ14
12.5	1260	1330	1380	1550	1590	250	600	800	1360	800	1150	1250	20-φ14
14	1410	1490	1550	1700	1740	250	680	900	1550	880	1280	1400	20-φ14
15	1510	1590	1650	1900	1950	350	760	1000	1620	980	1320	1500	20-φ18
16	1610	1700	1770	2000	2050	350	810	1050	1680	1050	1460	1600	24-φ18
18	1812	1900	1972	2200	2250	350	850	1150	1960	1120	1680	1800	24-φ18
20	2012	2100	2172	2530	2590	400	980	1300	2300	1165	1820	2000	28-φ18
22	2216	2330	2416	2800	2900	400	1040	1400	2100	1265	2020	2200	32-φ18

注：1、上表外形尺寸是指最大的外形尺寸，如通风系统有特殊要求时，风机外壳可适当缩短或伸长；

2、当通风系统需带防喘振装置时，则风机外壳长度应适当增加。

Note: 1. The above overall dimensions indicate the maximum external dimensions. If the ventilation system has special requirements, the fan housing may be appropriately shortened or extended.

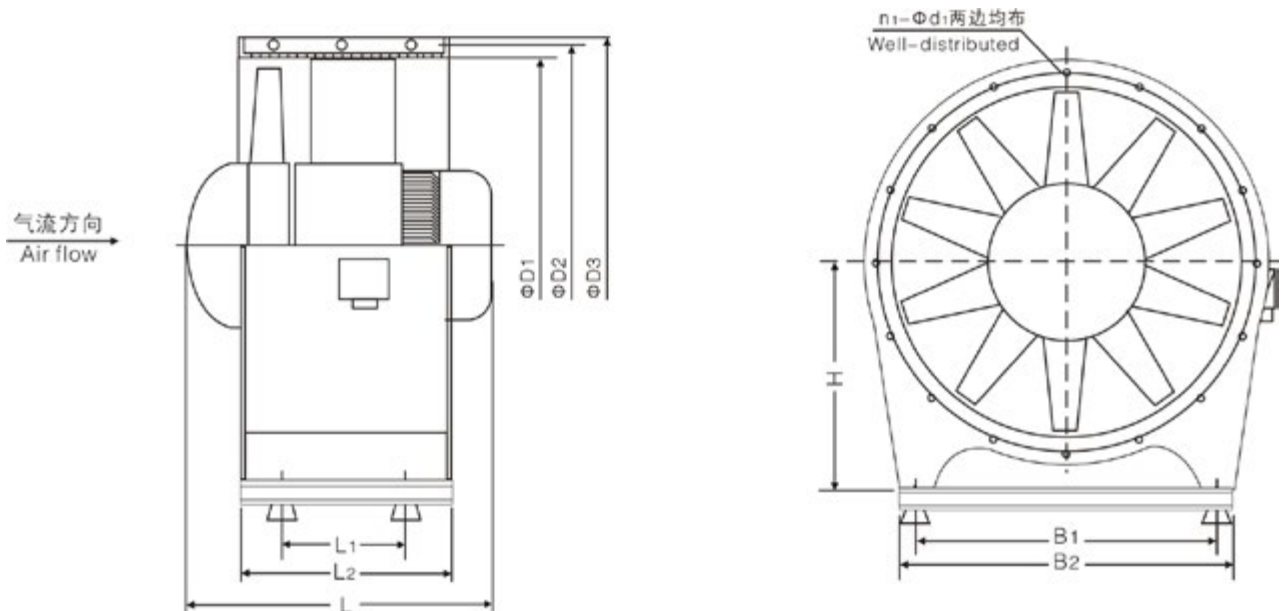
2. When an anti-surge device is required for the ventilation system, the fan housing length should be appropriately increased.





DTF(R)-(V)型轴流式通风机外形图

Outline Drawing of the DTF(R)-(V) Type Axial Flow Fan



DTF(R)-(V)型轴流式通风机外形尺寸

Overall Dimensions of the DTF(R)-(V) Type Axial Flow Fan

Dimension 尺寸 机号 Size	D1	D2	D3	L1	L2	L	H	B1	B2	n1-φd1
8	810	870	910	380	500	650	490	500	600	16-φ14
9	910	970	1010	460	600	750	540	600	700	16-φ14
10	1010	1070	1110	490	650	850	600	600	700	16-φ14
11.2	1130	1200	1250	590	750	1000	660	970	1040	20-φ14
12.5	1260	1330	1380	700	900	1200	715	1150	1250	20-φ14
14	1410	1490	1550	750	1000	1450	790	1280	1400	20-φ14
15	1510	1590	1650	850	1100	1450	850	1320	1500	20-φ18
16	1610	1700	1770	900	1200	1500	910	1460	1600	24-φ18
18	1812	1900	1972	1050	1400	1800	1050	1680	1800	24-φ18
20	2012	2100	2172	1150	1500	2100	1165	1820	2000	28-φ18
22	2216	2330	2416	1250	1650	1950	1265	2020	2200	32-φ18

注：1、上表外形尺寸是指最大的外形尺寸，如通风系统有特殊要求时，风机外壳可适当缩短或伸长；

2、当通风系统需带防喘振装置时，则风机外壳长度应适当增加。

Note: 1. The above overall dimensions indicate the maximum external dimensions. If the ventilation system has special requirements, the fan housing may be appropriately shortened or extended.

2. When an anti-surge device is required for the ventilation system, the fan housing length should be appropriately increased.

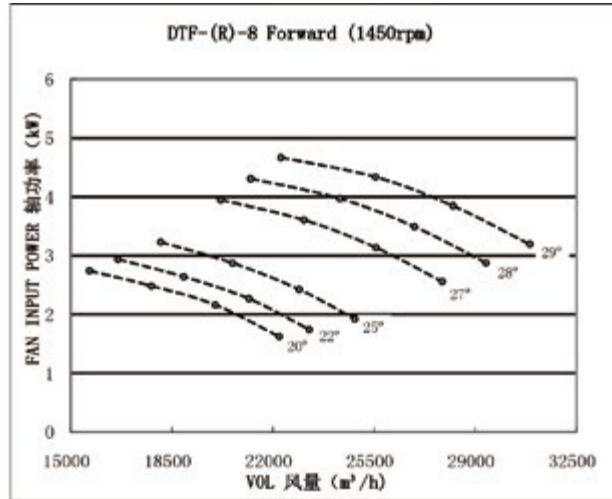
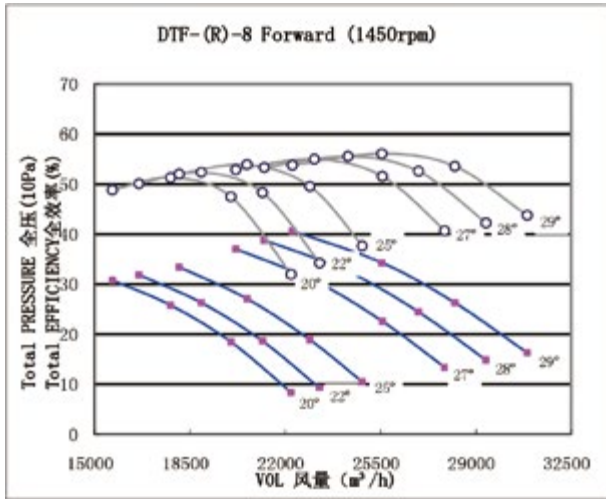


DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Parameter Table of the DTF Series Axial Flow Fans

DTF(R)-8(S/V)-4P轴流通风机性能曲线、参数表（没有防喘圈）

Performance Curves and Parameter Table of the DTF(R)-8(S/V)-4P Axial Flow Fan (Without Anti-Surge Ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	20002	185	2.17	Y112M-4 4	102	100	43	215
	2	17791	258	2.49		103			
	3	15649	308	2.75		105			
22°	1	21164	187	2.27	Y112M-4 4	103	100	43	215
	2	18913	263	2.64		103			
	3	16633	318	2.94		105			
25°	1	22907	189	2.42	Y112M-4 4	104	100	43	215
	2	20596	271	2.88		104			
	3	18108	334	3.22		107			
27°	1	25565	226	3.13	Y132S-4 5.5	104	100	68	252
	2	23071	307	3.60		104			
	3	20187	370	3.95		106			
28°	1	26895	245	3.49	Y132S-4 5.5	104	100	68	252
	2	24308	325	3.97		104			
	3	21227	388	4.31		106			
29°	1	28224	263	3.84	Y132S-4 5.5	104	100	68	252
	2	25546	343	4.33		103			
	3	22266	406	4.67		106			

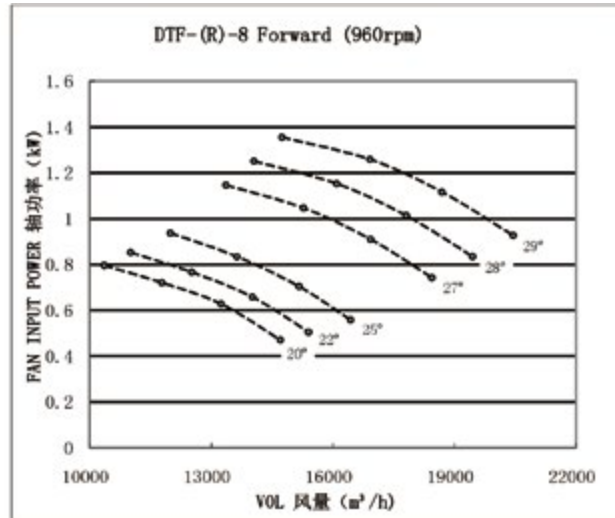
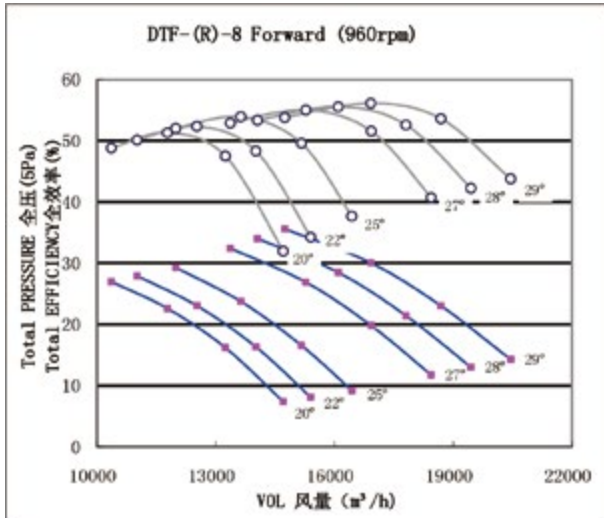
各项性能额定值不包括附属物（附件）的影响。经认证的性能是D类安装-管道入口，管道出口。所示值为安装类型D：管道入口，管道出口的声功率级（入口Lwi）。额定值包括管道端部校正影响。所示声功率级额定值以分贝为单位，参考声功率为 10^{-12} 瓦，按照AMCA International 标准301计算。

The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type D - Ducted Inlet, Ducted Outlet. The values shown are for Installation Type D: the sound power levels (inlet Lwi) of the ducted Inlet, and ducted Outlet. Rated values include the effects of duct end corrections. The sound power level rated values shown are in decibels, and referenced sound power is 10^{-12} watts, calculated in accordance with AMCA International Standard 301.



DTF(R)-8(S/V)-6P轴流通风机性能曲线、参数表（没有防喘圈）

Performance Curves and Parameter Tables for DTF(R)-8(S/V)-6P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	13242	81	0.63	Y90L-6 1.1	92	100	25	188
	2	11779	113	0.72		93			
	3	10361	135	0.80		95			
22°	1	14012	82	0.66	Y90L-6 1.1	93	100	25	188
	2	12522	115	0.77		93			
	3	11012	140	0.85		95			
25°	1	15166	83	0.70	Y90L-6 1.1	94	100	25	188
	2	13636	119	0.84		94			
	3	11989	146	0.94		97			
27°	1	16926	99	0.91	Y100L-6 1.5	94	100	33	200
	2	15274	135	1.05		94			
	3	13365	162	1.15		96			
28°	1	17806	107	1.01	Y100L-6 1.5	94	100	33	200
	2	16094	142	1.15		94			
	3	14053	170	1.25		96			
29°	1	18686	115	1.12	Y112M-6 2.2	94	100	45	218
	2	16913	150	1.26		94			
	3	14742	178	1.36		96			

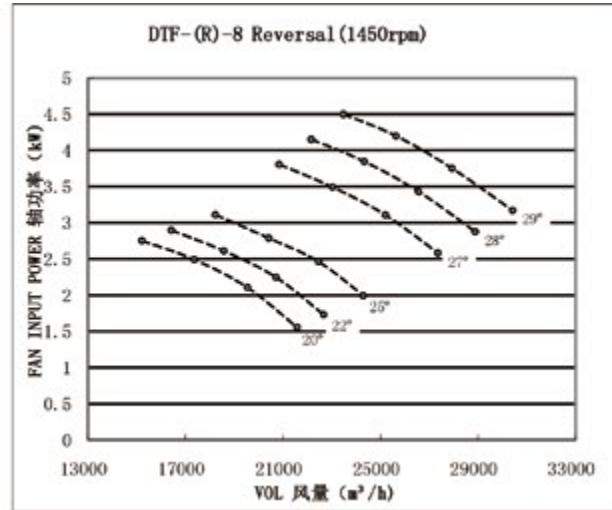
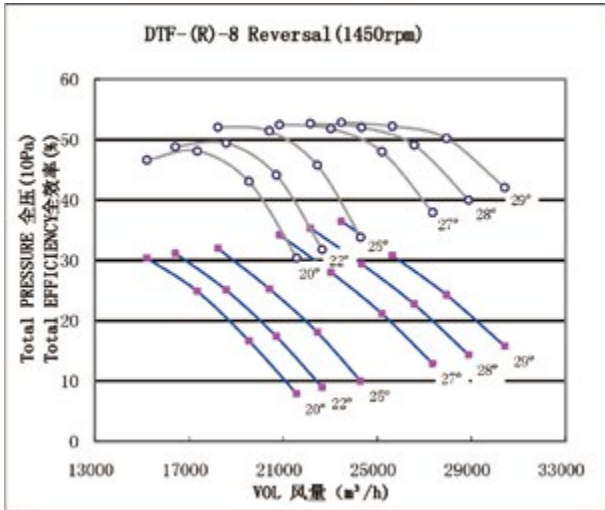
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The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type D - Ducted Inlet, Ducted Outlet. The values shown are for Installation Type D: the sound power levels (inlet Lwi) of the ducted Inlet, and ducted Outlet. Rated values include the effects of duct end corrections. The sound power level rated values shown are in decibels, and referenced sound power is 10⁻¹² watts, calculated in accordance with AMCA International Standard 301.



DTF(R)-8(S/V)-4P轴流通风机性能曲线、参数表 (没有防喘圈)

Performance Curves and Parameter Tables for DTF(R)-8(S/V)-4P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	20002	185	2.17	Y112M-4 4	102	100	43	215
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	2	18913	263	2.64		103			
	3	16633	318	2.94		105			
25°	1	22907	189	2.42	Y112M-4 4	104	100	43	215
	2	20596	271	2.88		104			
	3	18108	334	3.22		107			
27°	1	25565	226	3.13	Y132S-4 5.5	104	100	68	252
	2	23071	307	3.60		104			
	3	20187	370	3.95		106			
28°	1	26895	245	3.49	Y132S-4 5.5	104	100	68	252
	2	24308	325	3.97		104			
	3	21227	388	4.31		106			
29°	1	28224	263	3.84	Y132S-4 5.5	104	100	68	252
	2	25546	343	4.33		103			
	3	22266	406	4.67		106			

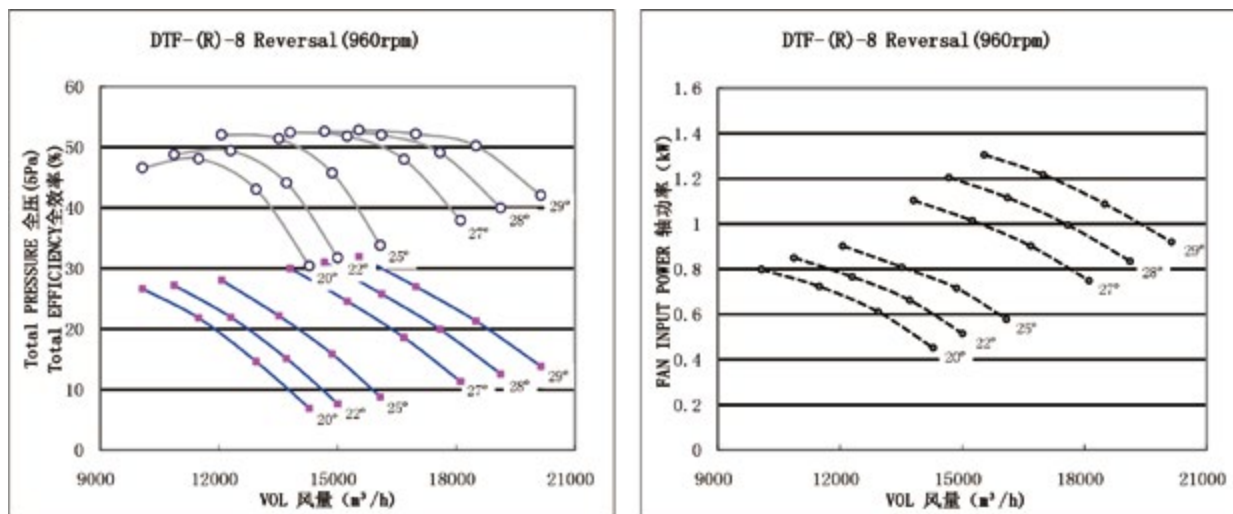
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The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type D - Ducted Inlet, Ducted Outlet. The values shown are for Installation Type D: the sound power levels (inlet Lwi) of the ducted Inlet, and ducted Outlet. Rated values include the effects of duct end corrections. The sound power level rated values shown are in decibels, and referenced sound power is 10⁻¹² watts, calculated in accordance with AMCA International Standard 301.



DTF(R)-8(S/V)-6P轴流通风机性能曲线、参数表（没有防喘圈）

Performance Curves and Parameter Tables for DTF(R)-8(S/V)-6P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	13242	81	0.63	Y90L-6 1.1	92	100	25	188
	2	11779	113	0.72		93			
	3	10361	135	0.80		95			
22°	1	14012	82	0.66	Y90L-6 1.1	93	100	25	188
	2	12522	115	0.77		93			
	3	11012	140	0.85		95			
25°	1	15166	83	0.70	Y90L-6 1.1	94	100	25	188
	2	13636	119	0.84		94			
	3	11989	146	0.94		97			
27°	1	16926	99	0.91	Y100L-6 1.5	94	100	33	200
	2	15274	135	1.05		94			
	3	13365	162	1.15		96			
28°	1	17806	107	1.01	Y100L-6 1.5	94	100	33	200
	2	16094	142	1.15		94			
	3	14053	170	1.25		96			
29°	1	18686	115	1.12	Y112M-6 2.2	94	100	45	218
	2	16913	150	1.26		94			
	3	14742	178	1.36		96			

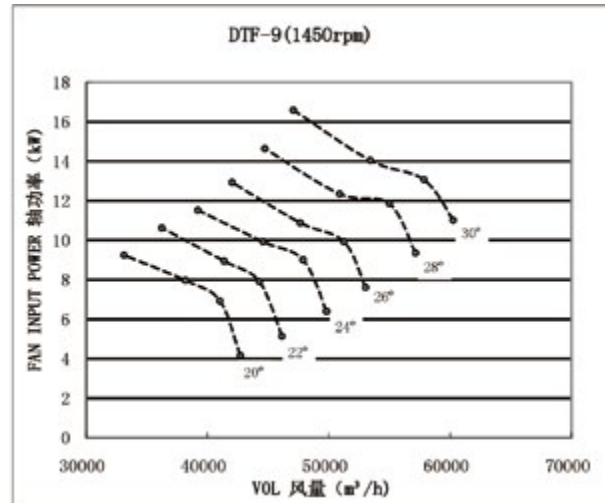
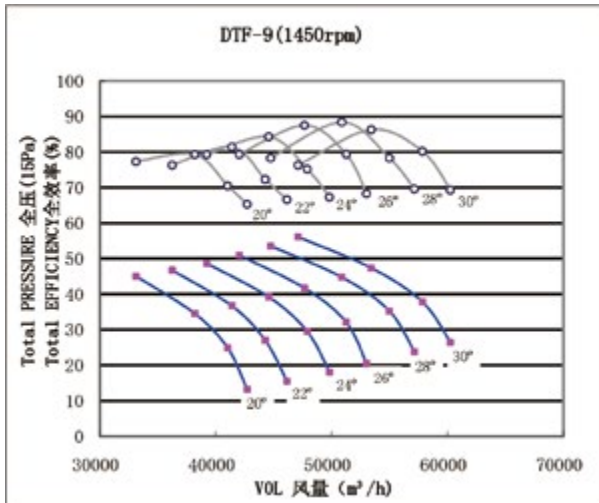
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The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type D - Ducted Inlet, Ducted Outlet. The values shown are for Installation Type D: the sound power levels (inlet Lwi) of the ducted Inlet, and ducted Outlet. Rated values include the effects of duct end corrections. The sound power level rated values shown are in decibels, and referenced sound power is 10⁻¹² watts, calculated in accordance with AMCA International Standard 301.



DTF-9(S/V)-4P轴流通风机性能曲线、参数表（没有防喘圈）

Performance Curves and Parameter Tables for DTF-9(S/V)-4P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	41019	373	6.93	Y160M-4 11	96	130	124	381
	2	38181	518	7.97		97			
	3	33106	676	9.25		97			
22°	1	44258	405	7.92	Y160L-4 15	97	130	147	416
	2	41372	551	8.95		97			
	3	36227	701	10.63		98			
24°	1	47877	443	9.01	Y160L-4 15	98	130	147	416
	2	44567	588	9.93		99			
	3	39201	730	11.53		99			
26°	1	51188	485	10.37	Y180M-4 18.5	99	130	173	455
	2	47512	629	11.30		99			
	3	41827	767	13.22		101			
28°	1	54499	526	11.72	Y180M-4 18.5	100	130	173	455
	2	50457	670	12.68		101			
	3	44452	805	14.91		101			
30°	1	57810	568	13.08	Y180L-4 22	101	130	197	491
	2	53402	711	14.05		101			
	3	47078	842	16.60		102			

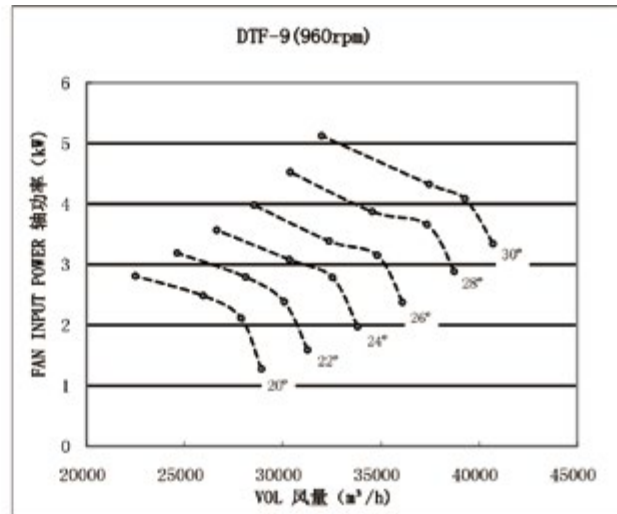
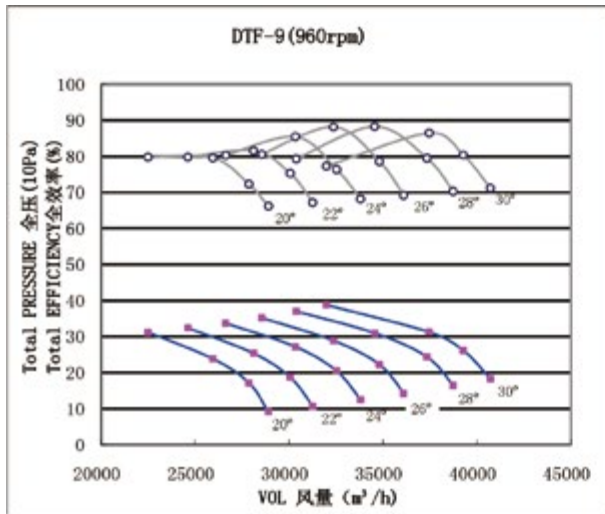
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DTF-9(S/V)-6P轴流通风机性能曲线、参数表（没有防喘圈）

Performance Curves and Parameter Tables for DTF-9(S/V)-6P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	27865	172	2.12	Y132M1-6 4	85	130	73	305
	2	25937	239	2.49		85			
	3	22490	312	2.81		86			
22°	1	30065	187	2.39	Y132M1-6 4	86	130	73	305
	2	28104	254	2.79		86			
	3	24609	324	3.19		87			
24°	1	32524	205	2.79	Y132S-8 2.2	87	130	63	290
	2	30336	272	3.08		87			
	3	26630	337	3.57		88			
26°	1	34773	224	3.22	Y132M2-6 5.5	88	130	84	321
	2	32711	286	3.50		88			
	3	28414	354	4.09		89			
28°	1	37022	243	3.65	Y132M2-6 5.5	89	130	84	321
	2	35085	299	3.91		89			
	3	30197	371	4.61		90			
30°	1	39271	262	4.09	Y160M-6 7.5	90	130	121	377
	2	37460	313	4.33		90			
	3	31981	388	5.13		91			

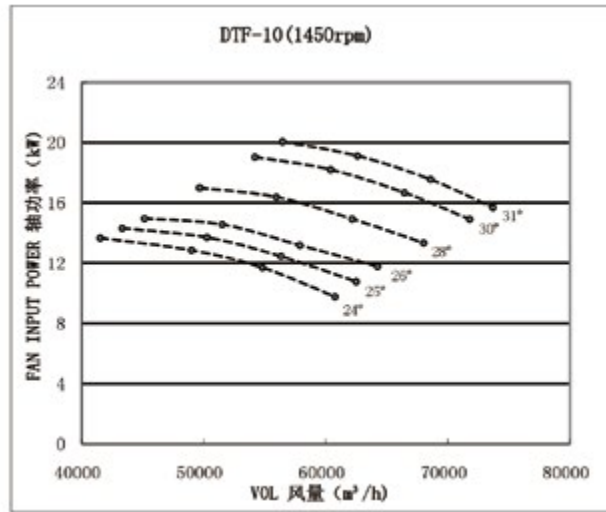
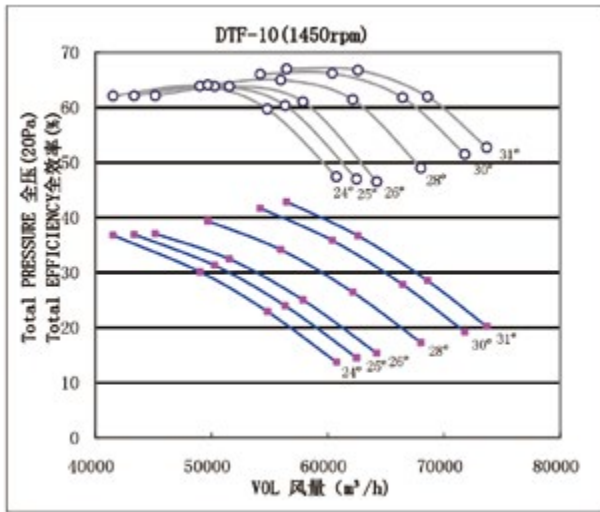
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DTF-10(H/S/V) – 4P 轴流通风机性能曲线、参数表（没有防喘圈）

Performance Curves and Parameter Tables for DTF-10(H/S/V)-4P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
24°	1	54799	459	11.72	Y180M-4 18.5	113	170	173	549
	2	48986	603	12.84		112			
	3	41513	736	13.65		114			
25°	1	56332	480	12.46	Y180M-4 18.5	113	170	173	549
	2	50252	627	13.69		113			
	3	43331	738	14.29		115			
26°	1	57865	501	13.19	Y180M-4 18.5	113	170	173	540
	2	51519	650	14.54		113			
	3	45150	741	14.92		115			
28°	1	62147	529	14.92	Y180L-4 22	114	170	197	587
	2	55950	684	16.35		114			
	3	49671	787	16.97		115			
30°	1	66428	557	16.66	Y180L-4 22	115	170	197	587
	2	60381	717	18.17		114			
	3	54192	834	19.03		114			
31°	1	68569	571	17.52	Y200L-4 30	115	170	255	680
	2	62596	734	19.08		114			
	3	56453	857	20.05		114			

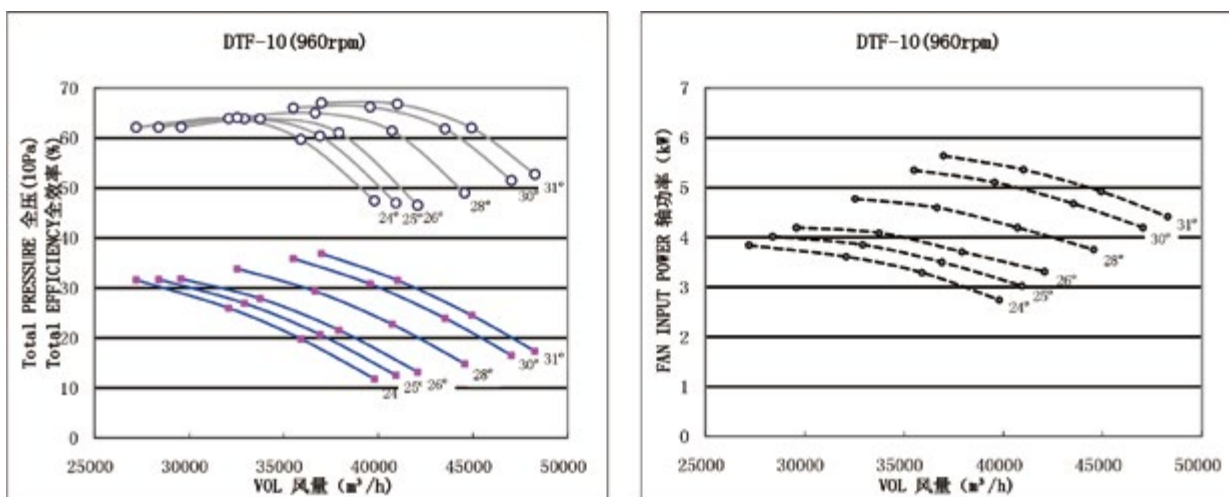
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The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type D - Ducted Inlet, Ducted Outlet. The values shown are for Installation Type D: the sound power levels (inlet Lwi) of the ducted Inlet, and ducted Outlet. Rated values include the effects of duct end corrections. The sound power level rated values shown are in decibels, and referenced sound power is 10⁻¹² watts, calculated in accordance with AMCA International Standard 301.



DTF-10(H/S/V) - 6P 轴流通风机性能曲线、参数表 (没有防喘圈)

Performance Curves and Parameter Tables for DTF-10(H/S/V)-6P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
24°	1	36281	201	3.40	Y132M2-6 5.5	103	170	84	406
	2	32432	264	3.73		103			
	3	27484	323	3.96		105			
25°	1	37296	210	3.61	Y132M2-6 5.5	103	170	84	406
	2	33270	275	3.97		103			
	3	28688	324	4.15		105			
26°	1	38311	220	3.83	Y132M2-6 5.5	104	170	84	406
	2	34109	285	4.22		103			
	3	29893	325	4.33		105			
28°	1	41145	232	4.33	Y160M-6 7.5	104	170	121	466
	2	37042	300	4.75		104			
	3	32886	345	4.93		105			
30°	1	43980	244	4.83	Y160M-6 7.5	105	170	121	466
	2	39976	314	5.27		104			
	3	35879	366	5.52		104			
31°	1	45397	250	5.09	Y160M-6 7.5	105	170	121	466
	2	41443	322	5.54		104			
	3	37376	376	5.82		104			

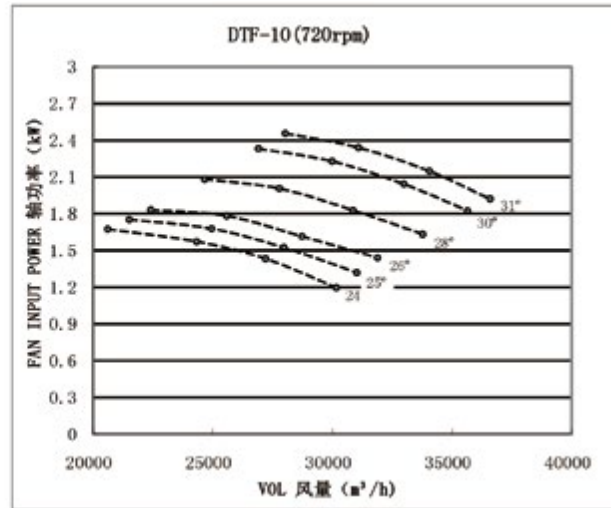
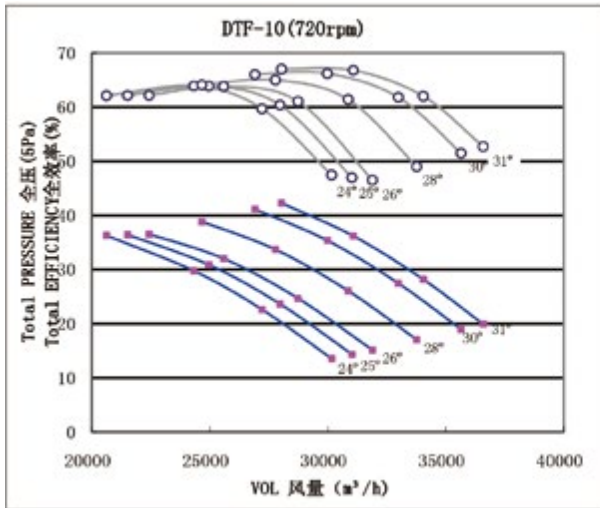
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The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type D - Ducted Inlet, Ducted Outlet. The values shown are for Installation Type D: the sound power levels (inlet Lwi) of the ducted Inlet, and ducted Outlet. Rated values include the effects of duct end corrections. The sound power level rated values shown are in decibels, and referenced sound power is 10^{-12} watts, calculated in accordance with AMCA International Standard 301.



DTF-10(H/S/V) – 8P 轴流通风机性能曲线、参数表（没有防喘圈）

Performance Curves and Parameter Tables for DTF-10(H/S/V)-8P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
24°	1	27211	113	1.43	Y132S-8 2.2	96	170	63	373
	2	24324	149	1.57		96			
	3	20613	182	1.67		98			
25°	1	27972	118	1.52	Y132S-8 2.2	96	170	63	373
	2	24953	155	1.68		96			
	3	21516	182	1.75		98			
26°	1	28733	123	1.62	Y132S-8 2.2	97	170	63	373
	2	25582	160	1.78		97			
	3	22419	183	1.83		98			
28°	1	30859	130	1.83	Y132M-8 3	97	170	79	398
	2	27782	169	2.00		97			
	3	24664	194	2.08		98			
30°	1	32985	137	2.04	Y132M-8 3	98	170	79	398
	2	29982	177	2.22		97			
	3	26909	206	2.33		98			
31°	1	34048	141	2.15	Y132M-8 3	98	170	79	398
	2	31082	181	2.34		98			
	3	28032	211	2.46		97			

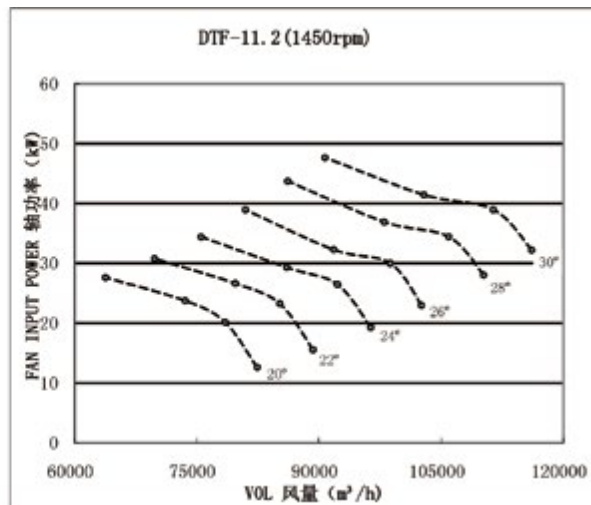
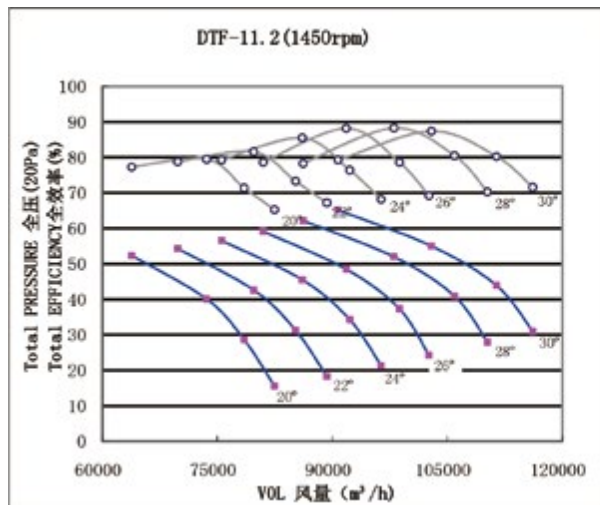
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DTF-11.2(H/S/V) – 4P 轴流通风机性能曲线、参数表 (没有防喘圈)

Performance Curves and Parameter Tables for DTF-11.2(H/S/V)-4P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	79053	578	20.15	Y225S-4 37	104	220	284	806
	2	73583	803	23.74		104			
	3	63803	1047	27.61		104			
22°	1	85294	627	23.25	Y225S-4 37	104	220	284	806
	2	79732	853	26.62		104			
	3	69817	1086	30.74		105			
24°	1	92269	686	26.47	Y225M-4 45	105	220	320	864
	2	86063	911	29.29		106			
	3	75548	1131	34.42		107			
26°	1	98650	750	30.63	Y250M-4 55	106	220	400	992
	2	91681	974	33.33		107			
	3	80608	1189	38.83		107			
28°	1	105030	815	34.79	Y250M-4 55	107	220	400	992
	2	97298	1038	37.37		108			
	3	85669	1246	43.25		109			
30°	1	111411	879	38.96	Y280S-4 75	109	220	560	1248
	2	102916	1101	41.41		109			
	3	90729	1304	47.66		110			

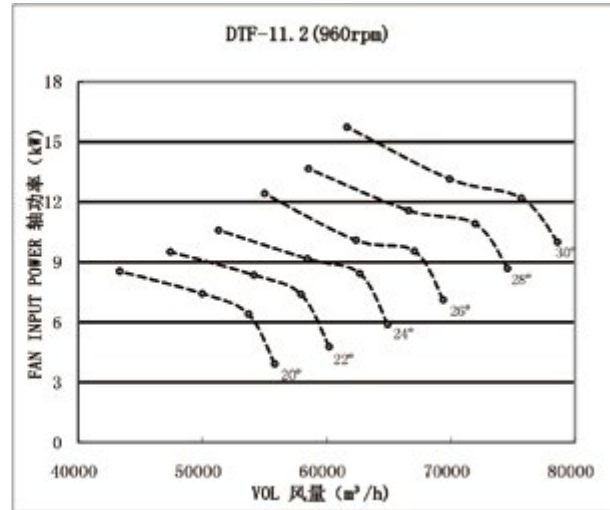
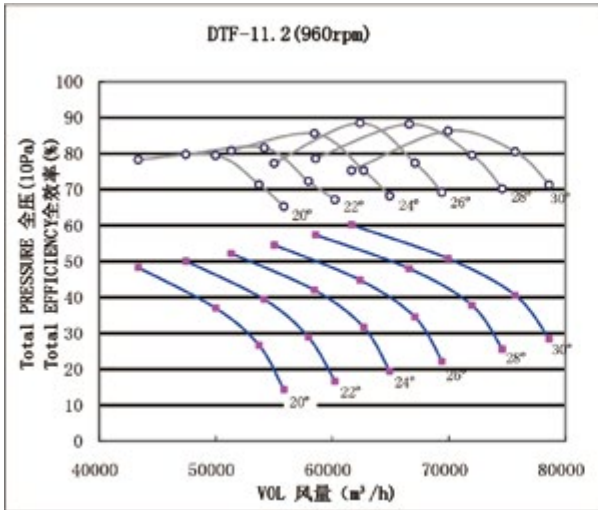
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DTF-11.2(H/S/V) – 6P 轴流通风机性能曲线、参数表 (没有防喘圈)

Performance Curves and Parameter Tables for DTF-11.2(H/S/V)-6P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	53701	267	6.41	Y160L-6 11	92	220	146	586
	2	49986	370	7.43		92			
	3	43342	483	8.54		93			
22°	1	57941	289	7.40	Y180L-6 15	93	220	186	650
	2	54163	394	8.35		93			
	3	47427	501	9.51		94			
24°	1	62679	317	8.43	Y80L-6 15	94	220	186	650
	2	58464	420	9.16		95			
	3	51321	522	10.59		95			
26°	1	67014	347	9.68	Y180L-6 15	95	220	186	650
	2	62280	449	10.49		95			
	3	54758	549	12.27		96			
28°	1	71348	376	10.94	Y200L1-6 18.5	96	220	235	728
	2	66096	479	11.82		97			
	3	58196	575	13.96		97			
30°	1	75683	406	12.19	Y200L1-6 18.5	97	220	235	728
	2	69912	508	13.15		97			
	3	61633	602	15.64		98			

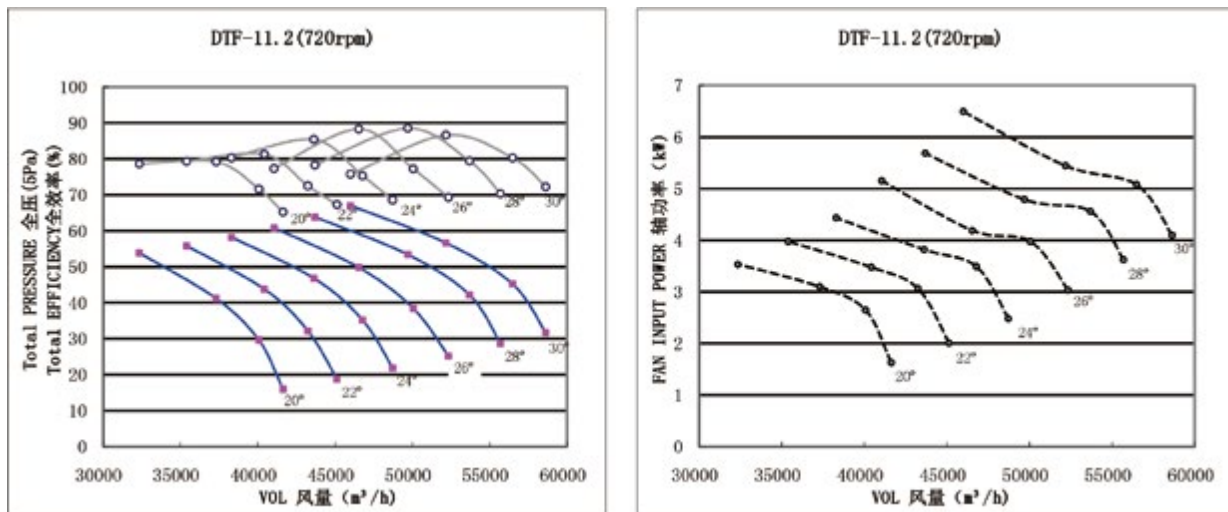
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DTF-11.2(H/S/V) – 8P 轴流通风机性能曲线、参数表（没有防喘圈）

Performance Curves and Parameter Tables for DTF-11.2(H/S/V)-8P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	40071	148	2.65	Y160M2-8 5.5	83	220	121	546
	2	37299	206	3.10		83			
	3	32341	269	3.54		84			
22°	1	43235	161	3.07	Y160M2-8 5.5	84	220	121	546
	2	40416	219	3.48		84			
	3	35390	279	3.98		85			
24°	1	46771	176	3.49	Y160M2-8 5.5	85	220	121	546
	2	43625	234	3.82		86			
	3	38295	291	4.43		86			
26°	1	50005	193	4.02	Y160L-8 7.5	86	220	147	587
	2	46473	250	4.36		87			
	3	40860	306	5.12		87			
28°	1	53240	209	4.55	Y160L-8 7.5	88	220	147	587
	2	49320	267	4.90		88			
	3	43425	320	5.81		88			
30°	1	56474	226	5.08	Y180L-8 11	88	220	182	643
	2	52168	283	5.45		88			
	3	45990	335	6.49		89			

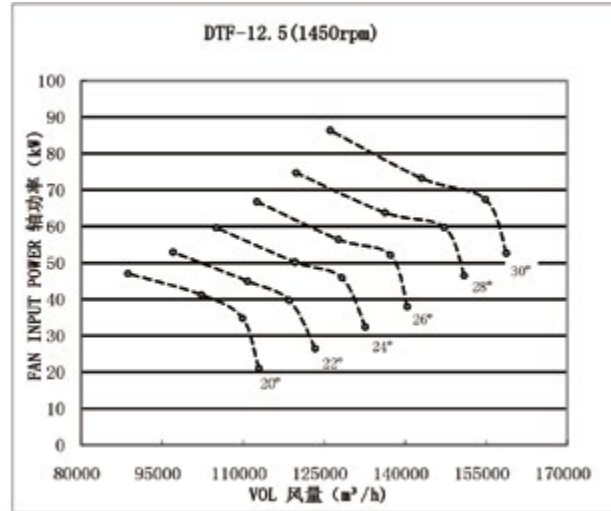
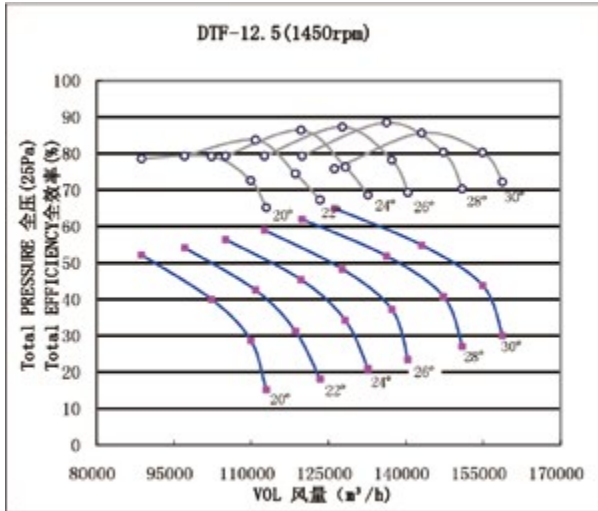
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DTF-12.5(H/S/V) – 4P 轴流通风机性能曲线、参数表（没有防喘圈）

Performance Curves and Parameter Tables for DTF-12.5(H/S/V)-4P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	109899	719	34.77	Y280S-4 75	108	330	560	1424
	2	102295	1000	41.26		108			
	3	88698	1304	47.01		109			
22°	1	118575	781	39.71	Y280S-4 75	109	330	560	1424
	2	110843	1063	44.97		109			
	3	97059	1353	52.90		110			
24°	1	128272	855	45.92	Y280S-4 75	110	330	560	1424
	2	119645	1135	50.21		111			
	3	105027	1409	59.61		111			
26°	1	137142	935	53.10	Y280M-4 90	111	330	660	1587
	2	127455	1214	57.87		111			
	3	112062	1481	68.52		112			
28°	1	146013	1015	60.28	Y280M-4 90	112	330	660	1587
	2	135264	1292	65.54		112			
	3	119096	1552	77.42		113			
30°	1	154883	1095	67.47	Y315S-4 110	113	330	1000	2128
	2	143074	1371	73.20		113			
	3	126131	1624	86.32		114			

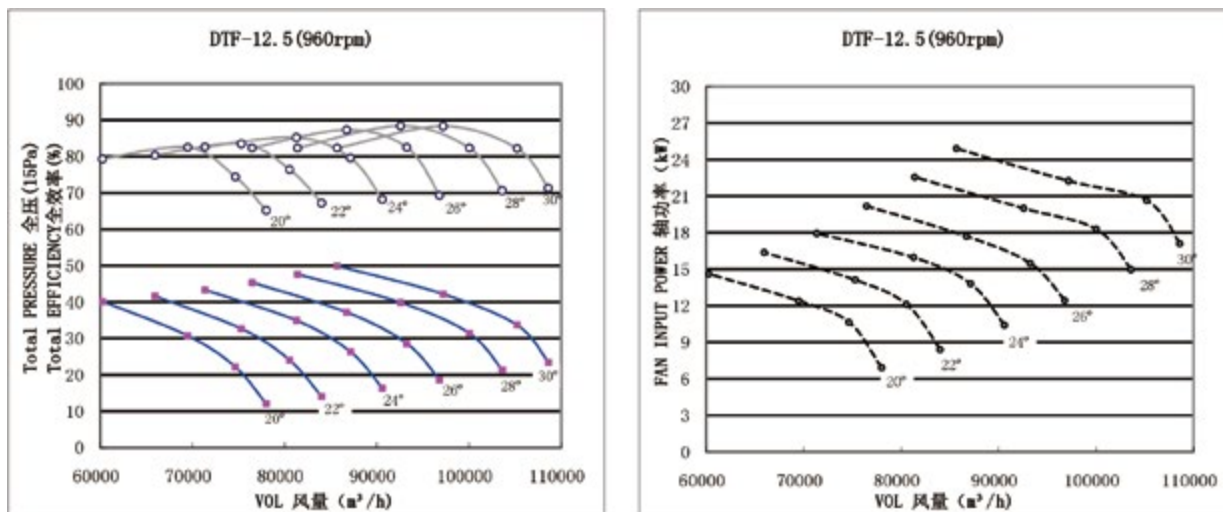
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DTF-12.5(H/S/V) – 6P 轴流通风机性能曲线、参数表 (没有防喘圈)

Performance Curves and Parameter Tables for DTF-12.5(H/S/V)-6P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	74655	332	10.64	Y200L1-6 18.5	96	330	235	904
	2	69490	461	12.40		96			
	3	60254	602	14.61		97			
22°	1	80549	360	12.12	Y200L2-6 22	97	330	260	944
	2	75297	490	14.12		97			
	3	65933	624	16.37		98			
24°	1	87137	395	13.81	Y200L2-6 22	98	330	260	944
	2	81276	524	15.97		98			
	3	71349	650	17.94		99			
26°	1	93163	432	16.09	Y225M-6 30	99	330	302	1011
	2	86581	560	18.06		99			
	3	76127	683	20.26		100			
28°	1	99188	468	18.37	Y225M-6 30	100	330	302	1011
	2	91887	597	20.16		100			
	3	80904	716	22.58		101			
30°	1	105214	505	20.65	Y225M-6 30	101	330	302	1011
	2	97192	633	22.26		101			
	3	85682	749	24.91		102			

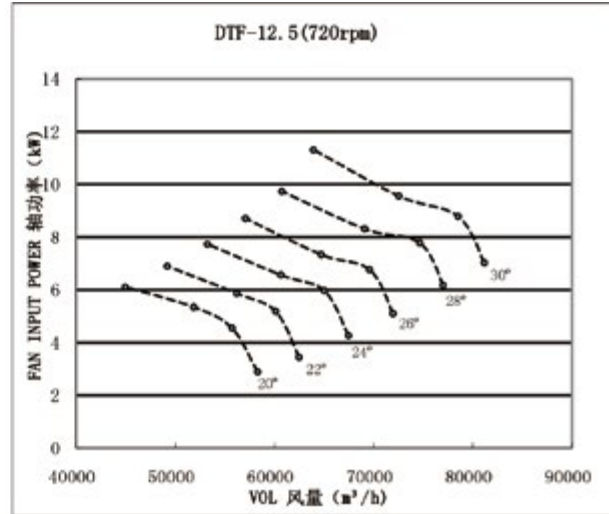
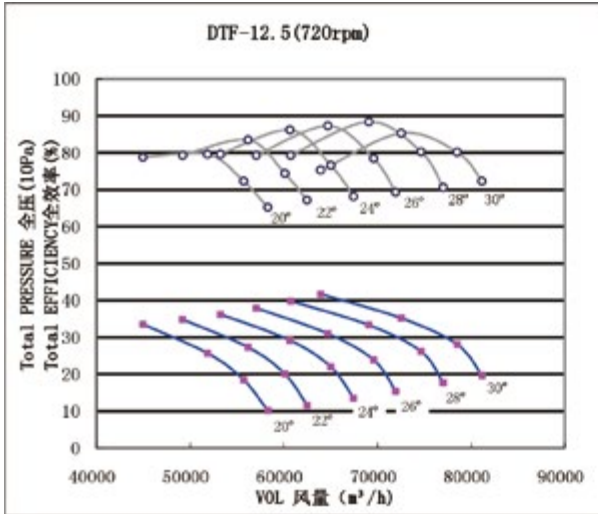
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DTF-12.5(H/S/V) – 8P 轴流通风机性能曲线、参数表（没有防喘圈）

Performance Curves and Parameter Tables for DTF-12.5(H/S/V)-8P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	55707	185	4.55	Y160L-8 7.5	87	330	147	763
	2	51853	257	5.35		87			
	3	44961	335	6.11		88			
22°	1	60105	201	5.19	Y180L-8 11	88	330	182	819
	2	56186	273	5.87		88			
	3	49199	348	6.90		89			
24°	1	65021	220	5.97	Y180L-8 11	89	330	182	819
	2	60647	292	6.56		90			
	3	53238	362	7.73		90			
26°	1	69517	240	6.91	Y180L-8 11	90	330	182	819
	2	64606	312	7.56		91			
	3	56804	380	8.93		91			
28°	1	74014	261	7.85	Y200L-8 15	91	330	290	992
	2	68565	332	8.56		91			
	3	60369	399	10.12		92			
30°	1	78510	281	8.79	Y200L-8 15	92	330	290	992
	2	72524	352	9.56		92			
	3	63935	417	11.31		93			

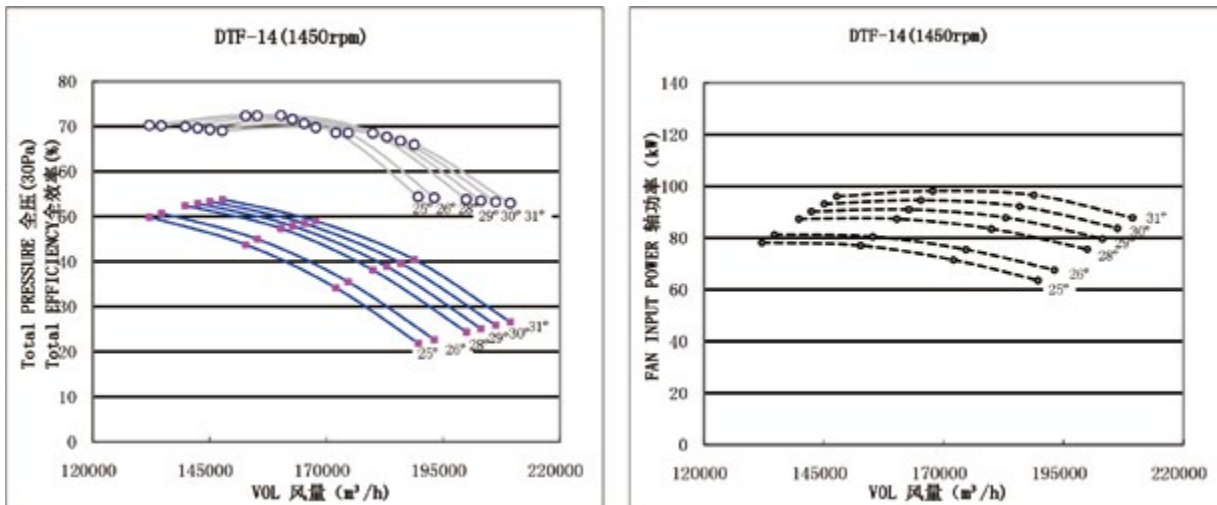
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DTF-14(H/S/V) - 4P 轴流通风机性能曲线、参数表 (带防喘圈)

Performance Curves and Parameter Tables for DTF-14(H/S/V)-4P Axial Flow Fan (with anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
25°	1	172041	1026	71.31	Y315S-4 110	122	463	1000	2341
	2	152716	1312	77.04		120			
	3	132108	1497	77.97		121			
26°	1	174612	1065	75.41	Y315S-4 110	121	463	1000	2341
	2	155260	1348	80.47		120			
	3	134627	1522	81.02		121			
28°	1	179756	1144	83.61	Y315S-4 110	121	463	1000	2341
	2	160348	1421	87.31		120			
	3	139666	1573	87.12		121			
29°	1	182724	1166	87.72	Y315S-4 110	121	463	1000	2341
	2	162836	1438	90.91		120			
	3	142436	1587	90.18		121			
30°	1	185693	1189	91.83	Y315S-4 110	121	463	1000	2341
	2	165324	1455	94.50		120			
	3	145206	1601	93.25		121			
31°	1	188661	1211	95.95	Y315M-4 132	121	463	1100	2501
	2	167813	1472	98.09		120			
	3	147977	1615	96.31		120			

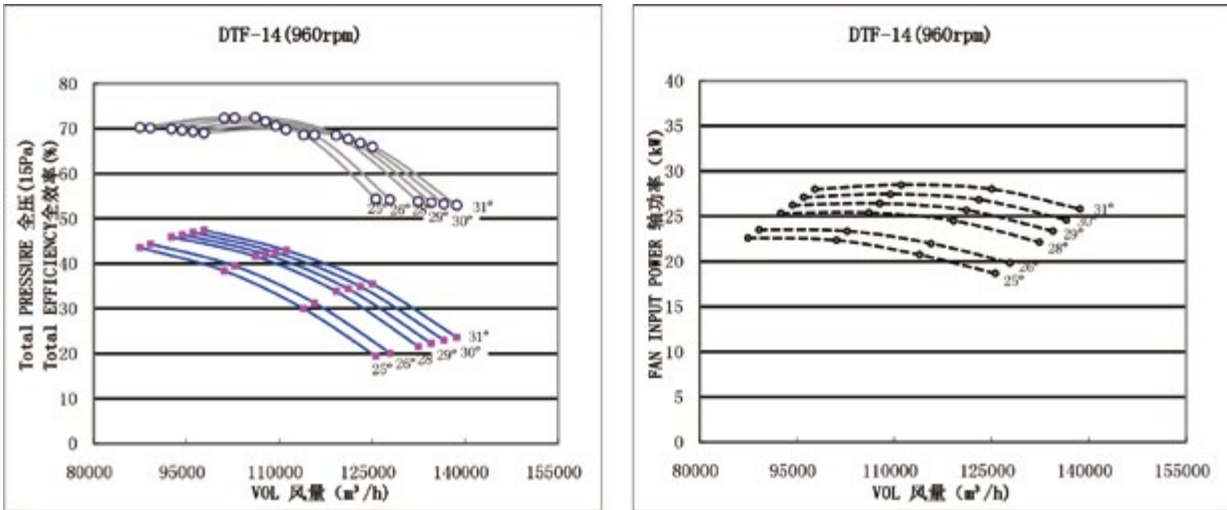
各项性能额定值不包括附属物（附件）的影响。经认证的性能是A类安装-自由入口，自由出口。所示值为安装类型A：自由入口，自由出口的声功率级（出口Lwo）。所示声功率级额定值以分贝为单位，参考声功率为10⁻¹²瓦，按照AMCA International 标准301计算。

The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type A - Free Inlet, Free Outlet. The values shown are for Installation Type A: the sound power levels (outlet Lwo) of free Inlet, and free outlet. The sound power level ratings shown are in decibels. The referenced sound power is 10⁻¹² watts, calculated in accordance with AMCA International Standard 301.



DTF-14(H/S/V) – 6P 轴流通风机性能曲线、参数表（带防喘圈）

Performance Curves and Parameter Tables for DTF-14(H/S/V)-6P Axial Flow Fan (with anti-surge ring)



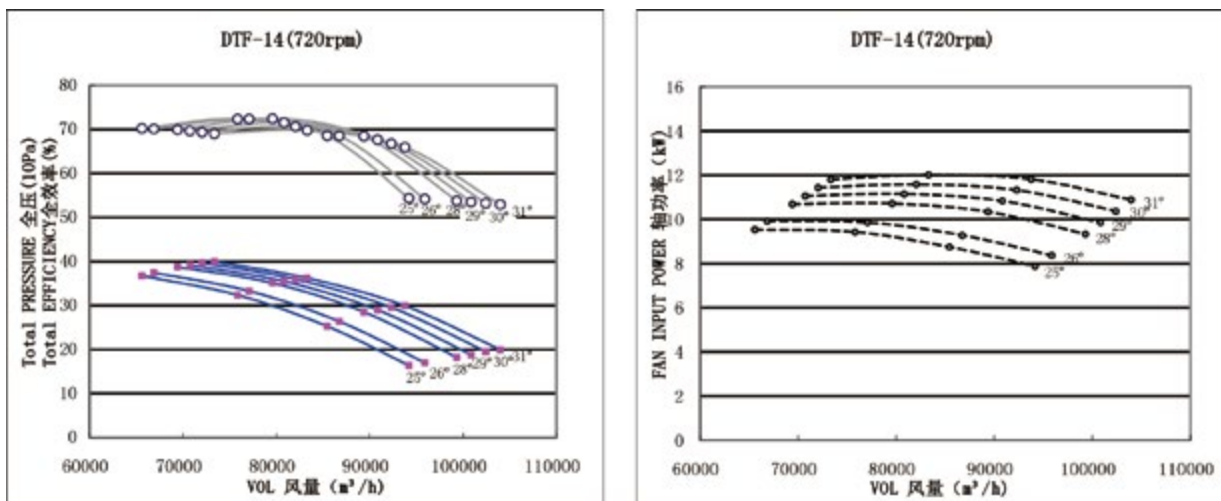
安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
25°	1	113903	450	20.70	Y225M-6 30	112	463	302	1224
	2	101109	575	22.36		110			
	3	87464	656	22.63		111			
26°	1	115606	467	21.88	Y225M-6 30	112	463	302	1224
	2	102793	591	23.35		110			
	3	89133	667	23.51		111			
28°	1	119011	501	24.26	Y225M-6 30	111	463	302	1224
	2	106161	623	25.34		110			
	3	92469	689	25.28		111			
29°	1	120976	511	25.46	Y250M-6 37	111	463	400	1381
	2	107809	630	26.38		110			
	3	94303	696	26.17		111			
30°	1	122941	521	26.65	Y250M-6 37	111	463	400	1381
	2	109456	638	27.42		110			
	3	96137	702	27.06		111			
31°	1	124907	531	27.84	Y250M-6 37	111	463	400	1381
	2	111103	645	28.47		110			
	3	97971	708	27.95		111			

各项性能额定值不包括附属物（附件）的影响。经认证的性能是A类安装-自由入口，自由出口。所示值为安装类型A：自由入口，自由出口的声功率级（出口Lwo）。所示声功率级额定值以分贝为单位，参考声功率为10⁻¹²瓦，按照AMCA International 标准301计算。

The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type A - Free Inlet, Free Outlet. The values shown are for Installation Type A: the sound power levels (outlet Lwo) of free inlet, and free outlet. The sound power level ratings shown are in decibels. The referenced sound power is 10⁻¹² watts, calculated in accordance with AMCA International Standard 301.

DTF-14(H/S/V) – 8P 轴流通风机性能曲线、参数表（带防喘圈）

Performance Curves and Parameter Tables for DTF-14(H/S/V)-8P Axial Flow Fan (with anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
25°	1	85427	253	8.73	Y200L-8 15	105	1100	290	2224
	2	75832	323	9.43		103			
	3	65598	369	9.55		104			
26°	1	86704	263	9.23	Y200L-8 15	105	1100	290	2224
	2	77095	332	9.85		103			
	3	66849	375	9.92		104			
28°	1	89258	282	10.24	Y200L-8 15	104	1100	290	2224
	2	79621	350	10.69		104			
	3	69352	388	10.67		104			
29°	1	90732	288	10.74	Y200L-8 15	104	1100	290	2224
	2	80857	355	11.13		103			
	3	70727	391	11.04		104			
30°	1	92206	293	11.24	Y200L-8 15	104	1100	290	2224
	2	82092	359	11.57		103			
	3	72103	395	11.42		104			
31°	1	93680	299	11.75	Y200L-8 15	104	1100	290	2224
	2	83328	363	12.01		103			
	3	73478	398	11.79		104			

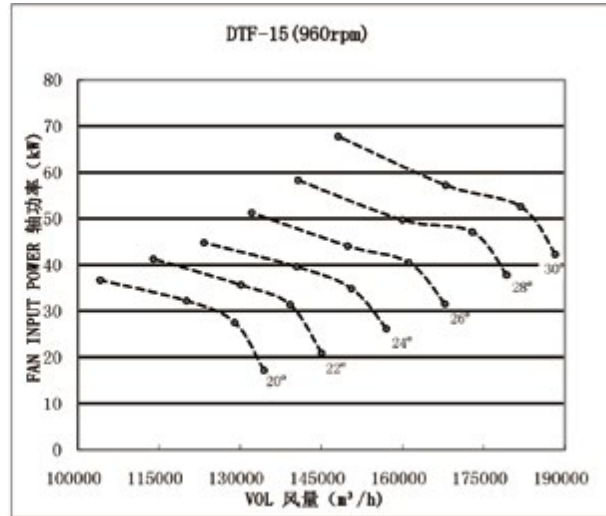
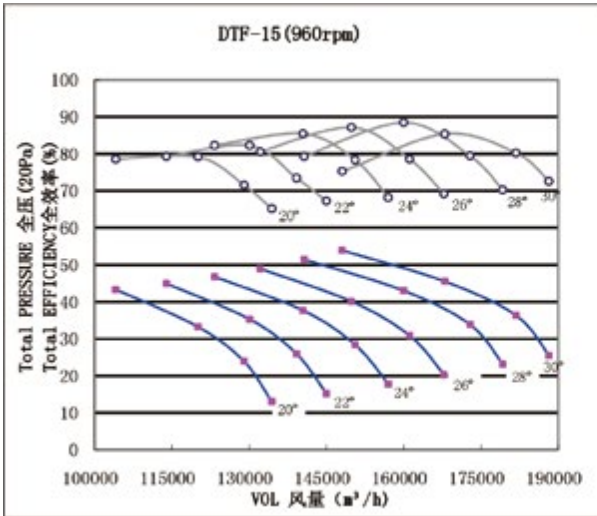
各项性能额定值不包括附属物（附件）的影响。经认证的性能是A类安装-自由入口，自由出口。所示值为安装类型A：自由入口，自由出口的声功率级（出口Lwo）。所示声功率级额定值以分贝为单位，参考声功率为10⁻¹²瓦，按照AMCA International 标准301计算。

The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type A - Free Inlet, Free Outlet. The values shown are for Installation Type A: the sound power levels (outlet Lwo) of free Inlet, and free outlet. The sound power level ratings shown are in decibels. The referenced sound power is 10⁻¹² watts, calculated in accordance with AMCA International Standard 301.



DTF-15(H/S/V) – 6P 轴流通风机性能曲线、参数表（带防喘圈）

Performance Curves and Parameter Tables for DTF-15(H/S/V)-6P Axial Flow Fan (with anti-surge ring)



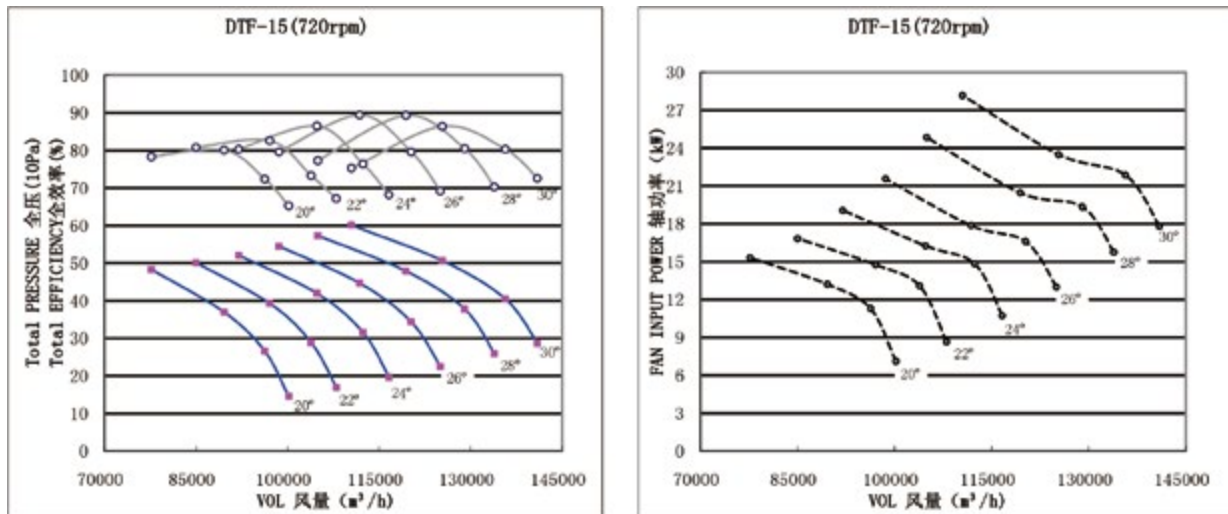
安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	129004	478	27.51	Y280S-6 45	102	550	533	1733
	2	120079	665	32.21		102			
	3	104118	867	36.69		103			
22°	1	139189	519	31.40	Y280M-6 55	103	550	590	1824
	2	130113	706	35.66		103			
	3	113933	899	41.26		104			
24°	1	150572	568	34.85	Y280M-6 55	103	550	590	1824
	2	140445	754	39.56		104			
	3	123285	936	44.79		105			
26°	1	160984	621	40.76	Y315S-6 75	105	550	990	2464
	2	149612	806	45.45		105			
	3	131543	984	52.45		106			
28°	1	171397	674	46.67	Y315S-6 75	106	550	990	2464
	2	158780	859	51.34		106			
	3	139800	1031	60.11		107			
30°	1	181809	727	52.58	Y315M-6 90	107	550	1050	2560
	2	167947	911	57.23		107			
	3	148058	1079	67.77		107			

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DTF-15(H/S/V) – 8P 轴流通风机性能曲线、参数表（带防喘圈）

Performance Curves and Parameter Tables for DTF-15(H/S/V)-8P Axial Flow Fan (with anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	96262	266	11.30	Y225S-8 18.5	94	550	376	1482
	2	89602	370	13.22		94			
	3	77692	483	15.31		94			
22°	1	103862	289	13.08	Y225M-8 22	94	550	303	1365
	2	97089	393	14.76		95			
	3	85016	501	16.84		96			
24°	1	112356	316	14.85	Y250M-8 30	95	550	400	1520
	2	104799	420	16.25		96			
	3	91995	521	19.07		97			
26°	1	120126	346	17.18	Y250M-8 30	96	550	400	1520
	2	111640	449	18.67		97			
	3	98157	548	22.10		97			
28°	1	127895	375	19.52	Y250M-8 30	97	550	400	1520
	2	118480	478	21.08		98			
	3	104318	574	25.13		98			
30°	1	135665	405	21.86	Y280S-8 37	98	550	522	1715
	2	125321	507	23.49		99			
	3	110480	601	28.17		99			

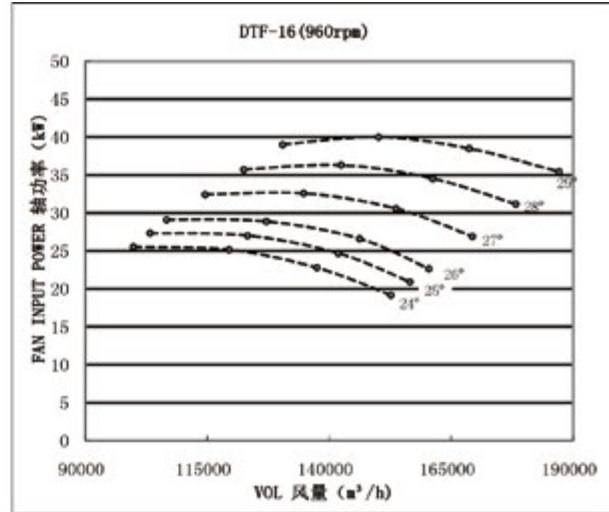
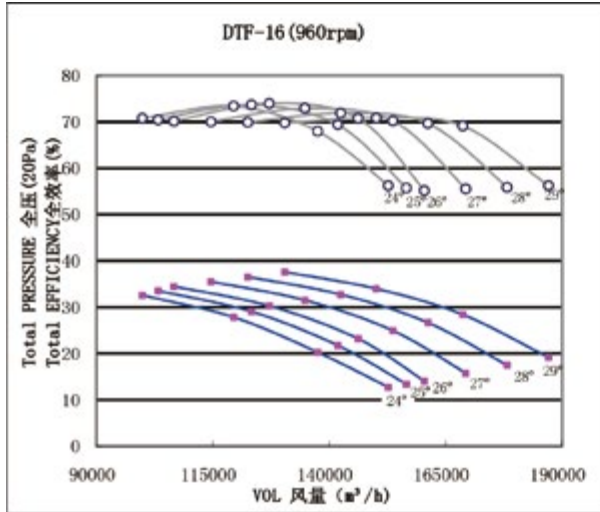
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DTF-16(H/S/V) – 6P 轴流通风机性能曲线、参数表（带防喘圈）

Performance Curves and Parameter Tables for DTF-16(H/S/V)-6P Axial Flow Fan (with anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
24°	1	137494	406	22.83	Y250M-6 37	114	1020	400	2272
	2	119453	557	25.17		114			
	3	99871	652	25.54		112			
25°	1	141845	435	24.69	Y250M-6 37	115	1020	400	2272
	2	123276	581	27.03		114			
	3	103265	671	27.33		114			
26°	1	146196	464	26.56	Y250M-6 37	116	1020	400	2272
	2	127098	605	28.89		113			
	3	106659	689	29.12		115			
27°	1	153693	499	30.53	Y280S-6 45	118	1020	533	2485
	2	134768	629	32.67		115			
	3	114587	710	32.41		117			
28°	1	161190	533	34.50	Y280S-6 45	119	1020	533	2485
	2	142438	654	36.45		118			
	3	122515	731	35.71		118			
29°	1	168687	568	38.47	Y280M-6 55	121	1020	590	2576
	2	150108	678	40.22		120			
	3	130443	752	39.01		120			

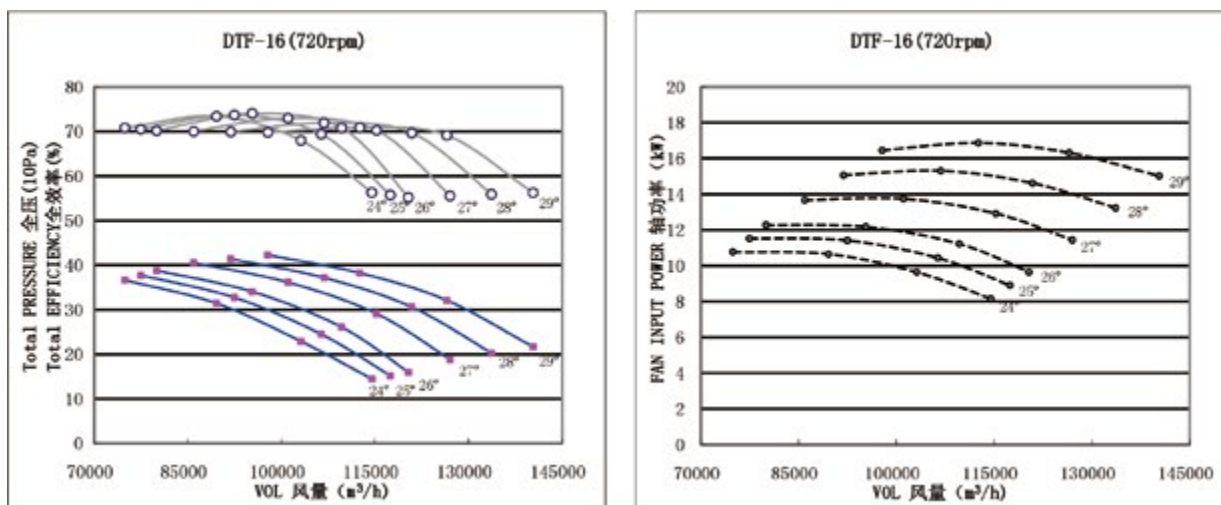
各项性能额定值不包括附属物（附件）的影响。经认证的性能是A类安装-自由入口，自由出口。所示值为安装类型A：自由入口，自由出口的声功率级（出口Lwo）。所示声功率级额定值以分贝为单位，参考声功率为10⁻¹²瓦，按照AMCA International 标准301计算。

The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type A - Free Inlet, Free Outlet. The values shown are for Installation Type A: the sound power levels (outlet Lwo) of free Inlet, and free outlet. The sound power level ratings shown are in decibels. The referenced sound power is 10⁻¹² watts, calculated in accordance with AMCA International Standard 301.



DTF-16(H/S/V) – 8P 轴流通风机性能曲线、参数表（带防喘圈）

Performance Curves and Parameter Tables for DTF-16(H/S/V)-8P Axial Flow Fan (with anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
24°	1	103120	228	9.63	Y200L-8 15	107	1020	290	2096
	2	89590	313	10.62		105			
	3	74904	367	10.78		114			
25°	1	106383	245	10.42	Y200L-8 15	107	1020	290	2096
	2	92457	327	11.40		107			
	3	77449	377	11.53		112			
26°	1	109647	261	11.21	Y200L-8 15	106	1020	290	2096
	2	95323	340	12.19		108			
	3	79994	388	12.28		109			
27°	1	115270	281	12.88	Y225S-8 18.5	109	1020	376	2234
	2	101076	354	13.78		110			
	3	85940	400	13.67		111			
28°	1	120893	300	14.55	Y225S-8 18.5	111	1020	376	2234
	2	106828	368	15.38		111			
	3	91886	411	15.07		113			
29°	1	126516	319	16.23	Y225M-8 22	113	1020	303	2117
	2	112581	382	16.97		113			
	3	97832	423	16.46		114			

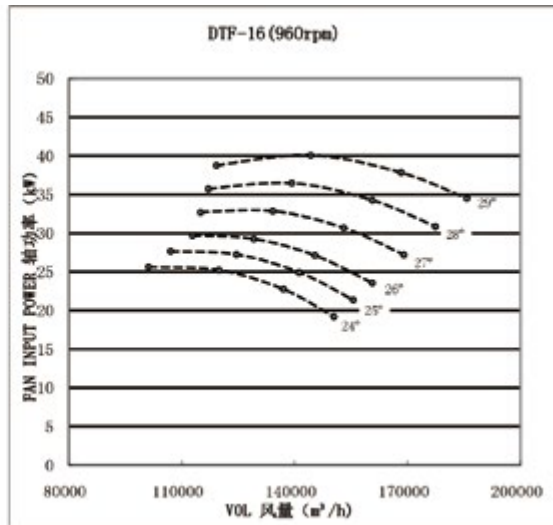
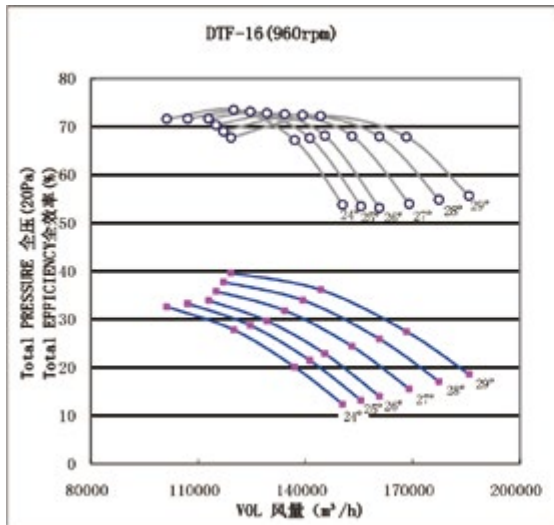
各项性能额定值不包括附属物（附件）的影响。经认证的性能是A类安装-自由入口，自由出口。所示值为安装类型A：自由入口，自由出口的声功率级（出口Lwo）。所示声功率级额定值以分贝为单位，参考声功率为10⁻¹²瓦，按照AMCA International 标准301计算。

The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type A - Free Inlet, Free Outlet. The values shown are for Installation Type A: the sound power levels (outlet Lwo) of free Inlet, and free outlet. The sound power level ratings shown are in decibels. The referenced sound power is 10⁻¹² watts, calculated in accordance with AMCA International Standard 301.



DTF-16(H/S/V) – 6P 轴流通风机性能曲线、参数表（没有防喘圈）

Performance Curves and Parameter Tables for DTF-16(H/S/V)-6P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
24°	1	137017	402	22.73	Y250M-6 37	115	1020	400	2272
	2	119930	557	25.23		113			
	3	101240	652	25.54		118			
25°	1	141229	429	24.96	Y250M-6 37	115	1020	400	2272
	2	124572	575	27.28		113			
	3	107074	665	27.60		117			
26°	1	145442	457	27.19	Y250M-6 37	115	1020	400	2272
	2	129213	594	29.32		113			
	3	112908	678	29.66		116			
27°	1	153055	488	30.71	Y280S-6 45	117	1020	533	2485
	2	134233	637	32.88		115			
	3	115009	716	32.66		118			
28°	1	160667	519	34.22	Y280S-6 45	118	1020	533	2485
	2	139254	680	36.43		117			
	3	117110	754	35.66		120			
29°	1	168280	549	37.74	Y280M-6 55	120	1020	590	2576
	2	144274	723	39.98		120			
	3	119211	793	38.66		121			

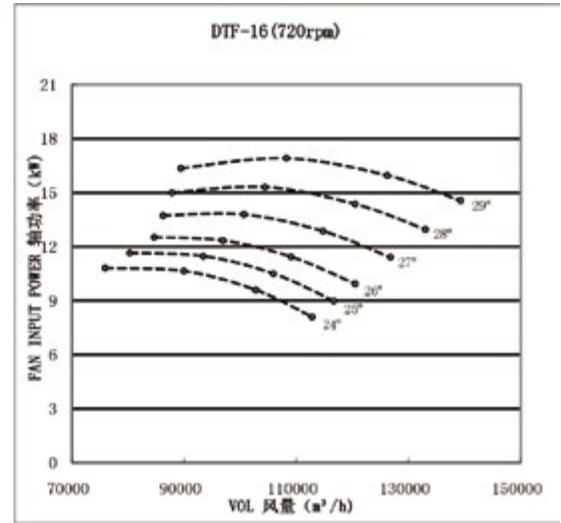
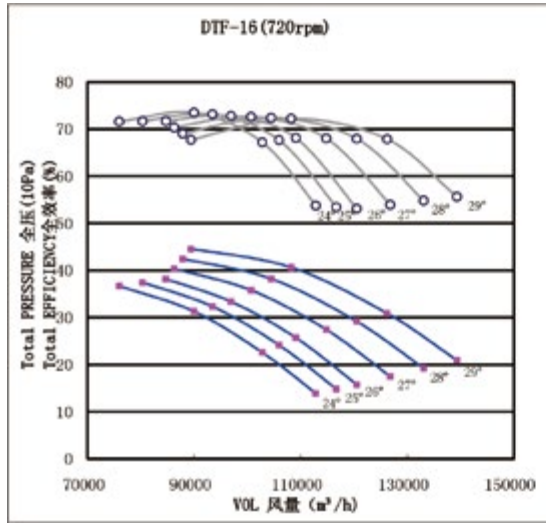
各项性能额定值不包括附属物（附件）的影响。经认证的性能是A类安装-自由入口，自由出口。所示值为安装类型A：自由入口，自由出口的声功率级（出口Lwo）。所示声功率级额定值以分贝为单位，参考声功率为10⁻¹²瓦，按照AMCA International 标准301计算。

The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type A - Free Inlet, Free Outlet. The values shown are for Installation Type A: the sound power levels (outlet Lwo) of free Inlet, and free outlet. The sound power level ratings shown are in decibels. The referenced sound power is 10⁻¹² watts, calculated in accordance with AMCA International Standard 301.



DTF-16(H/S/V) – 8P 轴流通风机性能曲线、参数表（没有防喘圈）

Performance Curves and Parameter Tables for DTF-16(H/S/V)-8P Axial Flow Fan (without anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
24°	1	102762	226	9.59	Y200L-8 15	108	1020	290	2096
	2	89948	313	10.65		106			
	3	75930	367	10.77		112			
25°	1	105922	242	10.53	Y200L-8 15	108	1020	290	2096
	2	93429	323	11.51		106			
	3	80305	374	11.64		110			
26°	1	109082	257	11.47	Y200L-8 15	109	1020	290	2096
	2	96910	334	12.37		106			
	3	84681	382	12.51		109			
27°	1	114791	274	12.96	Y225S-8 18.5	110	1020	376	2234
	2	100675	358	13.87		108			
	3	86257	403	13.78		111			
28°	1	120500	292	14.44	Y225S-8 18.5	111	1020	376	2234
	2	104440	382	15.37		111			
	3	87833	424	15.04		113			
29°	1	126210	309	15.92	Y225M-8 22	113	1020	303	2117
	2	108206	406	16.87		113			
	3	89408	446	16.31		115			

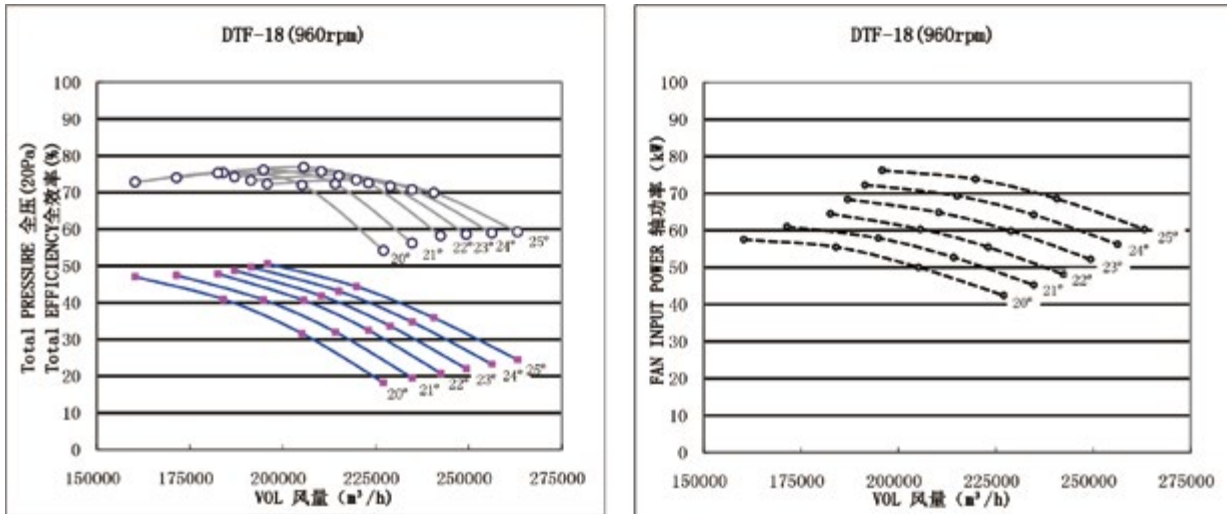
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The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type A - Free Inlet, Free Outlet. The values shown are for Installation Type A: the sound power levels (outlet Lwo) of free Inlet, and free outlet. The sound power level ratings shown are in decibels. The referenced sound power is 10⁻¹² watts, calculated in accordance with AMCA International Standard 301.



DTF-18(H/S/V) – 6P 轴流通风机性能曲线、参数表（带防喘圈）

Performance Curves and Parameter Tables for DTF-18(H/S/V)-6P Axial Flow Fan (with anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/n)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	205198	632	49.94	Y315S-675	121	1125	990	3384
	2	183997	820	55.41		119			
	3	160279	940	57.55		120			
21°	1	214129	639	52.58	Y315S-675	121	1125	990	3384
	2	194820	816	57.91		119			
	3	171413	948	60.87		120			
22°	1	223060	647	55.22	Y315M-690	121	1125	1050	3480
	2	205642	813	60.42		119			
	3	182546	955	64.20		120			
23°	1	228916	670	59.68	Y315M-690	124	1125	1050	3480
	2	210355	838	64.85		122			
	3	186970	976	68.19		123			
24°	1	234771	692	64.15	Y315M-690	126	1125	1050	3480
	2	215069	863	69.28		125			
	3	191393	996	72.19		126			
25°	1	240626	715	68.61	Y315M-690	128	1125	1050	3480
	2	219782	888	73.71		128			
	3	195817	1016	76.19		128			

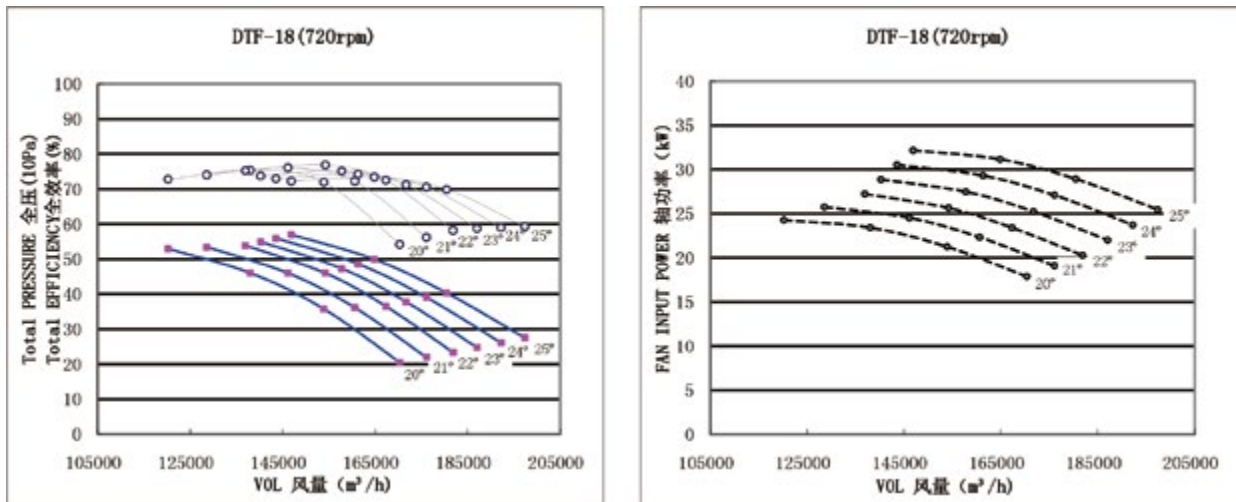
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The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type A - Free Inlet, Free Outlet. The values shown are for Installation Type A: the sound power levels (outlet Lwo) of free inlet, and free outlet. The sound power level ratings shown are in decibels. The referenced sound power is 10⁻¹² watts, calculated in accordance with AMCA International Standard 301.



DTF-18(H/S/V) – 8P 轴流通风机性能曲线、参数表（带防喘圈）

Performance Curves and Parameter Tables for DTF-18(H/S/V)-8P Axial Flow Fan (with anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	153898	355	21.07	Y250M-8 30	114	1125	400	2440
	2	137998	461	23.37		113			
	3	120210	529	24.28		113			
21°	1	160597	360	22.18	Y280S-8 37	114	1125	522	2635
	2	146115	459	24.43		112			
	3	128559	533	25.68		113			
22°	1	167295	364	23.30	Y280S-8 37	115	1125	522	2635
	2	154231	457	25.49		112			
	3	136909	537	27.08		113			
23°	1	171687	377	25.18	Y280S-8 37	117	1125	522	2635
	2	157766	471	27.36		115			
	3	140227	549	28.77		116			
24°	1	176078	389	27.06	Y280S-8 37	119	1125	522	2635
	2	161301	485	29.23		118			
	3	143545	560	30.45		119			
25°	1	180470	402	28.95	Y280S-8 37	121	1125	522	2635
	2	164836	499	31.10		121			
	3	146863	571	32.14		121			

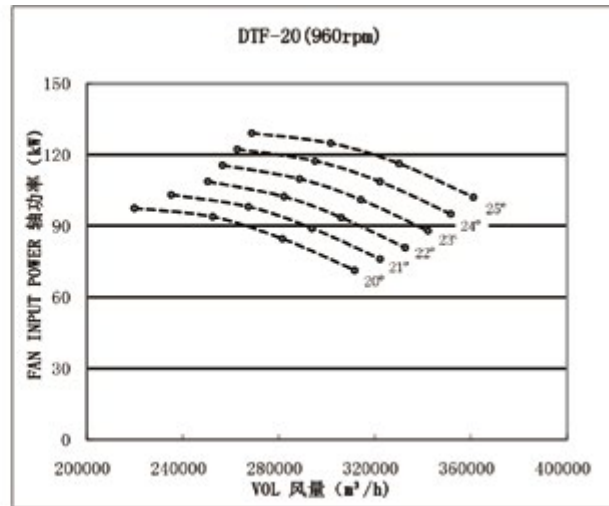
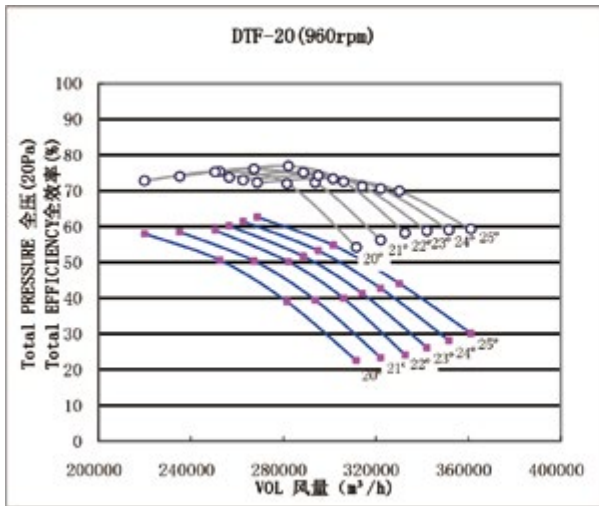
各项性能额定值不包括附属物（附件）的影响。经认证的性能是A类安装-自由入口，自由出口。所示值为安装类型A：自由入口，自由出口的声功率级（出口Lwo）。所示声功率级额定值以分贝为单位，参考声功率为10⁻¹²瓦，按照AMCA International 标准301计算。

The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type A - Free Inlet, Free Outlet. The values shown are for Installation Type A: the sound power levels (outlet Lwo) of free Inlet, and free outlet. The sound power level ratings shown are in decibels. The referenced sound power is 10⁻¹² watts, calculated in accordance with AMCA International Standard 301.



DTF-20(H/S/V) – 6P 轴流通风机性能曲线、参数表（带防喘圈）

Performance Curves and Parameter Tables for DTF-20(H/S/V)-6P Axial Flow Fan (with anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Levell (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	281548	780	84.60	Y315L2-6 132	124	1880	1190	4912
	2	252460	1013	93.87		123			
	3	219917	1161	97.50		123			
21°	1	293802	790	89.08	Y315L2-6 132	124	1880	1190	4912
	2	267309	1008	98.12		122			
	3	235192	1170	103.13		123			
22°	1	306057	799	93.55	Y315L2-6 132	125	1880	1190	4912
	2	282158	1003	102.36		122			
	3	250468	1180	108.76		123			
23°	1	314091	827	101.12	Y355M1-6 160	127	1880	1590	5552
	2	288625	1034	109.87		125			
	3	256538	1205	115.53		126			
24°	1	322125	855	108.68	Y355M1-6 160	129	1880	1590	5552
	2	295092	1065	117.37		128			
	3	262607	1229	122.30		129			
25°	1	330159	883	116.24	Y355M1-6 160	131	1880	1590	5552
	2	301559	1096	124.88		132			
	3	268677	1254	129.07		131			

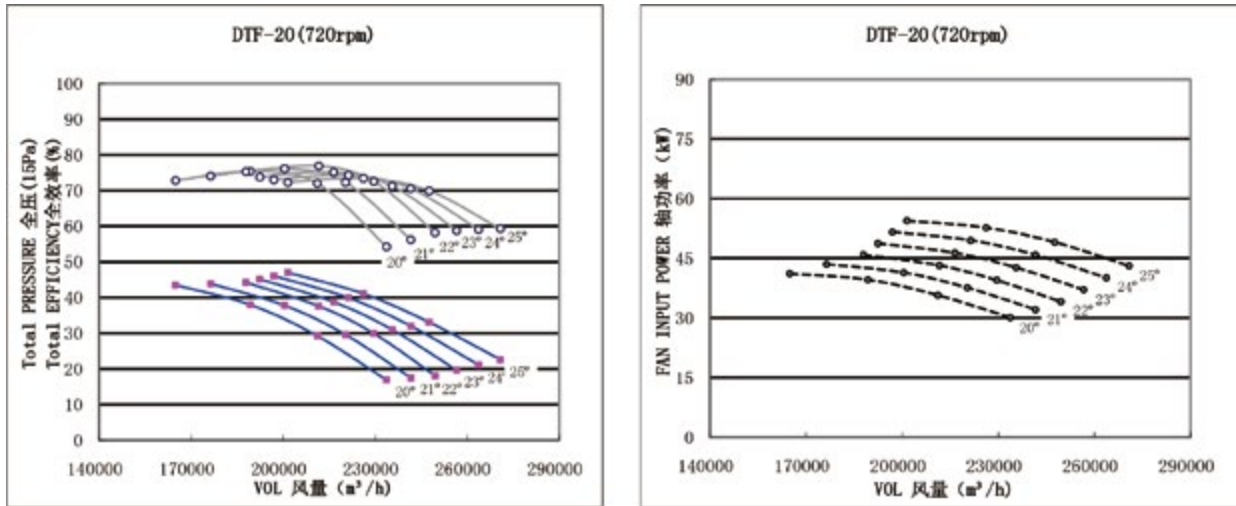
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The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type A - Free Inlet, Free Outlet. The values shown are for Installation Type A: the sound power levels (outlet Lwo) of free Inlet, and free outlet. The sound power level ratings shown are in decibels. The referenced sound power is 10⁻¹² watts, calculated in accordance with AMCA International Standard 301.



DTF-20(H/S/V) – 8P 轴流通风机性能曲线、参数表（带防喘圈）

Performance Curves and Parameter Tables for DTF-20(H/S/V)-8P Axial Flow Fan (with anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
20°	1	211161	439	35.69	Y315S-8 55	117	1880	830	4336
	2	189345	570	39.60		116			
	3	164937	653	41.13		116			
21°	1	220352	444	37.58	Y315S-8 55	117	1880	990	4592
	2	200482	567	41.39		116			
	3	176394	658	43.51		116			
22°	1	229543	449	39.47	Y315S-8 55	118	1880	1130	4816
	2	211618	564	43.18		115			
	3	187851	664	45.88		116			
23°	1	235568	465	42.66	Y315M-8 75	120	1880	990	4592
	2	216469	582	46.35		118			
	3	192403	678	48.74		119			
24°	1	241594	481	45.85	Y315M-8 75	122	1880	990	4592
	2	221319	599	49.52		122			
	3	196956	691	51.60		122			
25°	1	247620	496	49.04	Y315M-8 75	125	1880	990	4592
	2	226169	617	52.68		125			
	3	201508	705	54.45		125			

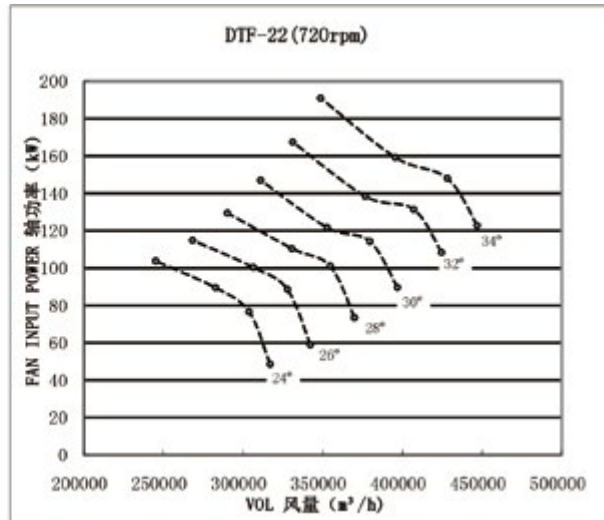
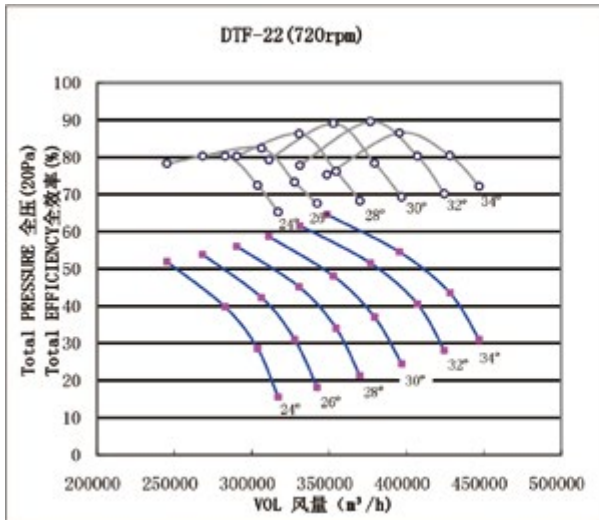
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The rated performance values do not include the effects of accessories (attachments). The certified performance is for Installation Type A - Free Inlet, Free Outlet. The values shown are for Installation Type A: the sound power levels (outlet Lwo) of free Inlet, and free outlet. The sound power level ratings shown are in decibels. The referenced sound power is 10⁻¹² watts, calculated in accordance with AMCA International Standard 301.



DTF-22(H/V) – 8P 轴流通风机性能曲线、参数表 (带防喘圈)

Performance Curves and Parameter Tables for DTF-22(H/V)-8P Axial Flow Fan (with anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
24°	1	303703	573	76.68	Y355M1-8 132	107	2550	1660	6736
	2	282690	796	89.52		107			
	3	245117	1038	103.80		108			
26°	1	327680	621	88.68	Y355M2-8 160	108	2550	1740	6864
	2	306313	846	100.46		108			
	3	268221	1077	114.92		109			
28°	1	354479	681	101.20	Y355M2-8 160	109	2550	1740	6864
	2	330636	903	110.52		110			
	3	290240	1121	129.43		110			
30°	1	379364	740	114.38	Y355L-8 200	110	2550	1980	7248
	2	352742	962	121.66		111			
	3	311102	1173	147.00		111			
32°	1	406977	812	131.46	Y355L-8 200	111	2550	1980	7248
	2	376638	1031	138.44		111			
	3	331139	1232	167.51		112			
34°	1	428017	871	148.12	Y4003-8 220	112	2550	2920	8752
	2	395383	1091	159.30		112			
	3	348560	1292	191.05		113			

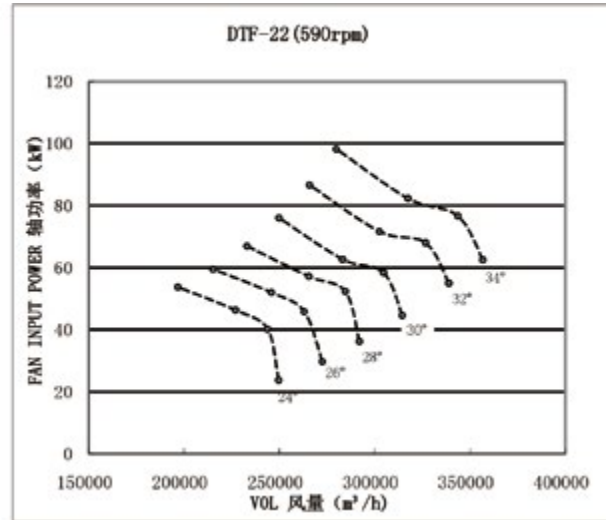
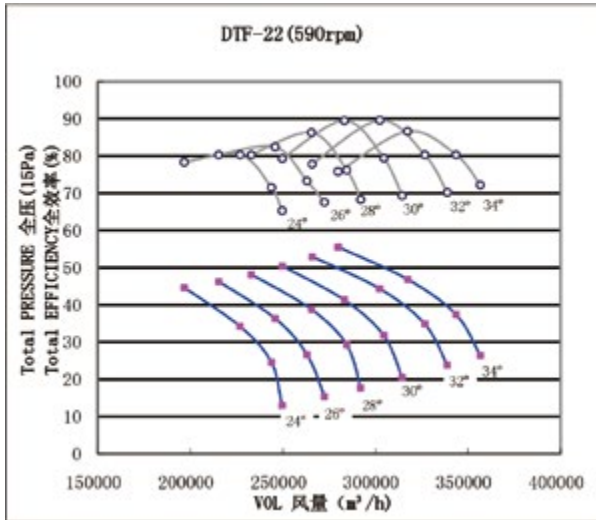
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DTF-22(H/V) – 10P 轴流通风机性能曲线、参数表（带防喘圈）

Performance Curves and Parameter Tables for DTF-22(H/V)-10P Axial Flow Fan (with anti-surge ring)



安装角 Pitch	工况点 Work Point	风量 Flow Rate (m³/h)	全压 Total Pressure (Pa)	轴功率 Shaft Power (kW)	电机型号装机容量 Motor Model and Installed Capacity (kW)	总声功率级 Total Sound Power Level (dB)	重量 Weight (kg)		
							风机 Fan	电机 motor	运行时 Operating
24°	1	243789	369	40.19	Y315L2-10 75	100	2550	1220	6032
	2	226921	513	46.31		100			
	3	196760	669	53.70		101			
26°	1	263036	400	45.85	Y315L2-10 75	100	2550	1220	6032
	2	245884	545	51.95		101			
	3	215307	694	59.44		101			
28°	1	284548	439	52.37	Y355M1-10 90	102	2550	1590	6624
	2	265409	582	57.18		102			
	3	232982	722	66.92		103			
30°	1	304524	477	58.44	Y355M1-10 90	103	2550	1590	6624
	2	283154	620	62.66		103			
	3	249728	756	76.05		104			
32°	1	326689	523	67.97	Y355M2-10 110	104	2550	1720	6832
	2	302335	665	71.68		105			
	3	265813	794	86.66		105			
34°	1	343578	561	76.68	Y355L-10 132	105	2550	1890	7104
	2	317382	703	82.30		105			
	3	279797	833	98.22		106			

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DTF-22 is not an AMCA licensed product.

SDS 系列射流风机

SDS Series Jet Fan



SDS 系列射流风机介绍

Introduction to SDS Series Jet Fans

产品规格: 400~1800Φmm

系列风量: 474~3138m³/min

产品推力: 232~1614N

调速方式: 双速、变频调速

工作电源: 三相、380V/50Hz

工作温度: -20~+45℃

工作湿度: < 99%

耐高温: 可根据需要提供耐高温280℃/60分钟配置

介质条件: 空气可根据需要提供BT4和CT4等级的防爆配置

标准配置: 叶轮、电机、机壳、消声器、网罩

可选配置: 集流器、减振器、控制箱、防护网、软连接、对接法兰、变径管、振动监测装置、电机温度监测装置、智能控制模块

叶 轮: 叶轮经无损探伤、机械性能试验等检验，叶片与轮毂采用高强度螺栓连接，质量可靠并有足够的强度安全系数，高温条件下采用相应的技术措施，保证安全运行。

叶 片: 叶片角度静止可调，必要时，可以根据实际需要改变叶片安装角度。

控制柜: 可以根据用户需要提供控制柜，控制柜以PLC为核心控制器，支持Modbus RTUx USS、自由口通信等协议实现与BAS连接，完成系统的群控功能。

智能模块: 可以根据用户需要提供智能控制模块，该模块基于物联网系统的数据分析管理平台，融合多传感器数据技术，配置大数据采集和远传系统，对风机运行状态进行远程实时监控，并且依照风机专家模型，对风机设备运行状态智能诊断，有效提前预警，避免故障扩大，减少紧急事故和零部件更换。

Product Specification: 400~1800 Φmm.

Air Volume: 474~3138 m³/min.

Product Thrust: 232~1614 N.

Speed Control Method: Two-speed, Variable Frequency Drive (VFD).

Power Supply: Three-phase, 380V/50Hz.

Operating Temperature: -20~+45°C.

Operating Humidity: <99%.

High-temperature resistance: A high-temperature resistance configuration of 280 °C for 60 minutes can be provided as required.

Medium conditions: Air can be provided with explosion-proof configurations of BT4 and CT4 as required.

Standard configuration: Impeller, motor, casing, muffler, mesh cover.

Optional configurations: collector, shock absorber, control box, protective net, flexible connection, mating flange, reducer pipe, vibration monitoring device, motor temperature monitoring device, intelligent control module.

Impeller: The impeller has undergone non-destructive testing, mechanical performance tests and other inspections. The blades and the hub are connected by high-strength bolts, ensuring reliable quality and sufficient strength safety factor. Under high-temperature conditions, corresponding technical measures are adopted to ensure safe operation.

Blade: The blade angle is static and adjustable. When necessary, the blade installation angle can be changed according to actual needs.

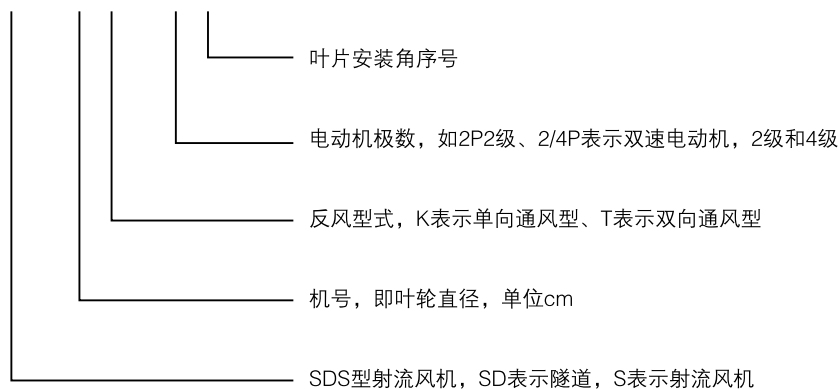
Control cabinet: A control cabinet can be provided according to user's needs. The control cabinet takes PLC as the core controller and supports protocols such as Modbus RTU, USS and free port communication to connect with BAS and complete the group control function of the system.

Intelligent module: According to user's needs, an intelligent control module can be provided. This module is based on the data analysis and management platform of the Internet of Things system, integrating multi-sensor data technology, and is equipped with a big data collection and remote transmission system to conduct remote real-time monitoring of the operating status of the fan. Moreover, based on the fan expert model, it can intelligently diagnose the operating status of the fan equipment, effectively provide early warnings, prevent the expansion of faults, reduce emergencies and parts replacement.

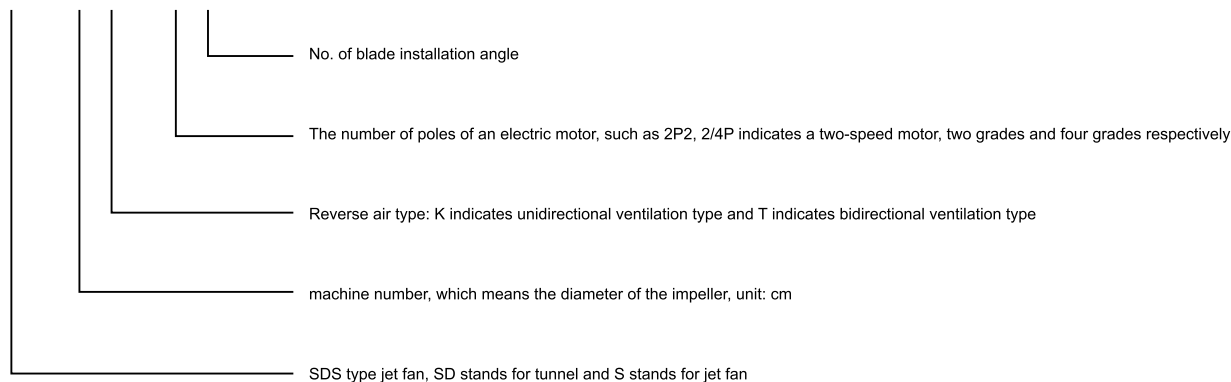
SDS 系列射流风机型号说明

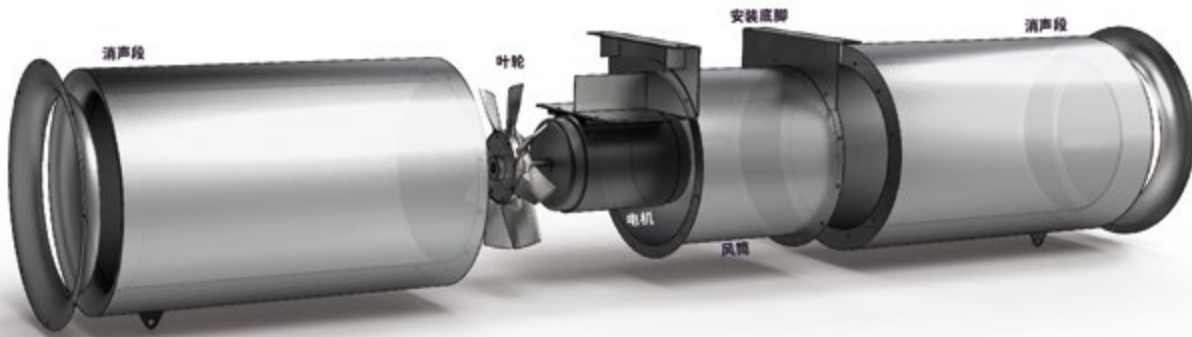
Model description of SDS Series Jet Fan

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SDS 系列射流风机结构特点

Structural features of SDS series jet fans

消声段

风机段两端配消声器，消声器为两层圆筒结构，内筒为穿孔板，外筒由钢板滚圆、焊接而成。中间充填专用的超细玻璃棉吸声材料，流线型喷嘴改善了流场，使风机具有更高的运行效率。

风叶叶轮

叶轮由轮毂和不同数量的叶片组成，用防松动高强度螺栓联接。轮毂和叶片均采用ZL114A优质高强度铝合金压铸而成，通过X光探伤、时效处理、拉伸试验和金加工，静、动平衡校验。如要调整风机叶片角度，可用拉力扳手松动叶片与轮毂的联接螺栓，用专用量角器根据本公司提供曲线图调整所需角度，再按反方向顺序操作固定叶片，所有叶片进行全部调整。

电机

特殊设计的电动机采用密封油脂润滑，电动机为风冷鼠笼式全封闭温热型产品，绝缘等级不低于F级，防护等级不低于P55，电动机轴承为NSK或SKF进口轴承，可正常运行20000小时以上。电动机引出电缆可接至风机筒上的接线盒内，方便用户接线。带有润滑油加油嘴的电动机，也可根据用户要求接至风机风筒上。电动机和风机叶轮直接驱动，裸露于空气中，电动机还可按用户要求配备轴承温度传感器，定子绕组温度传感器，振动报警装置等。

风筒

风筒采用优质钢板数控等离子下料、数控自动焊接、旋压成型，外表面采用涂装处理，以保证风机的强度和防腐性。

Silencing section

Mufflers are installed at both ends of the fan section. The mufflers are of a two-layer cylindrical structure, with the inner cylinder made of perforated plates and the outer cylinder formed by rolling and welding steel plates made into a circle. The middle is filled with special superfine glass wool sound-absorbing material. The streamlined nozzles improve the flow field, enabling the fan to have a higher operating efficiency.

Blade and impeller

The impeller consists of a hub and a varying number of blades, connected by anti-loosening high-strength bolts. Both the hub and blades are made of ZL114A high-quality high-strength aluminum alloy through die-casting, followed by X-ray inspection, aging treatment, tensile testing, metal processing, and static and dynamic balance calibration. To adjust the blade angle of the fan, use a torque wrench to loosen the bolts connecting the blades to the hub. Then, adjust the blades to the required angle using a dedicated protractor based on the curve diagram provided by our company. Finally, secure the blades by reversing the sequence of the previous steps, ensuring that all blades are uniformly adjusted.

motor

The specially designed motor employs sealed grease lubrication and is an air-cooled, squirrel-cage, totally enclosed, and thermal-type product. The insulation class is not lower than Class F, and the protection rating is not lower than IP55. The motor bearings are imported from NSK or SKF, capable of operating for over 20,000 hours. The motor's lead cable can be connected to the junction box on the fan housing for convenient user wiring. For motors equipped with a lubricant filler nozzle, the connection can also be extended to the fan housing upon user request. The motor and the fan impeller are directly driven and exposed to the air. Additionally, the motor can be equipped with optional accessories such as bearing temperature sensors, stator winding temperature sensors, and vibration alarm devices as required by the user.

air duct

The air duct is made of high-quality steel plate, processed by CNC plasma cutting, CNC automatic welding, and spin forming, with the exterior surface treated by coating to ensure the strength and corrosion resistance of the fan.



SDS 系列射流风机应用范围及成果

Application Scope and Results of SDS Series Jet Fans

广泛应用于地铁、隧道、建筑工程等，通过强制通风和排风，将足够的新鲜空气输入隧道内，同时排出有害气体，保持良好的空气质量。

It is widely applied in subways, tunnels, construction projects, etc. Through forced ventilation and exhaust, it injects sufficient fresh air into the tunnel while expelling harmful gases, maintaining good air quality.

SDS 系列射流风机性能参数表

Performance Parameter Table of SDS Series Jet Fan

- 下数据是依据多年实际经验、空气动力领域的工作程序而发表的可靠数据。
 - K型射流风机的反风风量是正风风量的0.5~0.7倍，T型射流风机的反风风量与正风风量相等。
 - SDS系列射流风机在-25~+50℃的环境温度下，可长期可靠工作，在280℃的高温下，连续可靠运行60min，经高温运行的射流风机应大修或更换。
 - 所有零部件均经防腐处理，涂两层防锈底漆，一层面漆。但是对特殊情况，可以采用不锈钢、电镀件等。
 - 正反转切换时间：风机启动时间在4秒钟内，正反转切换时间为30~60s。
 - 性能参数表中所列噪声值为在野外，距风机出口10米、45度角处测量的A声级。
- The following data are reliable figures published based on years of practical experience and working procedures in the field of aerodynamics.
 - The reverse air volume of the K-type jet fan is 0.5 to 0.7 times that of the forward air volume, while the reverse air volume of the T-type jet fan is equal to the forward air volume.
 - The SDS series jet fans can operate reliably for a long time in an ambient temperature range of -25 to +50 C. At a high temperature of 280 C, they can run continuously and reliably for 60 minutes. Jet fans that have undergone high-temperature operation should be overhauled or replaced.
 - All components have undergone anti-corrosion treatment, coated with two layers of anti-rust primer and one layer of topcoat. However, stainless steel or electroplated parts can be used for special cases.
 - The switching time between forward and reverse rotation: The fan starts within 4 seconds, and the switching time between forward and reverse rotation is 30 to 60 seconds.
 - The noise values listed in the performance parameter table are the A-weighted sound levels measured at the 45-degree angle 10 meters away from the fan outlet in the field.





K型射流风机性能参数表

Performance Parameter Table of K-type Jet Fan

型号 Model	电机极数 Motor parameters	叶片角度 Blade angle	风量 m³/h Air volume	出口风速 m/s Outlet air velocity	机座号 mm Frame size	功率 kW Power	风机功率 kW Fan power	推力 N Thrust	推力/功率 N/kW Thrust-to-power ratio	噪声 dB(A) Noise	重量 kg Weight
40	2P	D1	2.1	16.9	80	0.75	0.64	50	78.4	64	105
		D2	2.5	20.1	80	1.1	0.94	71	75.9	65	105
		D3	2.8	22.4	90	1.5	1.3	93	72.9	66	108
		D4	3.2	25.5	90	2.2	1.9	115	61.5	68	108
50	2P	D1	4.2	21.5	90	2.2	1.9	130	89.5	64	175
		D2	5.3	27.1	112	4	3.4	185	54.4	65	189
		D3	6.0	30.6	132	5.5	4.7	240	51.3	66	202
		D4	6.5	33.2	132	7.5	6.4	285	44.7	68	202
56	2P	D1	6.2	25.2	112	4	3.4	200	56.6	64	254
		D2	7.0	28.4	132	5.5	4.7	245	52.4	65	276
		D3	7.8	31.7	132	7.5	6.4	315	49.4	66	286
		D4	8.6	35.1	160	11	9.4	385	41.2	68	322
63	2P	D1	8.1	26	132	7.5	8.8	247	36.3	64	322
		D2	9.0	28.9	160	11	8.4	305	36.3	65	369
		D3	9.9	31.8	160	11	10.1	369	36.5	66	369
		D4	10.8	34.7	160	15	12	439	36.6	67	377
		D5	11.7	37.5	160	15	14.1	513	36.4	68	377
		D6	12.7	40.6	160	18.5	17.2	802	35.0	70	399
71	2P	D1	12.7	32	160	15	13.3	475	35.7	67	433
		D2	14	35.4	160	18.5	16.9	581	34.4	68	455
		D3	15	37.9	180	22	20.1	666	33.1	69	488
		D4	16	40.4	200	30	22.9	757	33.1	71	578
		D5	17	42.9	200	30	25.8	853	33.1	72	578
		D6	18	45.5	200	37	30	960	32.0	73	583
80	4P	D1	9.3	18.6	112	4	3.1	204	65.8	56	310
		D2	10.6	21	132	5.5	4.2	260	61.9	58	335
		D3	11.8	23.5	132	7.5	5.5	325	59.1	59	348
		D4	12.6	25	132	7.5	6.6	368	55.8	60	348
		D5	13.3	26.5	160	11	7.7	413	53.6	62	390
		D6	14.1	28	160	11	9.4	461	49.0	63	390
90	4P	D1	13	20.5	132	7.5	5.4	313	58.0	60	414
		D2	14.6	22.9	160	11	7.1	391	55.1	62	456
		D3	16.1	25.3	160	11	9	47	53.0	63	456
		D4	16.7	26.2	160	11	9.9	511	51.6	64	456
		D5	18.8	29.5	160	15	13.1	641	48.9	65	477
		D6	20.1	31.6	180	18.5	16.9	744	44.0	67	515
100	4P	D1	17.7	22.5	160	11	9.8	466	47.6	63	518
		D2	19.6	25	160	15	11.7	576	49.1	64	539
		D3	21.1	27	160	15	13.9	670	48.2	66	539
		D4	23.2	29.5	180	18.5	17.1	800	46.8	67	577
		D5	24.3	31	180	22	21.2	884	41.7	69	585
		D6	26.9	34.2	200	30	27.5	1076	39.1	70	665





型号 Model	电机极数 Motor parameters	叶片角度 Blade angle	风量 m³/h Air volume	出口风速 m/s Outlet air velocity	机座号 mm Frame size	功率 kW Power	风机功率 kW Fan power	推力 N Thrust	推力/功率 N/kW Thrust-to-power ratio	噪声 dB(A) Noise	重量 kg Weight
112	4P	D1	24.8	25.2	180	18.5	173	744	43.0	68	639
		D2	27.3	27.7	180	22	20.5	899	43.8	89	647
		D3	29.9	30.3	200	30	24.6	1075	43.7	71	727
		D4	32.3	32.8	225	37	30.3	1260	41.6	71	741
		D5	34.8	35.4	225	45	38.4	1468	38.2	72	777
		D6	37.4	38	250	55	46.2	1691	36.6	73	884
125	4P	D1	35	28.5	225	37	29.8	1185	39.8	72	852
		D2	38.3	31.2	225	37	34.5	1420	41.2	73	852
		D3	41.6	33.9	225	45	41.2	1677	40.7	74	888
		D4	45.2	36.8	250	55	50.8	1976	38.9	76	995
		D5	46.5	39.5	280	75	66.4	2276	34.3	77	1130
		D6	51.5	42	280	90	81.9	2574	31.4	78	1235
125	6P	D1	23.1	18.8	180	11	8.4	516	61.54	60	715
		D2	25.4	20.7	180	15	10.7	625	58.4	61	763
		D3	27.6	22.5	180	15	12.3	739	60.1	63	763
		D4	29.8	24.3	200	18.5	15.6	861	55.2	64	788
		D5	32.2	26.2	200	22	18.9	1001	53.0	64	818
		D6	34.5	28.1	225	30	23.7	1152	48.6	66	860
140	6P	D1	33.6	21.8	200	18.5	16.5	870	52.7	64	947
		D2	36.8	23.9	200	22	18.1	1045	57.7	65	977
		D3	39.9	25.9	225	30	24.8	1228	49.5	66	1019
		D4	43.1	28	250	37	30.2	1435	47.5	68	1135
		D5	46.3	30.1	280	45	35.5	1658	46.7	68	1263
		D6	49.6	32.2	280	55	45.7	1898	41.5	69	1322
140	8P	D1	25.4	16.5	160	7.5	6.1	498	51.6	55	872
		D2	27.7	18	180	11	7.7	593	77.0	57	911
		D3	30	19.5	200	15	9.9	696	70.3	58	977
		D4	32.5	21.2	225	15	13.5	815	60.4	59	977
		D5	34.6	22.5	225	18.5	15.1	926	61.3	59	993
		D6	37.1	24.1	250	22	19.5	1063	54.5	61	1019
160	6P	D1	47.2	23.5	225	30	24.1	1320	54.8	68	1240
		D2	52.1	25.9	250	37	32.5	1602	49.3	69	1356
		D3	57.1	28.4	280	55	45.6	1928	42.3	71	1543
		D4	61.9	30.8	315	75	56.2	2268	40.4	73	1938
		D5	87	33.3	315	75	65.7	2651	40.4	73	1938
		D6	71.8	35.7	315	90	63.5	3046	35.5	75	2028
160	8P	D1	35.6	17.7	200	15	10.8	749	69.4	61	1198
		D2	39.2	19.5	225	15	13.2	909	88.9	61	1198
		D3	42.8	21.3	225	22	18.1	1084	59.9	63	1240
		D4	46.6	23.2	250	30	24.2	1287	53.2	64	1353
		D5	50.3	25	280	37	32.5	1498	46.1	65	1468
		D6	53.9	26.8	280	45	34.6	1717	49.6	66	1540
180	6P	D1	80.2	23.7	225	30	26.1	1575	52.5	69	1888
		D2	63.4	24.9	250	37	32.2	1770	47.8	71	1844
		D3	74.6	29.3	280	55	47.8	2420	44	73	2008
		D4	83.6	32.9	315	75	66.7	3050	40.7	75	2636



K型射流风机性能参数表

Performance Parameter Table of K-type Jet Fan

型号 Model	电机极数 Motor parameters	叶片角度 Blade angle	风量 m³/h Air volume	出口风速 m/s Outlet air velocity	机座号 mm Frame size	功率 kW Power	风机功率 kW Fan power	推力 N Thrust	推力/功率 N/kW Thrust-to-power ratio	噪声 dB(A) Noise	重量 kg Weight
40	2P	D1	2.0	15.9	80	0.75	0.64	46	72.2	64	105
		D2	2.4	19.1	80	1.1	0.94	68	72.7	66	105
		D3	2.7	21.5	90	1.5	1.3	82	64.3	66	108
		D4	3.0	23.9	90	2.2	1.9	102	54.5	68	108
50	2P	D1	4.1	20.9	90	2.2	1.9	107	57.2	64	175
		D2	5.0	25.5	112	4	3.4	155	45.6	65	189
		D3	5.8	29.6	132	5.5	4.7	210	44.9	66	202
56	2P	D4	6.3	32.1	132	7.5	6.4	245	38.4	68	202
		D1	6.0	24.4	112	4	3.4	175	51.5	64	254
		D2	6.7	27.2	132	5.5	4.7	210	44.9	65	278
		D3	7.6	30.9	132	7.5	6.4	280	43.9	66	286
63	2P	D4	8.4	34.1	160	11	9.4	340	36.4	68	322
		D1	7.9	25.2	132	7.5	8.9	232	33.6	66	322
		D2	8.7	28	160	11	8.7	287	33.0	67	369
		D3	9.6	30.8	160	11	10.4	347	33.4	67	369
		D4	10.5	33.7	160	15	12.4	413	33.3	68	377
		D5	11.3	36.4	160	15	14.3	482	33.7	69	377
71	2P	D6	12.3	39.4	160	18.5	17.7	566	32.0	70	399
		D1	12.3	31	160	15	13.7	446	32.8	70	433
		D2	13.6	34.3	160	18.5	17.4	546	31.4	71	455
		D3	14.6	36.8	180	22	20.7	626	30.2	73	488
		D4	15.5	39.2	200	30	23.6	711	30.1	73	548
		D5	16.5	41.6	200	30	26.6	802	30.2	74	548
80	4P	D6	17.5	44.1	200	37	30.9	902	29.2	75	563
		D1	9.1	18	112	4	3.2	191	59.7	56	310
		D2	10.2	20.4	132	5.5	4.3	244	56.7	58	335
		D3	11.5	22.8	132	7.5	5.7	306	53.7	59	348
		D4	12.2	24.3	132	7.5	6.8	346	50.9	60	348
		D5	12.9	25.7	160	11	7.9	388	49.1	62	390
90	4P	D6	13.7	27.2	160	11	9.7	434	44.7	62	390
		D1	12.7	19.9	132	7.5	5.6	294	52.5	60	414
		D2	14.1	22.2	160	11	7.3	367	50.3	61	456
		D3	15.6	24.5	160	11	9.3	448	48.2	64	456
		D4	16.2	25.4	160	11	10.2	481	47.2	64	456
		D5	18.7	29.4	160	15	13.5	636	47.1	65	477
100	4P	D6	19.5	30.7	180	18.5	17.4	699	40.2	66	515
		D1	17.1	21.8	160	11	10.1	438	4.3	64	518
		D2	19	24.3	160	15	12.1	540	44.6	65	539
		D3	20.6	26.2	160	15	14.3	630	44.1	67	839
		D4	22.5	28.6	180	18.5	17.6	752	42.7	68	577
		D5	23.6	30.1	180	22	21.5	831	38.7	70	585
		D6	26.1	33.2	200	30	28.3	1011	35.7	70	665



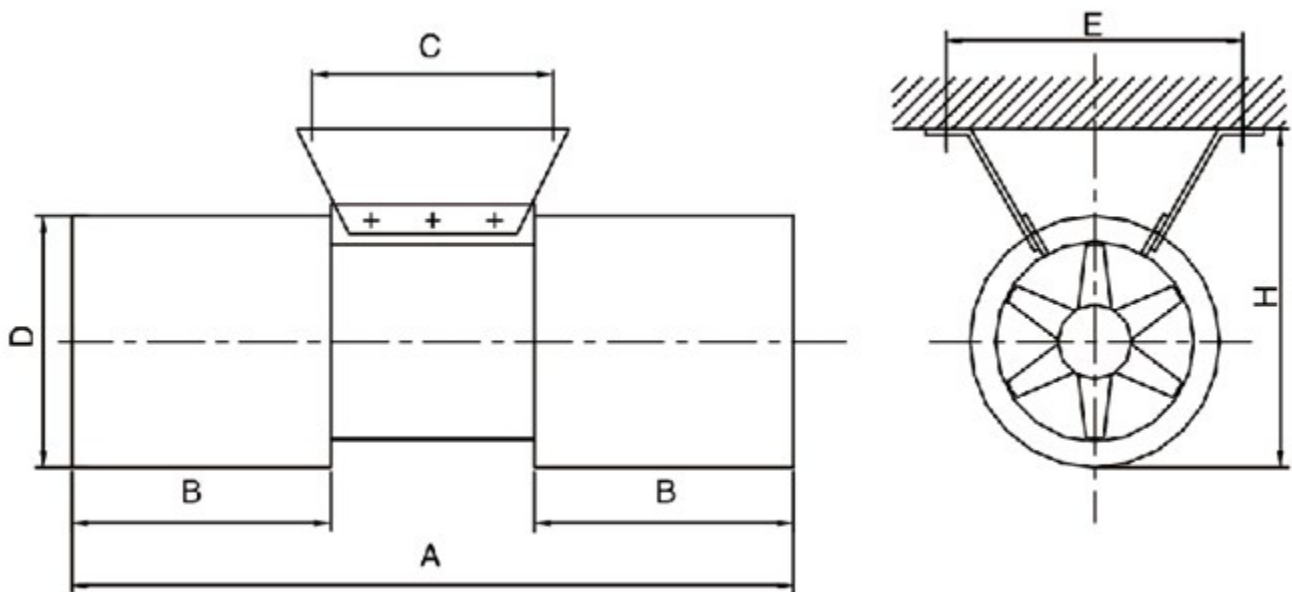


型号 Model	电机电数 Motor parameters	叶片角度 Blade angle	风量 m³/h Air volume	出口风速 m/s Outlet air velocity	机座号 mm Frame size	功率 kW Power	风机功率 kW Fan power	推力 N Thrust	推力/功率 N/kW Thrust-to-power ratio	噪声 dB(A) Noise	重量 kg Weight
112	4P	D1	24.1	24.4	180	18.5	17.8	699	39.3	69	639
		D2	26.5	26.9	180	22	21.1	845	40.0	70	647
		D3	29	29.4	200	30	25.3	1011	40.0	71	727
		D4	31.3	31.8	225	37	31.2	1184	37.9	72	741
		D5	33.8	34.3	225	45	39.6	1380	34.8	74	777
		D6	36.3	36.9	250	55	47.6	1590	33.4	75	884
125	4P	D1	33.9	27.6	225	37	30.7	1114	36.3	73	852
		D2	37.1	30.3	225	37	35.5	1335	37.5	73	852
		D3	40.4	32.9	225	45	42.4	1576	37.2	75	868
		D4	43.8	35.7	250	55	52.3	1857	35.5	75	995
125	11P	D5	47	38.3	280	75	66.4	2140	31.3	76	1130
		D6	50	40.7	280	90	84.4	2419	28.7	78	1235
125	6P	D1	22.4	18.2	160	11	8.7	485	55.7	60	715
		D2	24.6	20.1	180	15	11	588	53.5	61	763
		D3	26.8	21.8	180	15	12.7	694	54.6	62	763
		D4	28.9	23.6	200	18.5	16.1	810	50.3	63	788
		D5	31.2	25.4	200	22	19.5	941	48.3	64	818
		D6	33.4	27.3	225	30	24.4	1083	44.4	65	860
140	6P	D1	32.6	21.1	200	18.5	16.9	818	48.4	65	947
		D2	35.7	23.2	200	22	18.6	983	52.8	65	977
		D3	38.7	25.1	225	30	25.5	1154	45.3	66	1018
		D4	41.8	27.2	250	37	31.1	1394	43.4	67	1135
		D5	44.9	29.2	280	45	36.6	1559	42.6	68	1263
		D6	48.1	31.2	280	55	47.1	1784	37.9	70	1322
140	8P	D1	24.6	16	160	7.5	6.3	468	74.3	55	872
		D2	26.9	17.5	180	11	7.9	557	70.5	56	911
		D3	29.1	18.9	200	15	10.2	654	64.1	56	977
		D4	31.5	20.5	225	15	13.9	786	55.1	59	977
		D5	33.6	21.8	225	18.5	15.6	871	55.6	60	993
		D6	36	23.4	250	22	20	999	50.0	61	1019
160	6P	D1	45.8	22.8	225	30	24.8	1241	50.0	68	1240
		D2	50.5	25.1	250	37	33.5	1507	45.0	69	1356
		D3	55.4	27.5	280	55	47	1812	38.6	71	1543
		D4	60.1	29.9	315	75	57.9	2132	36.8	71	1938
		D5	64.9	32.3	315	75	67.7	2492	36.8	72	1938
		D6	69.6	34.6	315	90	86	2864	33.3	74	2028
160	8P	D1	34.5	17.2	200	15	11.1	704	63.4	60	1198
		D2	38	18.9	225	15	13.6	854	62.8	61	1198
		D3	41.5	20.7	225	22	18.5	1019	55.1	63	1240
		D4	45.2	22.5	250	30	24.9	1209	48.6	63	1353
		D5	48.8	24.3	280	37	33.5	1404	41.9	65	1468
		D6	52.3	26	280	45	35.6	1614	45.3	65	1540
180	6P	D1	55.8	210.8	225	30	28.8	1360	45.3	69	1686
		D2	59.3	23.1	250	37	33.2	1520	41.1	71	1844
		D3	69.2	27	280	55	48.6	2080	37.8	73	2098
		D4	77.6	30.3	315	75	68.6	2630	35.1	75	2838



SDS系列射流风机外型与安装尺寸

The external appearance and installation dimensions of the SDS series jet fan



型号 Model	40	50	56	63	71	80	90	100	112	125	140	160	180
A	2030	2480	2820	3190	3510	2300	3130	3180	3380	3350	3850	4300	4700
B	800	1000	1120	1260	1420	800	1215	1215	1265	1250	1400	1600	1800
C	570	650	750	750	800	840	940	1000	1100	1160	1160	1360	1500
D	560	660	720	800	900	1000	1100	1200	1320	1450	1700	1900	2100
E	660	750	800	940	1020	1100	1180	1260	1360	1470	1740	1880	2050
H	760	860	920	1100	1200	1300	1400	1500	1620	1750	2100	2300	2500

注：C、E、H所注尺寸以实际安装尺寸为准。

Note: The dimensions marked on C, E and H are subject to the actual installation dimensions.



SDS系列射流风机安装、运行与维护

Installation, operation and maintenance of SDS series jet fans

- 射流风机的安装质量特别重要，应严格按照要求埋设预埋件，安装时不得磕碰及损坏风机，不得对风机施焊。
 - 安装风机，除满足隧道界限的要求外应保证风机轴线与隧道的中心线平行。否则，将增加风机损失。
 - 射流风机的运行控制一般是依据CO浓度的增减来决定开停一台或一组、高速或低速。射流风机启动时，为减少对电网的冲击，应逐台启动，即上一台风机达到额定转速后再接通下一台风机的电源，如直接启动间隔120秒。
 - 射流风机正反向换向时，应等叶轮完全停止，再接通电源。
 - 风机无须特殊的维护保养工作。为了保持风洁净，可根据污染情况，定期擦拭风机外表面。
- The installation quality of jet fans is particularly important. Embedded parts should be strictly set up as required. During installation, the fan must not be knocked or damaged, and no welding should be applied to the fan.
- When installing the fan, in addition to meeting the requirements of the tunnel boundary, it is necessary to ensure that the fan's axis is parallel to the center line of the tunnel. Otherwise, it will increase the loss of the fan.
- The operation control of jet fans is generally determined by the increase or decrease of CO concentration to start or stop one or a group, and to operate at high or low speed. When starting the jet fan, to reduce the impact on the power grid, each fan should be started one by one. That is, the power of the next fan should be connected only after the previous fan reaches its rated speed. If started directly, the interval should be 120 seconds.
- When the jet fan is reversing in both forward and reverse directions, the power supply should be connected only after the impeller has completely stopped.
- The fan does not require special maintenance work. To keep the air clean, the outer surface of the fan can be wiped regularly depending on the contamination condition.





BDW-87-3型玻璃钢低噪声屋顶风机

BDW-87-3 glass fiber reinforced plastic low noise roof fan

BDW-87-3型玻璃钢低噪声屋顶风机采用优质玻璃钢材料制作，风机具有噪声低、耐腐蚀、高效率、重量轻、结构紧凑、安装方便等特点。可广泛应用于宾馆、饭店、学校、医院、会议厅、影剧院等场所。

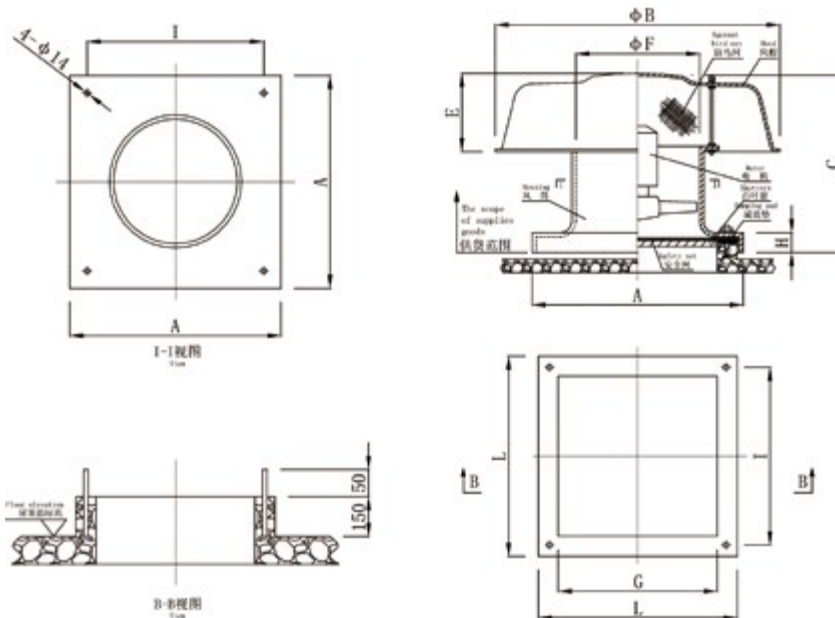
该系列产品已获全国工业产品生产许可证，编号：XK06-015-00408。

注：配用电机为三相。

The BDW-87-3 glass fiber reinforced plastic low noise roof fan is made of the high quality glass fiber reinforced plastic material. The fan has many characteristics such as low noise, anti-corrosive, high efficiency, low weight, compact structure and convenient installment. Widely applies in places such as guest house, hotel, school, hospital, assembly hall, theater and so on.

This series of products has obtained the National Industrial Product Production License, Number: XK06-015-00408.

Note: The matched motor is three-phases.



BDW-87-3型屋顶风机性能安装外形尺寸表

Performance and installation external dimensions of the BDW-87-3 power roof fan

机号 No. Serial number	叶轮 (ϕ / mm)z Impeller	转速 (r/min) Speed	功率 (kw) Power	不同静压下的风量 m^3/h Volume at the different static pressure			噪声 dB(A) Noise	外形安装尺寸 External dimensions									重量 (kg) Weight
				5mm H ₂ O	10mm H ₂ O	15mm H ₂ O		A	B	C	D	E	F	G	L	I	
				2.5	250	1450		0.06	927	740	432	49	585	600	325	175	
3	300	1450	0.09	1784	1120	840	50	585	600	480	175	320	50	345	565	455	15
3.5	350	1450	0.12	2930	2010	1130	52	585	730	500	190	350	50	345	565	455	26
4	400	1450	0.25	4800	3920	2710	53	680	920	550	230	400	50	440	660	550	30
4.5	450	1450	0.55	8431	6870	5810	55	680	920	600	230	450	50	440	660	550	33
5	500	1450	0.55	9300	8024	7430	58	850	1180	650	300	530	50	610	830	720	35
5.5	550	1450	0.75	14530	9765	8740	58	850	1180	700	300	560	50	610	820	720	38
6	600	960	0.75	16052	13740	10420	56	1020	1200	720	300	600	50	780	980	890	48
7	700	960	1.5	20350	18330	15400	59	1020	1200	720	300	700	50	780	980	890	50
8	800	960	1.5	25200	23500	20370	59	1280	1650	960	360	840	50	1040	1230	1150	53
9	900	720	2.2	34340	26500	22700	65	1310	1650	1000	360	900	50	1040	1270	1150	60
10	1000	720	2.2	42300	33430	24350	74	1470	1650	1100	360	1000	50	1040	1430	1240	65





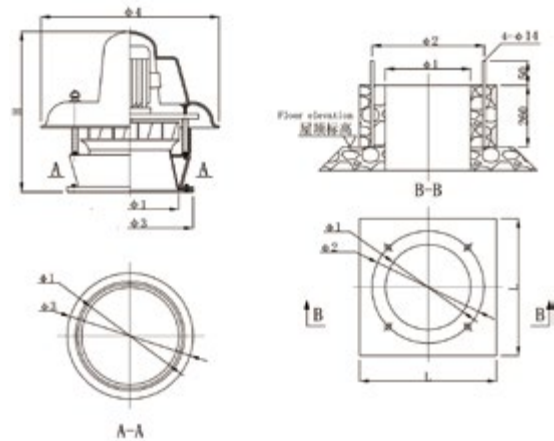
WS-85-6型玻璃钢屋顶风机

WS-85-6 glass fiber reinforced plastic low noise roof fan

WS-85-6型玻璃钢离心式屋顶风机具有造型美观结构紧凑、强度高、耐腐蚀、重量轻、噪声低等特点，采用优质玻璃钢材料制作，可输送有腐蚀性的气体，广泛应用于工厂、企业、实验室、办公楼等场所的通风换气。

注：配用电机为三相。

WS -85 -6 glass fiber reinforced plastic low noise roof fan has many characteristics such as compact structure,high efficiency,anti-corrosive,low weight and low noise.Is made of the high quality fiber glass reinforced plastic materials.Is widely applied in the places such as factory,enterprise, lab,office for taking a breath.
The matched motor is three-phases.



机号 No. Serial number	φ1	φ2	φ3	φ4	H	L
No.3.6	360	465	510	760	560	530
No.4	400	510	550	760	580	570
No.4.3	430	555	600	820	660	620
No.4.6	460	585	630	820	690	650
No.4.9	490	615	670	900	730	680
No.5.3	530	660	700	900	770	730

机号 No. Serial number	转速 (r/min) Speed	工况 Operating mode	风量 m³/h Volume	静压 Pa Static pressure	功率 (kw) Power	噪声 dB(A) Noise	重量 (kg) Weight
3.6	1450	1	1400	210	0.55	56	40
		2	1680	196		56	
		3	1990	188		57	
		4	2200	168		57	
		5	2600	145		57	
	960	1	960	155	0.55	53	25
		2	1090	139		53	
		3	1230	121		54	
		4	1520	109		54	
		5	1700	100		54	
4	1450	1	2200	285	0.75	58	45
		2	2520	273		58	
		3	2870	251		59	
		4	3160	234		59	
		5	3500	210		59	
	960	1	1450	215	0.55	55	33
		2	1670	195		55	
		3	1980	182		55	
		4	2170	160		56	
		5	2350	145		56	
4.3	1450	1	3200	395	1.1	61	60
		2	3640	378		61	
		3	4080	356		62	
		4	4520	334		62	
		5	5000	315		62	
	960	1	2100	285	0.75	58	48
		2	2430	268		58	
		3	2840	249		58	
		4	3220	224		59	
		5	3500	210		61	

机号 No. Serial number	转速 (r/min) Speed	工况 Operating mode	风量 m³/h Volume	静压 Pa Static pressure	功率 (kw) Power	噪声 dB(A) Noise	重量 (kg) Weight
4.6	1450	1	4400	415	1.5	65	65
		2	5270	407		65	
		3	5960	398		65	
		4	6480	380		65	
		5	7000	365		66	
	960	1	2900	288	1.1	60	56
		2	3480	288		60	
		3	3920	285		61	
		4	4260	245		61	
		5	4600	210		59	
4.9	1450	1	5900	495	2.2	75	75
		2	6600	480		75	
		3	7490	466		75	
		4	8600	448		76	
		5	9500	420		76	
	960	1	3900	355	1.1	62	62
		2	4480	338		62	
		3	5120	324		62	
		4	5950	310		63	
		5	6100	285		63	
5.3	1450	1	8500	564	2.2	80	80
		2	9400	530		80	
		3	10200	498		80	
		4	11100	470		81	
		5	12000	450		81	
	960	1	5600	415	1.5	65	75
		2	6400	389		65	
		3	6980	360		66	
		4	7380	336		66	
		5	7850	310		66	



BDW-87-4型玻璃钢离心式屋顶风机

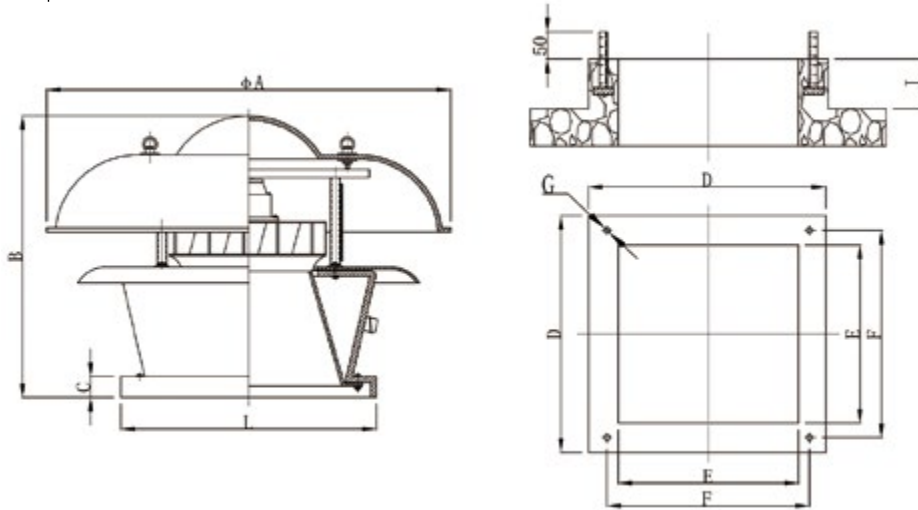
BDW-87-4 glass fiber reinforced plastic centrifugal roof fan

BDW-87-4型玻璃钢离心式屋顶风机，是我公司自行设计、制造的新产品。该风机采用无级调速电机，选用优质玻璃钢材料精工制作而成型，风机性能、噪声经检验均达到设计要求，具有效率高、耗电量少、重量轻、耐腐蚀、运行可靠、安装简单等特点，噪声可限制在70（A）分贝以内，如噪声值尚不满足要求，可在基础和风机之间加消音箱，我公司可代为用户设计，并加工制作。

注：配用电机为三相。

The BDW-87-4 glass fiber reinforced plastic centrifugal roof fan is a new product designed by our company independently. Adopted stepless speed regulation motor, made of high quality glass fiber reinforced plastic material, its performance and noise have met the design request after examination, and has characteristics such as high efficiency, few consumption power, low weight, anti-corrosive, reliable movement, simple installment and so on. The noise may be limited below 70 (A)db, if still not, may add muffler between foundation and fan. Our company may design and manufacture for the user.

Note: The matched motor is three-phases.



BDW-87-4型屋顶风机性能安装外形尺寸表

Performance and installation external dimensions of the BDW-87-4 power roof fan

机号 No. Serial number	转速 (r/min) Speed	风压调节范围静压 Pa Wind pressure Static pressure	风量调节范围 Q (m³/h) Volume adjustment scope	电机型号 Motor model	功率 KW Power	噪声 dB(A) Noise	重量 (kg) Weight	外形安装尺寸 External dimensions								
								A	B	C	D	E	F	G	L	J
4	200-850	40-180	650-2500	YDW 0.55-6	0.55	55	50	930	660	80	460	300	380	4-φ12	500	130
	额定转速 750 Rated speed	100	1500													
5.6	200-850	40-350	1200-6500	YDW 0.8-6	0.8	60	75	1230	935	100	660	470	560	4-φ14	700	150
	额定转速 750 Rated speed	200	4000													
6.3	200-850	40-450	1600-10000	YDW 1.8-6	1.8	65	95	1450	1050	100	760	520	640	4-φ18	800	150
	额定转速 750 Rated speed	240	6000													
7.1	200-850	40-560	2500-13500	YDW 3.0-6	3.0	70	120	1660	1235	120	860	600	730	4-φ18	900	170
	额定转速 750 Rated speed	300	8500													





YDTW型玻璃钢屋顶风机 YDTW glass fiber reinforced plastic roof fan

概述

Outline

YDTW型屋顶风机是我公司在BDW87-3、DWT系列屋顶风机的基础上同中国基础建筑科学院空气调节研究所、电力部华北电力设计院共同研制开发的另一种强制通风的理想产品。它广泛应用于电力、石油、化工、冶金、机械和纺织等工作领域中，同时也适用于候机(车)厅、室内游泳馆、体育馆、演播厅、商场、仓储和民用场合的强制通风。

该系列产品已获全国工业产品生产许可证，编号：XK06-015-00408。

The YDTW roof fan is a kind of forced draft ideal product that is designed and developed by our company, Air Conditioning Research Institute of China Foundation Construction Division and China Northern Electric Power Design Institute of National Power Ministry. It is widely applied in work places such as electric power, petroleum, chemical industry, metallurgy, machinery and spinning and weaving, is suitable in waiting halls, room natatorium, stadium, market, stores and storehouse for a forced draft at the same time.

This series of products has obtained the National Industrial Product Production License, Number: XK06-015-00408.



结构特点

Feature

YDTW型屋顶风机根据不同的空气动力特性分为YDTW-I型和YDTW-II型，使该风机的风量覆盖面达到1000m³/h-400000m³/h为用户提供了宽阔的选择余地。用户可根据使用条件选择合适的机型。

YDTW型屋顶风机按室外气候条件设计，机壳和蘑菇型风帽用玻璃钢材料，可抵御雪雨和潮湿大气的侵蚀，电机和金属构件也采取了严密的防腐措施；进风口处可配备能自动开闭的百叶风门，风机运转时开启，停止运转时关闭，百叶风门为风机附件，由用户在定货时选用；风机叶片是经过精密设计的机翼形，采用精细加工工艺，具有良好的空气性能；叶轮成型后，要逐个进行静、动平衡检验，以确保风机运行的平稳可靠；电机和叶轮的支撑结构为专利设计，在支撑电机和叶轮的同时，作为叶轮的后导流机构，可减少出口气流的周向旋转，显著提高风机效率；机壳和风帽采用流线型设计，外表面使用胶衣树脂膜，使风机外观光洁、色泽均匀、美观大方；根据用户要求，可提供防爆型和防火型，以满足用户的特殊需求。

YDTW系列屋顶通风机已在秦皇岛热电厂、中央电视台、首都国际机场候机楼和大亚湾核电站等多项国家和地区的重点工程中使用，行销于国内二十多个省、市和自治区，并出口俄罗斯、越南和伊朗等国家和地区，具有良好的市场声誉。

YDTW系列屋顶风机经国家空调设备质量监督检验测试中心检测，各项性能指标达到有关国家标准和行业标准的要求。YDTW系列屋顶通风机经电力工业部考核，在全国电力系统推广应用。

注：配用电机为三相。

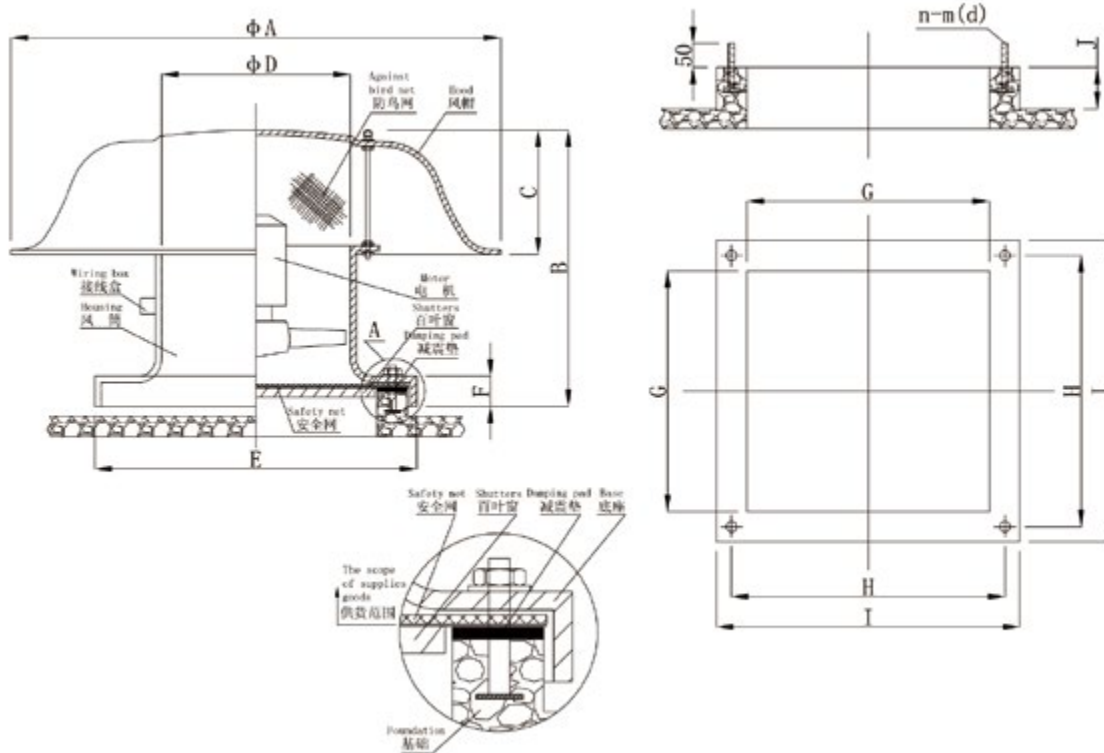
The YDTW roof fan is divided into YDTW-I and YDTW-II, basis on different aerodynamic characteristics. Let the volume cover 1000m³/h-400000m³/h, provide a broad choice for users. The user may choose an appropriate type according to the exploitation conditions.

The cabinet and mushroom hat of the YDTW roof fan is made of glass fiber reinforced plastic material according to outdoor climatic conditions, they may resist snow rain and moist atmospheric corrosion, the motor and the metal parts are taken a strict anticorrosion measure. The inlet place may provide an automatic air throttle, closes when turns off, it is an appendix, selected by user when ordering. The leaf blade is the wing form and passed through precise design, has the good air performance. After impeller shape taken, act and still equilibrium examination must be carried on to make sure the fan moves reliably. The supporting structure of motor and impeller is a patent design, while supporting the motor and impeller, may serve as current backward and reduce the periphery revolving at the outlet and enhance its efficiency. The cabinet and the hat adopt a streamline form design, the outside surface use rubber clothes resin membrane, bright and clean. According to the user request, may provide the explosion-proof and the fire protection to satisfy the special demand of the user.

The YDTW series roof fan has already been used in Qinhangdao Thermal Power Plant, Central Committee Television, Capital International Airport and the Daya Bay Nuclear Power Station. Sold to more than 20 provinces in domestic, and exported to Russia, Vietnam and Iran and so on, has won a good market prestige.

The YDTW series roof fan has passed the center examination by the National Air Conditioning Equipment Quality Surveillance, each performance has achieved the related national standard and the profession request. The YDTW series roof fan has inspected by Electric Power Industry Ministry, and applied in nation electrical power system.

Note: The matched motor is three-phases.

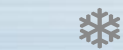


YDTW 型屋顶风机性能安装外形尺寸表

Performance and installation external dimensions of the YDTW power roof fan

机号 Serial number	风机外形尺寸 Outlook						风机基础尺寸 Foundation					
	A	B	C	D	E	F	G	H	I	J	n	d
No.3	860	510	220	312	580	50	400	480	560	100	4	10
No.4	860	550	240	412	680	50	470	565	660	100	4	12
No.5	1200	690	290	512	850	50	600	725	820	100	4	12
No.6	1300	750	330	600	1020	80	750	850	980	130	4	12
No.7	1300	780	350	700	1020	80	800	900	980	130	4	12
No.8	1600	950	450	812	1280	100	1000	1130	1230	150	4	14
No.9	1600	1000	360	900	1310	100	1000	1150	1270	150	4	14
No.10	2000	1100	440	1000	1470	100	1150	1300	1430	150	4	14
No.11.2	2300	1430	650	1132	1550	120	1200	1350	1500	170	8	16
No.12.5	2630	1525	800	1262	1740	120	1400	1550	1700	170	8	16
No.14	2300	1410	620	1412	1910	150	1580	1730	1880	200	8	18
No.15	2300	1440	620	1512	2020	150	1700	1850	2000	200	8	18
No.16	3130	1776	926	1612	2170	150	1825	1975	2100	200	8	20
No.18	3420	1900	900	1812	2380	150	2030	2180	2300	200	8	20
No.20	3420	2000	900	2012	2560	150	2200	2390	2500	200	8	20
No.22	4400	1900	750	2212	2920	150	2400	2600	2800	200	8	22
No.24	4400	2010	750	2412	3020	150	2700	2900	3000	200	8	22
No.28	5200	3000	1610	2812	3590	150	3220	3395	3570	200	8	22
No.32	5800	3400	1840	3212	4100	150	3680	3880	4080	200	8	22





YDTW-1型风机技术参数

Parameter of YDTW-1 fan

机号 No. Serial number	叶轮直径 (mm) Impeller diameter	转速(r / min) Speed	叶片安装角度(°) Installation angle	参考流量(m³ / h) Current capacity	参考全压(Pa) Total pressure for reference	实际消耗功率(Kw) Actual consumed power	配用电机功率(Kw) Matched motor power	重量 (kg) Weight	噪声dB(A) Noise		
3T	300	2900	15	2340	252	0.24	0.37	24	66		
				3220	191						
				3660	138						
3F		300	1450	20	1493	103	0.06	0.06	28	52	
					2054	78					
					2335	56					
3S			300	970	25	1143	60	0.03	0.06	30	48
						1573	46				
						1788	33				
4T	400			2900	15	4517	297	0.54	0.75	31	70
						6215	225				
						7064	163				
4F		400		1450	20	2892	122	0.14	0.25	32	65
						3980	92				
						4524	67				
4S			400	970	25	2219	72	0.06	0.12	35	53
						3053	54				
						3470	39				
5F	500			1450	15	6053	218	0.53	0.55	50	67
						8331	165				
						9468	120				
5S		500		970	20	5008	150	0.3	0.37	55	63
						6893	113				
						7834	82				
5E			500	720	25	4036	97	0.16	0.25	61	57
						5555	74				
						6313	53				
6F	600			1450	15	10459	314	1.32	1.5	62	73
						14396	238				
						16361	172				
6S		600		970	20	8654	215	0.75	0.75	60	65
						11911	163				
						13537	118				
6E			600	720	25	6974	140	0.39	0.55	68	61
						9599	106				
						10910	77				
7S	700			970	15	12337	236	1.17	1.5	98	68
						16981	179				
						19299	129				
7E		700		720	20	9982	155	0.62	0.75	99	62
						13739	117				
						15615	85				
7N			700	560	25	8053	101	0.33	0.37	98	58
						11084	76				
						12597	55				
8S	800			970	15	17716	285	2.03	2.2	125	73
						24384	216				
						27713	156				
8E		800		720	20	14286	186	1.07	1.5	125	67
						19664	141				
						22348	102				
8N			800	560	25	11539	121	0.56	0.75	120	64
						15882	92				
						18050	66				
9S	900			970	15	24076	329	3.18	4	165	77
						33138	249				
						37661	180				
9E		900		720	20	19547	217	1.7	2.2	155	72
						26904	164				
						30576	119				
9N			900	560	25	15733	141	0.89	1.1	160	67
						21654	106				
						24610	77				
10S	1000			970	15	31881	379	4.86	5.5	225	80
						43881	287				
						49871	207				
10E		1000		720	20	25832	249	2.58	3	215	76
						35555	188				
						40409	136				
10N			1000	560	25	20927	163	1.38	1.5	105	70
						28804	124				
						32736	89				



YDTW-1型风机技术参数

Parameter of YDTW-1 fan

机号 No. Serial number	叶轮直径 (mm) Impeller diameter	转速(r/min) Speed	叶片安装角度(°) Installation angle	参考流量(m³/h) Current capacity	参考全压(Pa) Total pressure for reference	实际消耗功率(Kw) Actual consumed power	配用电机功率(Kw) Matched motor power	重量 (kg) Weight	噪声dB(A) Noise
11.2S	1120	970	15	33795	323	4.08	5.56	325	80
				43700	242				
				48556	168				
			20	36012	337	4.71	5.5		
				47309	258				
				54067	178				
			25	38360	348	5.38	5.5		
				52798	264				
				60005	191				
11.2E	1120	720	15	27115	208	2.11	2.2	325	76
				35062	156				
				38958	108				
			20	29063	219	2.48	3		
				38179	168				
				43633	116				
			25	31009	228	2.83	3		
				42681	172				
				48507	125				
11.2N	1120	560	15	21417	130	1.04	1.1	300	71
				27694	97				
				30771	67				
			20	22829	135	1.20	1.5		
				29990	104				
				34274	72				
			25	24486	142	1.39	1.5		
				33702	107				
				38302	78				
12.5S	1250	970	15	49167	441	8.12	11	490	81
				63578	331				
				70643	229				
			20	52407	459	9.35	11		
				68845	352				
				78680	243				
			25	55563	471	10.6	15		
				76475	357				
				86915	258				
12.5E	1250	720	15	39334	282	4.16	5.5	455	76
				50863	212				
				56514	146				
			20	41867	293	4.78	5.5		
				54999	225				
				62856	155				
			25	44386	301	5.38	7.5		
				61092	228				
				69432	165				
12.5N	1250	560	15	30593	171	1.95	2.2	420	73
				39560	128				
				43955	89				
			20	32381	175	2.20	3		
				42538	134				
				48615	93				
			25	34487	181	2.51	3		
				47458	137				
				53947	99				
14E	1400	720	15	50656	297	5.64	7.5	505	77
				65503	223				
				72782	154				
			20	53884	309	6.47	7.5		
				70786	237				
				80898	163				
			25	57425	320	7.38	7.5		
				79083	242				
				89828	175				
14W	1400	480	15	40678	192	2.92	4	495	68
				52601	144				
				58446	100				
			20	43189	198	3.33	4		
				56737	152				
				64842	105				
			25	46421	209	3.90	4		
				63893	158				
				72614	115				

YDTW-1型风机技术参数

Parameter of YDTW-1 fan

机号 No. Serial number	叶轮直径 (mm) Impeller diameter	转速 (r / min) Speed	叶片安装角度(°) Installation angle	参考流量(m³ / h) Current capacity	参考全压(Pa) Total pressure for reference	实际消耗功率(Kw) Actual consumed power	配用电机功率(Kw) Matched motor power	重量 (kg) Weight	噪声dB(A) Noise
15E	1500	720	15	53337	250	5.00	5.5	565	78
				68970	188				
				76633	130				
			20	56662	259	5.69	7.5		
				74436	198				
				85069	137				
			25	60161	267	6.42	7.5		
				82804	201				
				94108	146				
15W	1500	480	15	44368	173	1.88	3	555	69
				57373	130				
				63748	90				
			20	47556	182	3.88	4		
				62473	140				
				71398	97				
			25	50585	188	3.82	4		
				69619	142				
				79122	103				
16E	1600	720	15	66220	298	7.37	7.5	665	80
				85630	223				
				95144	155				
			20	70363	309	8.42	11		
				92435	236				
				105640	163				
			25	74408	315	9.41	11		
				102414	238				
				116394	173				
16W	1600	480	15	52701	189	3.73	4	615	74
				68148	142				
				75720	98				
			20	56242	197	4.31	5.5		
				73883	151				
				84438	104				
			25	59527	202	4.81	5.5		
				81931	152				
				93116	111				
16X	1600	320	15	43536	129	2.11	2.2	620	68
				56296	97				
				62551	67				
			20	46418	134	2.42	3		
				60978	103				
				69689	71				
			25	49295	138	2.72	3		
				67849	104				
				77111	76				
18E	1800	720	15	84825	305	9.69	11	925	81
				109688	229				
				121875	158				
			20	90045	315	11.0	11		
				118289	242				
				135188	167				
			25	95350	323	12.4	15		
				131238	244				
				149153	177				
18W	1800	480	15	65250	181	4.40	5.5	955	72
				84375	135				
				93750	94				
			20	69937	190	5.18	5.5		
				91875	146				
				105000	101				
			25	74161	195	5.83	7.5		
				102074	148				
				116008	107				



YDTW-1型风机技术参数

Parameter of YDTW-1 fan

机号 No. Serial number	叶轮直径 (mm) Impeller diameter	转速(r/min) Speed	叶片安装角度(°) Installation angle	参考流量(m ³ /h) Current capacity	参考全压(Pa) Total pressure for reference	实际消耗功率(Kw) Actual consumed power	配用电机功率(Kw) Matched motor power	重量 (kg) Weight	噪声dB(A) Noise
18X	1800	320	15	53831	123	2.47	3	855	66
				69609	92				
				77344	64				
			20	57349	128	2.85	3		
				75337	98				
				86100	68				
			25	60918	132	3.24	4		
				83847	100				
				95292	72				
20W	2000	480	15	98904	272	10.1	11	1145	77
				127893	204				
				142104	141				
			20	105530	284	11.7	15		
				138632	218				
				158436	150				
			25	112630	296	13.3	15		
				155021	223				
				176183	162				
20X	2000	320	15	73843	152	4.20	5.5	1150	69
				95486	114				
				106096	79				
			20	78668	158	4.83	5.5		
				103344	121				
				118107	84				
			25	83709	163	5.50	5.5		
				115216	124				
				130944	89				
22W	2200	480	15	118537	267	11.8	15	1400	78
				153281	200				
				170321	139				
			20	126095	277	13.6	15		
				165648	212				
				189311	147				
			25	134194	287	15.5	18.5		
				184702	217				
				209915	157				
22X	2200	320	15	93221	165	5.77	7.5	1370	70
				120545	124				
				133939	86				
			20	99918	174	6.74	7.5		
				131260	133				
				150011	92				
			25	107113	183	7.85	11		
				147429	138				
				167554	100				
24W	2400	480	15	139200	260	13.5	15	1450	83
				180000	195				
				200000	135				
			20	148371	271	15.6	18.5		
				194911	208				
				222756	143				
			25	158211	281	17.9	18.5		
				217758	231				
				247484	154				
24X	2400	320	15	114840	177	7.62	11	1430	77
				148500	133				
				165000	92				
			20	122261	184	8.74	11		
				160611	141				
				183556	97				
			25	130637	192	10.1	11		
				179806	145				
				204351	105				



4—72离心通风机、F4—72防腐离心通风机、B4—72防爆离心通风机

4-72 Centrifugal Fan, F4-72 Non-corrosive Centrifugal Fan, B4-72 Explosion-proof Centrifugal Fan

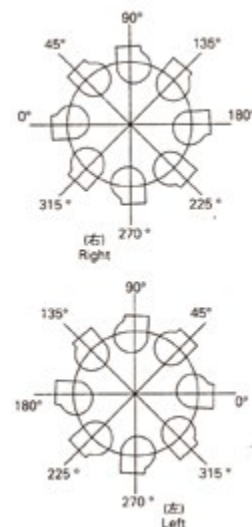
结构型式 Structure pattern

4-72型离心通风机是一种高效节能的离心式风机，其机翼型叶片、曲线型叶轮前盘和锥弧型进口集流器等结构，使风机具有优良的空气动力性能，在我国经济建设事业中，历经多年，经久不衰。4-72型风机中，№ 2.8~6A 风机主要由叶轮、机壳、进风口和电动机等部件组成。№ 8~10C、D 风机还有传动组和皮带轮或联轴器。4-72型风机的旋转方向分有右旋转和左旋转，从电动机一端正视，叶轮按顺时针方向旋转，称为右旋转风机，以“右”表示。按逆时针方向旋转，称为左旋转风机，以“左”表示。风机的旋转方向需在定货时注明。4-72型风机的出风口位置以机壳出风口角度表示。№ 2.8~6A 在出厂时均做成 1 种型式，用户可根据所需要的出风口位置安装，定货时不需注明。№ 2.8 出风口位置调整范围为 0° ~225°，间隔 45°；№ 3.2~6A 出风口位置调整范围为 0° ~225°，间隔为 22.5°。№ 8~12 出风口位置为 0° ~225°，间隔 45°，需在定货时注明。№ 16~20 出风口位置为 3 种固定的角度：0°、90°、180°，安装时不能调整，需在定货时注明。4-72型风机的传动方式有 A、B、C、D 4 种，A 式为叶轮与电动机直联传动；B 式为皮带传动，皮带轮在两轴承中间；C 式为皮带传动，皮带轮在轴承外侧悬臂；D 式为叶轮与电动机通过联轴器传动。№ 2.8~5 采用 A 式传动；№ 6 采用 A、C 和 D3 种方式传动；№ 8~12 采用 C 和 D2 种方式传动。

F4-72 型风机是 4-72 型风机的派生系列产品，是防腐型风机。由玻璃钢材料和塑料材料制造，金属零部件也全部覆以防腐层，可有效防止风机各个部位遭受侵蚀。F4-72 型风机的性能、选用件和地基尺寸与 4-72 型风机一致。B4-72 型风机的性能、选用件和地基尺寸与 4-72 型风机一致，结构基本相同，№ 2.8~6A 采用 B35 型带法兰盘与底脚的电动机，№ 6~12C、D 所配电动机选用与 Y 系列对应的 YB 系列 B3 型电机。

B4-72 型风机也是 4-72 型风机的派生系列产品，是防爆场合的专用风机。配备防爆电机，关键零部件覆以防静电表层或采用有色金属制造，可有效防止产生摩擦静电和电器部件的电火花泄露。

注：F4-72 和 BF4-72 在选型时请注明使用环境及气体成份。



4-72 centrifugal fan is one kind of highly effective energy saving one, its wing leaf blade, the curve impeller and awl arc current collector make the fan have a fine lift-drag ratio. In 4-72 fan, № the 2.8-6A fan is mainly composed of impeller, cabinet, inlet and motor. № 8-10C, D fan is composed of transmission, belt pulley and shaft coupling. The rotation of 4-72 fan is divided into the clockwise and the counterclockwise, facing squarely from one side of the motor, if the impeller revolves clockwise, the fan is called a clockwise rotation one. If counterclockwise, counterclockwise one, expressed by "left". The rotation of the fan must indicate when ordering. The outlet position of 4-72 fan is indicated by outlet of the cabinet. № 2.8-6A was made into 1 kind of pattern when leaving the plant, the user may install it according to the outlet position, no indication when ordering. № 2.8 outlet position may adjust from 0° to 225°, gap 45°. № 3.2-6A outlet position may adjust from 0° to 225°, gap 22.5°. № 8-12 0°~225°, gap 45°, must indicate when ordering. № 16-20 has 3 kind of fixed angles: 0°, 90°, 180°, cannot adjust when installs, must indicate when ordering. The transmission of 4-72 fan has A, B, C, D 4 kinds. A: impeller and motor straight jointed. B: leather belt, the belt pulley between two bearings. C: leather belt, the belt pulley in the flank bracket outside the bearing. D: shaft coupling transmission for impeller and motor. № 2.8-5 uses A type; № 6, A, C and D3; № 8-12, C and D2.

F4-72 fan is a derivation product from 4-72, made of glass fiber reinforced plastic material. Its metal parts are covered by anticorrosion level, and prevent corrosion effectively. The performance, selected parts and ground size of F4-72 fan is consistent with 4-72. The B4-72 is consistent with 4-72. № 2.8-6A uses the B35 with flange plate and the footing electric motor, The motor matched for № 6-12C, D is corresponding with YB and B3 in Y series corresponding.

B4-72 fan is a derivation product from 4-72 too, is a special-purpose one against explosion situation. It has explosion-proof electrical machinery, the essential spare part uses the static electricity surface layer or the non-ferrous metal, can prevent friction static electricity and electric spark effectively.

Remark: during the selection of F4-72 and BF4-72, please indicate their working environment and gas composition.

适用场合

Suitable situation

4-72 型离心通风机适合于各类民用和工业建筑的送风、排风和一般通风换气。

F4-72 型防腐离心通风机适宜于在化工厂、实验室、地下室、浴池，等场合安装使用，输送带腐蚀性气体、含酸碱性和高湿度气体。

B4-72 型防爆离心通风机是防爆专用风机，适宜于在燃油燃气锅炉房，高浓度粉尘车间、油库、储气站、易爆物品存放仓库，等有防爆要求的场合安装使用，可输送具有易燃、易爆和易挥发性的气体。

4-72 centrifugal fan suits in ventilation, deliver or exhaust in all kinds of civil and industry architectures.

The F4-72 anticorrosion centrifugal fan is suitable in chemical plant, laboratory, basement, bathing pool and so on, to convey caustic gas, acid or alkali gas and high-moisture gas.

B4-72 explosion-proof centrifugal fan is suitable in boiler (oil or gas as fuel), highly concentrated dust workshop, fuel depot, gas storage stands, high explosive cargo warehouse and so on, this situation has the explosion-proof request, to transport the flammable, explosive and easy volatile gas.

执行标准

Standard carried out

GB/T 1236-2000 《工业通风机 用标准化风道进行性能试验》(等同 ISO 5801: 1997)

GB/T 2888-91 《风机和罗茨鼓风机噪声测量方法》

GB/T 1236-2000 "Industry Fan, Performance Test through Standardized Air Pipe" (to equate ISO 5801: 1, 997)

GB/T 2888-91 "Air Blower and LuoTribulus Air Blower Noise Measurement Method"



4-72-12、F4-72-12、B4-72-12离心式风机性能参数表

Performance parameter of 4-72-12,F4-72-12,B4-72-12 centrifugal fan

机号 No. Serial number	转速(r/min) !Speed	工况点 Operating mode	风量 (m ³ /h) Volume	全压 (Pa) Total pressure	电动机 Motor	
					型号 Model	功率(KW) Power
2.8A	2900	1	1330	970	Y90S-2	1.5
		2	1650	892		
		3	1810	843		
		4	1970	784		
		5	2130	745		
		6	2450	600		
3.2A	2900	1	1975	1270	Y90L-2	2.2
		2	2450	1167		
		3	2670	1098		
		4	2930	1019		
		5	3165	941		
		6	3640	800		
3.2A	1450	1	991	320	Y90S-4	1.1
		2	1253	294		
		3	1385	264		
		4	1515	254		
		5	1640	235		
		6	1910	200		
3.6A	2900	1	2930	1650	Y100L-2	3
		2	3638	1539		
		3	3992	1471		
		4	4846	1382		
		5	4700	1294		
		6	5408	1090		
3.6A	1450	1	1470	410	Y90S-4	1.1
		2	1820	382		
		3	1990	372		
		4	2170	353		
		5	2350	323		
		6	2710	280		
4A	2900	1	4020	2040	Y132S-2	5.5
		2	4990	1902		
		3	5480	1814		
		4	5970	1706		
		5	6450	1598		
		6	7420	1340		
4A	1450	1	2010	510	Y90S-4	1.1
		2	2500	480		
		3	2740	460		
		4	2980	431		
		5	3220	402		
		6	3710	340		
4.5A	2900	1	5730	2580	Y132S ₂ -2	7.5
		2	7120	2412		
		3	7810	2314		
		4	8500	2177		
		5	9200	2030		
		6	10580	1700		
4.5A	1450	1	2860	650	Y90S-4	1.1
		2	3550	608		
		3	2900	578		
		4	4240	549		
		5	4590	509		
		6	5280	430		
5A	2900	1	7950	3180	Y160M ₂ -2	15
		2	9880	3069		
		3	10850	2971		
		4	11830	2844		
		5	12780	2628		
		6	14720	2200		

机号 No. Serial number	转速(r/min) !Speed	工况点 Operating mode	风量 (m ³ /h) Volume	全压 (Pa) Total pressure	电动机 Motor	
					型号 Model	功率(KW) Power
5A	1450	1	3977	810	Y100L ₁ -4	2.2
		2	4943	764		
		3	5426	715		
		4	5909	706		
		5	6392	647		
		6	7358	560		
6A	1450	1	6840	1160	Y112M ₂ -4	4
		2	8520	1098		
		3	9360	1068		
		4	10200	1019		
		5	11040	941		
		6	12720	800		
6A	980	1	4520	510	Y100L-6	1.5
		2	5620	480		
		3	6170	470		
		4	6720	441		
		5	7270	411		
		6	8370	350		
6C	2240	1	10600	2780	Y160M-4	15
		2	13200	2628		
		3	14500	2549		
		4	15800	2432		
		5	17100	2245		
		6	19600	1920		
6C	2000	1	9500	2220	Y160M-4	11
		2	11800	2098		
		3	12950	2039		
		4	14100	1941		
		5	15250	1794		
		6	17600	1530		
6C	1800	1	8520	1800	Y132M-4	7.5
		2	10600	1696		
		3	11600	1647		
		4	12700	1569		
		5	13700	1451		
		6	15800	1240		
6C	1600	1	7560	1420	Y132S-4	5.5
		2	9400	1343		
		3	10300	1304		
		4	11200	1235		
		5	12000	1147		
		6	14000	980		
6C	1250	1	5920	860	Y100L ₂ -4	3
		2	7360	813		
		3	8100	794		
		4	8800	755		
		5	9500	696		
		6	11000	590		
6C	1120	1	5300	700	Y100L ₁ -4	2.2
		2	6600	657		
		3	7250	637		
		4	7900	608		
		5	8530	558		
		6	9800	480		
6C	1000	1	4730	550	Y100L ₁ -4	2.2
		2	5880	519		
		3	6450	509		
		4	7030	480		
		5	7300	451		
		6	8750	380		



4-72-12、F4-72-12、B4-72-12离心式风机性能参数表

Performance parameter of 4-72-12,F4-72-12,B4-72-12 centrifugal fan

机号 No. Serial number	转速(r/min) !Speed	工况点 Operating mode	风量 (m ³ /h) Volume	全压 (Pa) Total pressure	电动机 Motor		
					型号 Model	功率(KW) Power	
6C	900	1	4250	450	Y100L ₁ -4	2.2	
		2	5270	421			
		3	5800	411			
		4	6400	392			
		5	6800	362			
		6	7850	310			
6C	800	1	3780	340	Y90S-4	1.1	
		2	4700	313			
		3	5160	304			
		4	5610	294			
		5	6080	274			
		6	7000	230			
6D	1450	1	6840	1160	Y112M-4	4	
		2	8520	1098			
		3	9360	1068			
		4	10200	1019			
		5	11040	941			
		6	12720	800			
6D	960	1	4520	510	Y100L-6	1.5	
		2	5620	480			
		3	6170	470			
		4	6720	441			
		5	7270	411			
		6	8370	350			
7A	1450	1	10602	1550	Y160M-4	11	
		2	21204	984			
	1450	1	10302	1550	Y132M-4	7.5	
		2	21204	984			
		960	1	7312	736	Y132S-6	3
			2	14623	468		
7C	1800	1	12521	2406	Y160L-4	15	
		2	14166	2369			
		3	15812	2310	Y180M-4	18.5	
		4	17457	2225			
		5	19102	2093			
		6	20747	1945			
		7	22392	1744			
		8	24038	1506			
7C	1600	1	11130	1897	Y160M-4	11	
		2	12592	1868			
		3	14055	1822			
		4	15517	1755			
		5	16980	1651			
		6	18442	1534			
		7	19904	1376			
		8	21367	1189			
7C	1250	1	8696	1155	Y132S-4	5.5	
		2	9838	1137			
		3	10980	1109			
		4	12123	1069			
		5	13265	1005			
		6	14408	934			
		7	15550	838			
		8	16693	724			
7C	1120	1	7791	927	Y112M-4	4	
		2	8815	912			
		3	9839	890			
		4	10862	857			
		5	11886	807			
		6	12909	750			

机号 No. Serial number	转速(r/min) !Speed	工况点 Operating mode	风量 (m ³ /h) Volume	全压 (Pa) Total pressure	电动机 Motor		
					型号 Model	功率(KW) Power	
7C	1120	7	13933	673	Y112M-4	4	
		8	14957	581			
7C	1000	1	6957	738	Y100L2-4	3	
		2	7871	727			
		3	8785	709			
		4	9699	683			
		5	10612	643			
		6	11526	597			
		7	12440	536			
		8	13354	463			
7C	900	1	6261	598	Y100L2-4	3	
		2	7083	588			
		3	7906	574			
		4	8729	553			
		5	9551	520			
		6	10373	484			
		7	11196	434			
		8	12019	375			
7C	800	1	5565	472	Y100L1-4	2.2	
		2	6296	463			
		3	7028	453			
		4	7759	437			
		5	8490	411			
		6	9221	382			
		7	9952	343			
		8	10683	296			
7C	710	1	4939	372	Y90L-4	1.5	
		2	5588	366			
		3	6237	357			
		4	6886	344			
		5	7535	324			
		6	8184	301			
		7	8832	270			
		8	9482	233			
8C	1800	1	20100	3118	Y200L ₁ -2	30	
		2	25000	3010			
		3	27450	2932			
		1800	4	29900	2794	Y200L ₂ -2	37
			5	32400	2579		
			6	34800	2363		
8C	1600	1	17920	2520	Y180M-2	22	
		2	22280	2392			
		3	24460	2314			
		4	26640	2196			
		5	28820	2039			
		6	31000	1880			
8C	1250	1	14000	1540	Y160M-4	11	
		2	17400	1451			
		3	19100	1412			
		4	20800	1343			
		5	22500	1245			
		6	24200	1160			
8C	1120	1	12500	1236	Y132M-4	7.5	
		2	15560	1167			
		3	17100	1137			
		1120	4	18620	1078	Y160M-4	11
			5	20120	1000		
			6	21650	930		
8C	1000	1	11200	981	Y132S-4	5.5	
		2	13900	931			



4-72-12、F4-72-12、B4-72-12离心式风机性能参数表

Performance parameter of 4-72-12,F4-72-12,B4-72-12 centrifugal fan

机号 No. Serial number	转速(r/min) !Speed	工况点 Operating mode	风量 (m ³ /h) Volume	全压 (Pa) Total pressure	电动机 Motor	
					型号 Model	功率(KW) Power
8C	1000	3	15360	902	Y132S-4	5.5
		4	16600	803	Y132M-4	7.5
		5	18000	794		
		6	19300	740		
8C	900	1	10050	790	Y112M-4	4
		2	12500	755		
		3	13750	735		
		4	14950	696		
		5	16200	647	Y132S-4	5.5
		6	17400	600		
8C	800	1	8960	630	Y100L ₂ -4	3
		2	11140	598		
		3	12200	578		
		4	13300	549		
		5	14400	509		
		6	15500	470		
8C	710	1	7920	490	Y100L ₁ -4	2.2
		2	9850	460		
		3	10810	451		
		4	11780	431		
		5	12740	402		
		6	13710	380		
8C	630	1	7040	380	Y100L ₁ -4	2.2
		2	8760	372		
		3	9610	362		
		4	10480	343		
		5	11340	313		
		6	12200	290		
8D	1450	1	16200	2060	Y180M-4	18.5
		2	20130	1961		
		3	22100	1902		
		4	24060	1814		
		5	26025	1667		
		6	27990	1560		
8D	960	1	10730	910	Y132M ₂ -6	5.5
		2	13320	863		
		3	14520	833		
		4	15940	794		
		5	17240	735		
		6	18560	690		
8D	730	1	8150	530	Y132M-8	3
		2	10150	490		
		3	11150	480		
		4	12150	460		
		5	13150	421		
		6	14150	400		
10C	1250	1	34800	2390	Y225S-4	37
		2	37850	2314		
		3	41300	2226		
		4	44050	2118		
		5	47100	2000		
		6	50150	1900		
10C	1120	1	31200	1920	Y180L-4	22
		2	33900	1853	Y220L-4	30
		3	36700	1784		
		4	39450	1696		
		5	42100	1598		
		6	45000	1520		
10C	1000	1	27800	1530	Y180M-4	18.5
		2	30300	1480		

机号 No. Serial number	转速(r/min) !Speed	工况点 Operating mode	风量 (m ³ /h) Volume	全压 (Pa) Total pressure	电动机 Motor	
					型号 Model	功率(KW) Power
10C	1000	3	32700	1422	Y180M-4	18.5
		4	35200	1353		
		5	37650	1274	Y180L-4	22
		6	40100	1210		
10C	900	1	25050	1240	Y160L-4	15
		2	27250	1196		
		3	29470	1147		
		4	31680	1098		
		5	33890	1029		
		6	36100	980		
10C	800	1	22150	980	Y160M-4	11
		2	24140	941		
		3	26130	912		
		4	28120	863		
		5	30110	813		
		6	32100	780		
10C	710	1	19780	770	Y132M-4	7.5
		2	21520	745		
		3	23270	715		
		4	25000	686		
		5	26750	647		
		6	22850	610		
10C	630	1	17540	610	Y132S-4	5.5
		2	19100	588		
		3	20650	568		
		4	22180	539		
		5	23750	509		
		6	25280	480		
10C	560	1	15600	480	Y100L ₂ -4	3
		2	16970	460		
		3	18350	441		
		4	19720	421	Y112M-4	4
		5	21100	402		
		6	22470	382		
10C	500	1	13910	390	Y100L ₂ -4	3
		2	15150	372		
		3	16385	353		
		4	17620	343		
		5	18860	323		
		6	20100	300		
10D	1450	1	40400	3220	Y250M-4	55
		2	43960	3108		
		3	47520	2991		
		4	51080	2844		
		5	54640	2687		
		6	58200	2550		
10D	960	1	26730	1410	Y200L ₂ -6	18.5
		2	29050	1363		
		3	31400	1314		
		4	33790	1245		
		5	36150	1176		
		6	38500	1120		
10D	730	1	20800	820	Y160L-8	7.5
		2	22650	784		
		3	24200	755		
		4	25750	725		
		5	27420	676		
		6	29300	650		
12C	1120	1	53800	2770	Y280S-4	75
		2	58600	2677		





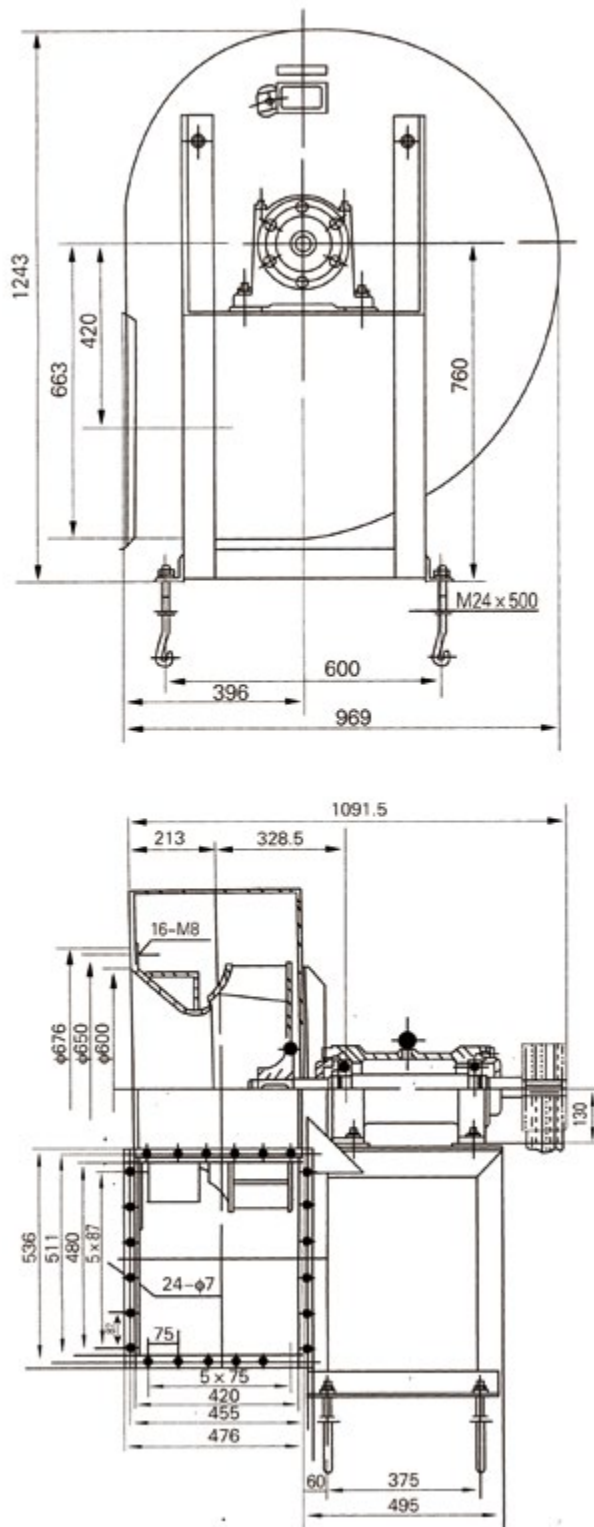
机号 No. Serial number	转速(r / min) !Speed	工况点 Operating mode	风量 (m³/h) Volume	全压 (Pa) Total pressure	电动机 Motor	
					型号 Model	功率(KW) Power
12C	1120	3	63280	2569	Y280S-4	75
		4	68020	2441		
		5	72760	2314		
		6	77500	2190		
12C	1000	1	48100	2210	Y250M-4	55
		2	52340	2128		
		3	56580	2049		
		4	60820	1951		
		5	65060	1843		
		6	69320	1750		
12C	900	1	43200	1780	Y225M-6	30
		2	47000	1726		
		3	50800	1657		
		4	54600	1578	Y250M-6	37
		5	58400	1490		
		6	62200	1410		
12C	800	1	38600	1420	Y200L-6	22
		2	42000	1363		
		3	45420	1323		
		4	48860	1245	Y225M-6	30
		5	52360	1176		
		6	55700	1120		
12C	710	1	34200	1110	Y280L ₁ -6	18.5
		2	37260	1059		
		3	40260	1039		
		4	43320	1000		
		5	46380	931		
		6	49500	880		
12C	630	1	30400	880	Y180L-6	15
		2	33100	853		
		3	35800	823		
		4	38500	774		
		5	41200	735		
		6	43900	700		
12C	560	1	27000	690	Y160M-6	7.5
		2	29380	666		
		3	31750	647		
		4	34140	617	Y160L-6	11
		5	36520	578		
		6	38900	550		
12C	500	1	24100	550	Y132M ₂ -6	5.5
		2	16240	529		
		3	28380	519		
		4	30520	490	Y132M-6	7.5
		5	32600	460		
		6	34800	440		
12C	450	1	21650	451	Y132M ₁ -6	4
		2	23560	431		
		3	25470	411		
		4	27380	392	Y132M ₂ -6	5.5
		5	29200	472		
		6	31200	350		
12C	400	1	19580	360	Y225S-8	3
		2	20980	343		
		3	22680	323		
		4	24390	313		
		5	26090	304		
		6	27800	280		
12D	960	1	46100	2030	Y280S-6	45
		2	50200	1961		
		3	54200	1882		
		4	58400	1794		
		5	62500	1696		
		6	66500	1610		

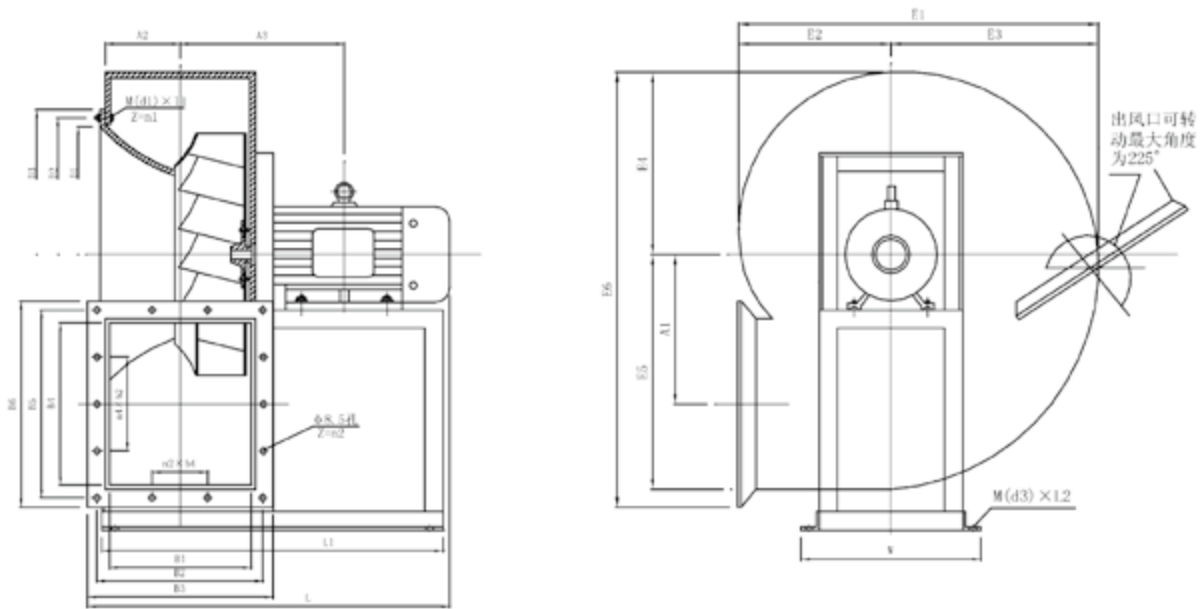
机号 No. Serial number	转速(r / min) !Speed	工况点 Operating mode	风量 (m³/h) Volume	全压 (Pa) Total pressure	电动机 Motor	
					型号 Model	功率(KW) Power
12D	730	1	35000	1170	Y132S-6	18.5
		2	38100	1137		
		3	41100	1098		
		4	44300	1049		
		5	47500	980		
		6	50500	940		



No 6^D 离心通风机安装尺寸图

Installation dimension drawing of the centrifugal fan

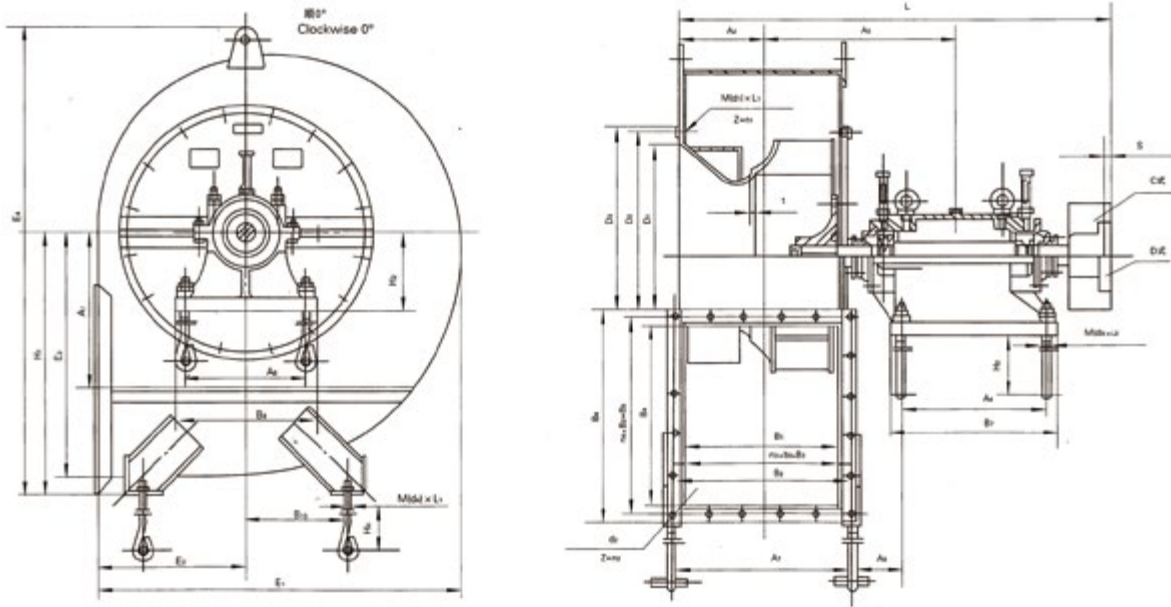




4-72-12、F4-72-12、B4-72-12 № 2.8~6A离心通风机安装及外形尺寸

Installment and external dimensions of 4-72-12,F4-72-12,B4-72-12 №2.8~6A centrifugal fan

机号No. Serial number		2.8	3.2	3.6	4	4.5	5	6						
进风口 Intake	D ₁	φ 280	φ 320	φ 360	φ 400	φ 450	φ 500	φ 600						
	D ₂	φ 306	φ 350	φ 394	φ 440	φ 490	φ 550	φ 650						
	D ₃	φ 324	φ 367	φ 416	φ 462	φ 512	φ 572	φ 676						
连接螺栓 Connecting bolt	规格 Specification	M6 × 30	M6 × 30	M8 × 35	M8 × 35	M8 × 35	M8 × 35	M10 × 40						
	个数 Number	n ₁	10	12	12	12	16	16						
出风口 Outlet	B ₁	196	224	252	280	315	350	420						
	B ₂	228	256	284	315	350	385	455						
	B ₃	251	279	308	336	371	406	476						
	B ₄	224	256	288	320	360	400	480						
	B ₅	256	288	320	355	395	435	511						
	B ₆	278	310	343	374	415	456	536						
螺栓孔 Bolt hole	个数 Number	n ₂	16	16	20	20	20	24						
	间距 Spacing	n ₂ · b ₄	3 × 55	3 × 60	3 × 70	4 × 60	4 × 70	4 × 75	5 × 75					
安装及 外形尺寸 Installment and external dimen- sions	A ₁	196	224	252	280	315	350	420						
	A ₂	100	114.5	129	143	160.5	178	213						
	A ₃	206	220.5	233	235	262	249	302	266.5	319.5	311	391	346	353
	E ₁	455	519	584	647	728	809	969						
	E ₂	187	213	239.5	265	298	331	396						
	E ₃	268	306	344.5	382	430	478	573						
	E ₄	226	258	290.5	322	362.5	403	483						
	E ₅	310	354	398.5	442	497.5	553	663						
	E ₆	561	637	714	789	885	981	1171						
	L ₁	490	300	320	360	360	700	420						
地脚螺栓 Foot bolt	M(d ₃) × L ₂	M10 × 250												
Y电机 Motor	L	485	514	539	543	603	571	706	606	741	701	8781	771	791
	电机重 kg Motor weight	21	22	24	22	32	22	65	22	70	32	123	30	45
叶轮重 kg Impeller weight		5.2	6.6	7.8	17.8	20.5	24	31						
风机重 (不包括电机) kg Fan weight		22	25	31	54	64	76	106						



4-72-12、F4-72-12、B4-72-12 № 2.8~6A离心通风机安装及外形尺寸

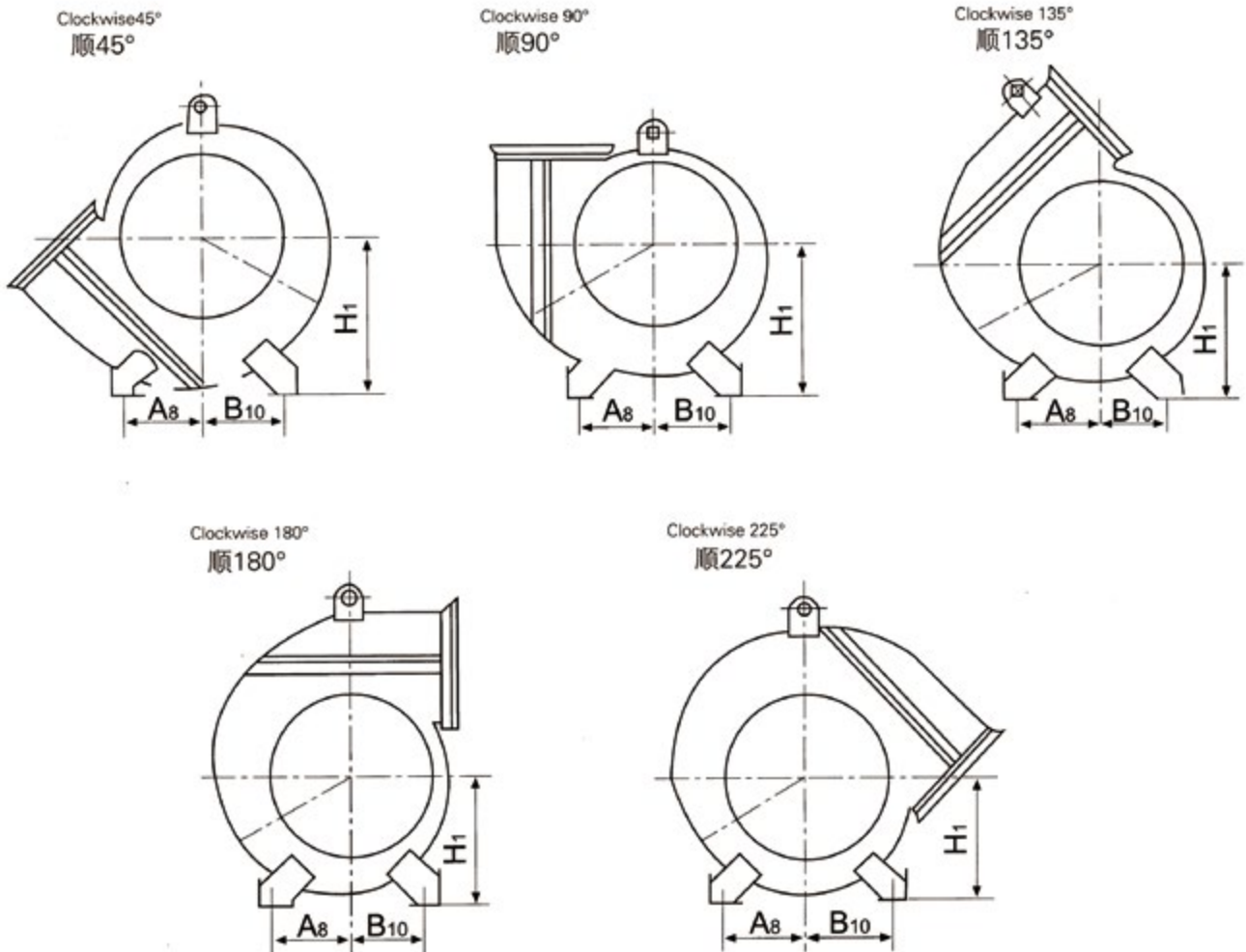
Installment and external dimensions of 4-72-12,F4-72-12,B4-72-12 №2.8~6A centrifugal fan

机号No. Serial number				8	10	12
进风口 Intake	D ₁			φ 800	φ 1000	φ 1200
	D ₂			φ 860	φ 1065	φ 1270
	D ₃			φ 910	φ 1110	φ 1330
	连接螺栓 Connecting bolt	规格 Specification	M(d ₁) × l ₁	M10 × 20	M10 × 20	M10 × 20
	个数 Number	n ₁	16	16	24	
出风口 Outlet	B ₁			560	700	840
	B ₂			625	765	900
	B ₃			669	809	949
	B ₄			640	800	960
	B ₅			700	860	1008
	B ₆			746	906	1066
	螺栓孔 Bolt hole	直径		d ₂	φ 15	φ 15
个数 Number		n ₂	20	20	24	
间距 Spacing		n ₂ · b ₄	5 × 125	5 × 153	6 × 150	
		n ₄ · b ₂	5 × 140	5 × 172	6 × 168	
安装及 外形尺寸 Installment and external dimen- sions	A ₁			560	700	840
	A ₂			297.5	367.5	437.5
	A ₃			697	759	932
	A ₄			520	520	700
	A ₅			174	166	208.5
	A ₆			440	440	620
	A ₇			640	780	920
	t			8	10	12
	B ₇			590	590	780
	B ₈			510	510	700
	E ₁			1291	1611	1931
	E ₂			528	658	788
	E ₃			883	1103	1323
	E ₄			1715	2095	2475
	H ₂			280	280	375
	H ₃			520	520	500
	H ₄			360	360	360
	L			1541.5	1674.5	2021.5
	S			2	2	2
地脚螺栓 Foot bolt	M(d ₃) × L ₂		M24 × 63	M24 × 63	M24 × 63	
	M(d ₄) × L ₃		M16 × 63	M16 × 63	M16 × 63	



B 4-72-12 №8、10、12 离心通风机地脚尺寸图

Foot dimensional drawing of centrifugal fan



B 4-72-12 №8、10、12 离心通风机地脚尺寸表

Foot size table of centrifugal fan

机号No. Serial number	45°			90°			135°			180°			225°		
	H ₁	A ₈	B ₁₀	H ₁	A ₈	B ₁₀	H ₁	A ₈	B ₁₀	H ₁	A ₈	B ₁₀	H ₁	A ₈	B ₁₀
№8	890	450	400	810	450	400	750	450	400	700	450	400	700	450	400
№10	1100	550	500	1000	550	500	950	550	500	850	550	500	800	550	500
№12	1300	650	600	1200	650	600	1100	650	600	1050	650	600	1000	600	650



YTBZ系列低噪声方形壁式轴流风机

YTBZ Series of Low Noise Square Shape Wall Axial Fan

YTBZ 系列钢制玻璃钢壁式轴流通风机具有重量轻、噪声低、运行平稳、效率高、耐腐蚀等优点。可用作机械、化工、印染、电镀、造纸、食品、医药等行业和剧院、宾馆、办公室、各种住宅通风换气之用。

该系列风机叶轮采用低转速，高压力系数的设计方法研制而成，大弦长，空间扭曲，倾斜式宽叶片，使其在低速驱动的前提下，达到所需风量、风压，具有明显的效率高，噪音低，震动小，运行平稳等优点，叶轮采用玻璃钢材质或铝合金制成，也可配用防爆电机，可用于输送易燃易爆气体。

YTBZ 系列壁式轴流风机，广泛试用于工矿企业，民用建筑等场合的壁式排风，并具有以下特点：

A：安装方便，外形美观，整体制成方形。建筑设计时，墙体按不同型号预留方孔，风机从墙体外侧方入墙洞，风机外壳与墙体之间塞以橡皮或软木后，从墙体内侧用固定架将风机与墙体固定即可。

B：防雨和防自然风倒灌作用：风机出口靠外墙侧装有百叶风门，当风机停运时风门自动关闭，防止室内倒灌，风机开启时气流自动吹开风门。

C：运行平稳，噪声低：风机入口装有均流栅，既能确保气流稳定，又能起到安全网作用，方形整体安装牢固，震动小，运行平稳，噪声低。



YTBZ series of glass fiber reinforced plastic wall axial fan has many characteristics such as low weight, low noise, smooth movement, high efficiency anti-corrosive and so on, besides the one of the metal similar. May serve as taking a breath in the places such as machinery, theater, guesthouse, office, each kind of housing and so on.

The impeller of this series of blower uses the design of slow-speed, the high pressure coefficient. The long chord, spatial distortion, incline and wide blade can make it achieve necessary volume and pressure at a low speed starting. It has many obvious characteristics such as high efficiency, low noise, slight vibration, smooth movement. The impeller is made of glass fiber reinforced plastic, may match the anti-explosion motor to transport the flammable and explosive gas.

YTBZ series of wall axial fan is widely used in industry and mining enterprise and for discharging through wall, and has the following characteristics:

A: Convenient installation, beautiful contour and square shape. On architectural designing, should reserve a square hole. The fan is installed in the hole from the outside wall. Rubber or cork should be put between the scroll and wall. Fix the fan in the wall by bracket from inside the wall.

B: Prevent rain and natural wind flowing backward. Shutters is fixed at fan outlet near the outside of the wall. When the fan turns off, the shutters shut-off automatically to prevent air flows backward. When turns on, the air current blows the shutters open automatically.

C: Steady movement, low noise: There is grid at the fan inlet to guarantee the current stably and play a safety net role. The square shape makes the fan install reliably, vibrate slightly, move steady and create noise lowly.

YTBZ系列壁式风机性能参数表

Performance Parameter of YTBZ Series of Wall Blower

机号 Serial number	风量 (m³/h) Volume	风压 (Pa) Pressure	转速 (rpm) Speed	风机容量(KW) Capacity	噪声(dB(A)) Noise
2.2F	400	29.0	1450	0.025	54
2.5F	1000	52.0	1450	0.060	60
2.5T	2000	216	2900	0.370	72
2.8F	1230	45.0	1450	0.040	60
	1650	58.0	1450	0.060	60
3.0F	1600	39.0	1450	0.250	62
3.2T	3000	205	2900	0.550	75
3.6F	2480	73.0	1450	0.090	63
	3370	76.0	1450	0.120	63
4.0S	4000	98	960	0.25	63
4.0F	5000	165	1450	0.37	67
4.5F	5870	121	1450	0.25	65
	6360	139	1450	0.37	66
5.0E	6000	79	720	0.75	63
5.0S	7000	126	960	0.55	68
5.0F	8100	162	1450	1.1	73
5.6S	7410	82	960	0.37	69
6.3E	9500	89	720	2.20	67
6.3S	12000	190	960	1.1	75
6.3F	15000	290	1450	2.2	79
7.0E	14500	140	720	1.1	72
7.0S	20000	210	960	2.2	78
7.0F	25000	320	1450	3.0	80
8.0E	22000	160	720	1.5	76
8.0S	25000	197	960	2.2	80
8.0F	28000	290	1450	4.0	82
10.0E	38000	220	720	3.0	81
10.0S	48500	120	960	5.5	85

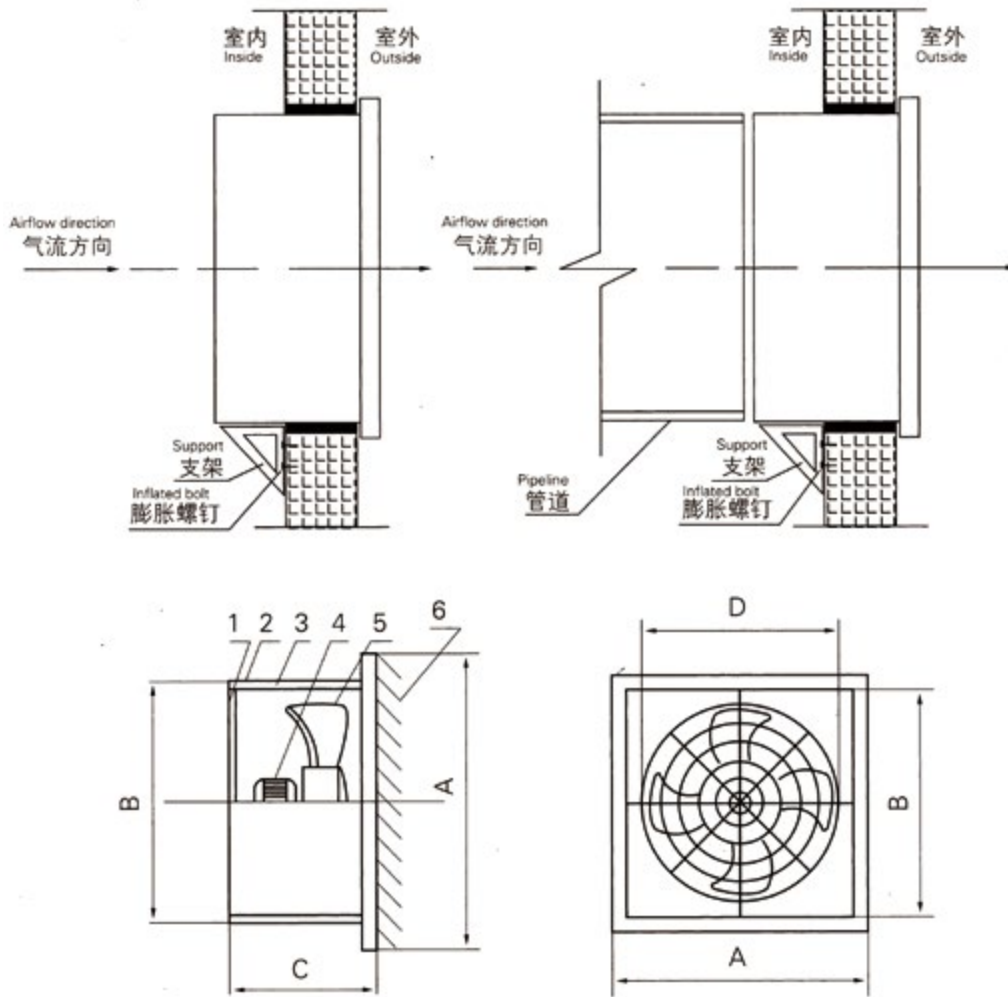
配用电机为三相。

The matched motor is three-phases.

外转子系列参数具体咨询技术部。

Please consult the technical department for the series parameters of the outer rotor.





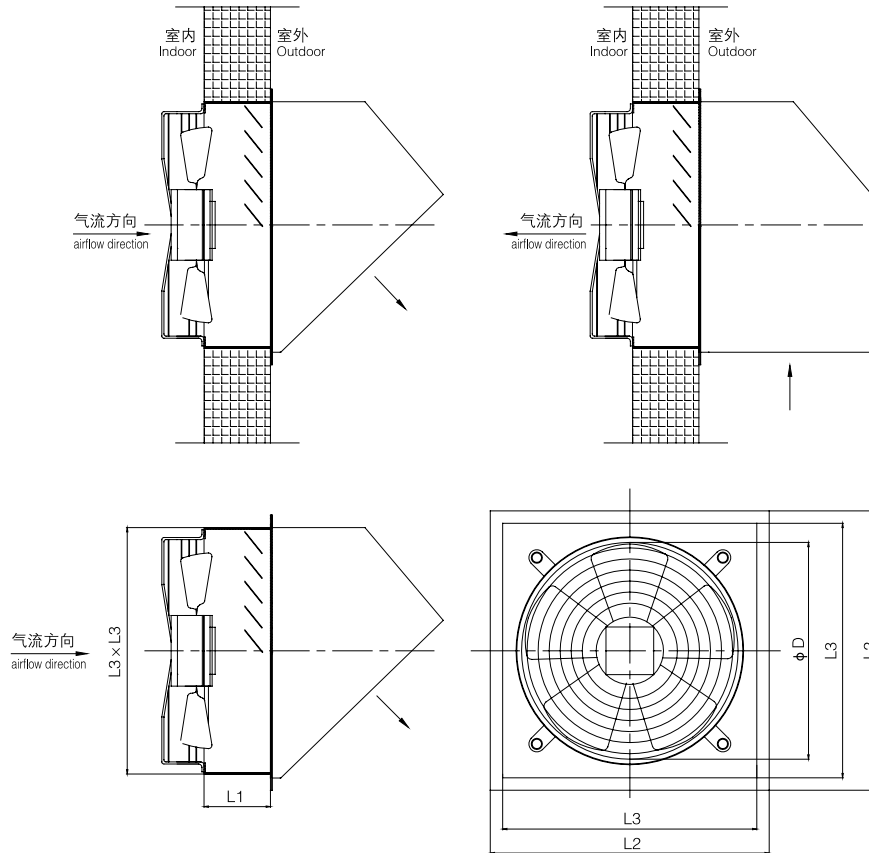
YTBZ系列壁式风机外型尺寸及安装孔尺寸表

External Dimensions and Installment Hole of YTBZ Series of Wall Blower

机号NO. Serial number	A	B	C(C1)	D	安装孔尺寸 Installment hole
2.2	360	295	300(450)	230	325 × 325
2.5	380	320	300(450)	260	350 × 350
2.8	430	370	300(450)	290	400 × 400
3.0	435	375	340(450)	310	405 × 405
3.2	475	415	340(450)	330	445 × 445
3.6	510	450	360(450)	370	480 × 480
4.0	555	495	360(480)	410	525 × 525
4.5	625	565	360(480)	460	595 × 595
5.0	675	615	360(510)	500	645 × 645
5.6	735	675	360(510)	560	705 × 705
6.0	740	680	400(520)	600	710 × 710
6.3	775	715	400(520)	630	745 × 745
7.0	880	800	460(620)	700	830 × 830
8.0	955	875	500(620)	800	905 × 905
10.0	1170	1090	550(840)	1000	1120 × 1120

WEX壁式风机

WEX wall-mounted fan



WEX壁式风机外形尺寸表

Contour size table of WEX wall-mounted fan

机号 Serial number	L1	L2	L3	ΦD	开洞尺寸 Punching size
2.5	260	380	295	260	325 × 325
3	300	435	375	310	405 × 405
3.5	320	510	450	360	480 × 480
4	320	555	495	410	525 × 525
4.5	320	625	565	460	595 × 595
5	320	665	615	510	645 × 645
5.5	320	735	675	560	705 × 705
6	360	740	680	610	710 × 740
6.5	360	775	715	650	740 × 740
7	420	880	800	710	830 × 830
8	440	955	875	810	905 × 905

配电电机电压订货时需要注明，具体参数尺寸请咨询技术部。

Voltage of the power distributing motor should be specified when you place an order. Detailed parameters and dimensions should be consulted with the department of technology.

YTWF无动力屋顶排风器

YTWF Non-engine Power Roof Fan

YTWF 无动力屋顶排风器系采用 CAD 模拟优化设计,经大量试验研究开发的“星火”科研产品,风帽、风筒、叶轮均采用玻璃钢材料制作。

YTWF 无动力屋顶排风器,不用电、无噪音、体积小、重量轻、耐腐蚀、排风效率高、安装方便,广泛适用于商用建筑和厂矿企业(更适合轻钢结构屋面)的排风换气。

YTWF non-engine power roof Fan is designed by CAD simulation optimization, a "Spark" product. The wind hat, tunnel and impeller are all made of glass fiber reinforced plastic material. YTWF non-engine power roof Fan is no power, no noise, small bulk, low weight, anti-corrosive, high efficiency and easy installment. Is widely suitable (light steel structure roofing is better) for taking a breath in commercial construction, factory and mining enterprise.

性能参数表

Performance parameter list

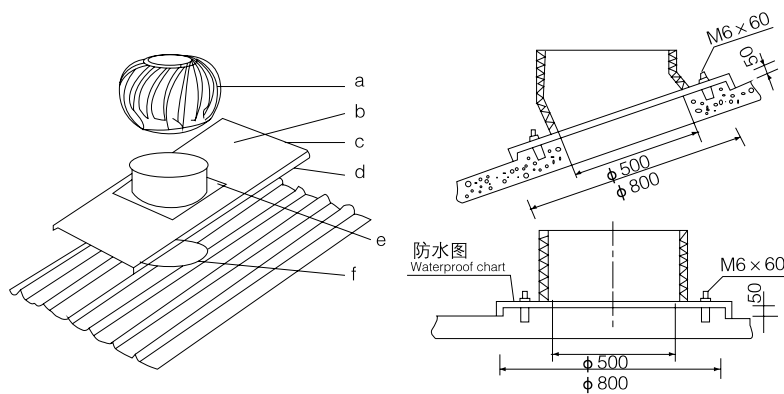
机号 NO. Serial number	排风口径 (mm) Outlet caliber	高度 (mm) Height	叶片数 Blade quantity	叶片排面积 (m ² /片) Area of blade row(piece)	通风口常年 平均风速 (m/s) Average velocity in ordinary year	排风量 (m ³ /min) Exhaust volume	材质 Material	颜色 Color
14"	360	300	20	0.0056	3.0(三级风速) Three speed	23	玻璃钢 FRP	选色 Chosen
20"	500	390	25	0.0083	3.0(三级风速) Three speed	42	玻璃钢 FRP	选色 Chosen
27"	680	640	36	0.0112	3.0(三级风速) Three speed	65	玻璃钢 FRP	选色 Chosen

屋面安装示意图说明

Installment Explanation on Roof

为使排风器达到最高效率,安装的位置必须在屋顶的高处,避免安装在护墙之后或可能被附近的高楼树木挡住风势的地方。

The Fan has to be installed at the highest place on the roof to get the peak efficiency. Is not installed behind a wall or a place which near a high building or a tall tree.



钢筋屋顶装设排风器示意图

The chart of installation on reinforced concrete roof

钢筋混凝土屋顶装设排风器(20")示意图

The chart of installation on reinforced concrete roof

注:14"内径为准360,外径准600;27"内径为准680,外径准880。

- 排风器
- 钢板上缘必须插入脊梁的盖板内
- 平面钢板成型后必须大于安装孔的面积
- 钢板两侧向下折成直角,必须掩盖屋面板的波峰
- 调整座
- 安装孔

Note:14" the inside diameter is $\Phi 360$, outer diameter $\Phi 600$; 27" the inside diameter is $\Phi 680$ outer diameter $\Phi 880$.

- Fan
- The steel plate upper must be inserted into the lap of the back
- The plane steel plate after taken shape must be bigger than the area of the installment hole
- The two lateral of the steel plate must be turned into a downwards, and cover the wave ridge of the roofing board.
- Adjustment place
- Installment hole

换气计算示例

Example of ventilation calculation

厂房用途 Workshop use	建筑物面积 Building area	需要总换气量 Total breath volume	每小时排气量 Breath volume per hour	建议安装数量 Suggested installation quantity
机修厂 Repair workshop	长 50m Length 宽 25m Width 高 6m Height 合计: 7500m ³ Total	每小时换气 6 次(参考) 7500m ³ × 6 次/h = 45000m ³ /h Breath 6 times per hour	选用 20" 排风机 42m ³ /min × 60 = 2520m ³ /h Chosen 20" exhaust fan	45000m ³ /h ÷ 2520m ³ /h = 18 台 需要安装 20" 排风机为 18 台 45000/2520 = 18 sets The 20" installment should be 18



DYZT 屋顶自然采光通风器

DYZT natural light roof ventilator

概述

Outline

DYZT 系列屋顶式自然采光通风装置是由压型钢板组合而成的通风装置，它具有结构简单，重量轻，安装方便，不用维护，采光通风排气为一体，外形美观等特点，又不用电力，亦能达到良好的通风效果。

所以已经被广泛地应用于在电力、冶金、机械、石化、轻工、电子等部门的各种热车间的通风。

我厂吸收了国外先进技术，总结国内同类产品的基础上开发了 DYZT 系列屋顶式自然通风装置。结构更加合理，性能更优越，是较理想的节能型通风装置。

The DYZT series roof natural Fan is made of profiled steel plate. It has many characteristics such as simple structure, low weight, convenient installment, no maintenance, artistic contour and so on. Not only no power, but also can get a good ventilation effect.

Therefore, has widely been applied in each kind of hot workshop ventilating such as electric power, metallurgy, machinery, petroleum, light industry, electron and so on.

My company has developed the DYZT series roof natural Fan on the basis of absorbing the overseas advanced technology and summarizing the similar domestic products. Its structure is more reasonable, performance more superior. It is an ideal energy saving Fan.

结构形式及外型尺寸

Structural style and outlook size

DYZT 系列屋顶式自然通风装置由骨架（薄型空腹方钢）、压型钢板护板、防雨板、泛水板、排水槽及阀板（玻璃钢或镀锌板或铝合金）组成。

通风装置根据喉口尺寸可分为 6 种，即喉口尺寸为 1500、2000、2500、3000、4000、5000mm，又根据结构形式可分为 3 种，即 I、II、III 型。

I、II 型均为角形结构，I 型阀板为中悬式，开启时阀板为垂直，关闭时为水平，结构简单，开启、关闭灵活、方便，而 II 型阀板为“V”型，启动时阀板为 V 形，关闭时阀板为水平，开启、关闭灵活、方便，空气阻力小。

III 型为新的流线型结构，内外空气流动状态最佳，承受风压能力好，结构尺寸小，节省材料，流量系数大，是较理想的结构。

结构形式及外形尺寸如图 1、表一所示。

The DYZT series roof natural Fan is composed of skeleton (thin empty stomach square steel), guard shield made of profiled steel plate, flashing, water fender, drain tank and valve board (glass fiber reinforced plastic or galvanized sheet or aluminum alloy). The Fan is divided into 6 kinds according to the throat opening size, namely the throat opening size is 1,500, 2,000, 2,500, 3,000, 4,000, 5,000mm, may be divided into 3 kinds

according to the structural style, namely I, II, III.

The I and II are an angular structure. I valve board is a center suspended type, as open, the valve board is vertical; as closure, level. The structure is simple, the open and closure are flexible and convenient. But II valve board is "V" style, when start, the valve board is V shape, when closure, the valve board is a level. The open and closure are flexible and convenient, the air drag is small.

The III style is a new streamline structure. Air flows inside and outside are best. The pressure withstanding ability is good, structure small, material little, discharge coefficient big. It is an ideal structure.

The structural and external dimensions are shown at chart 1, table

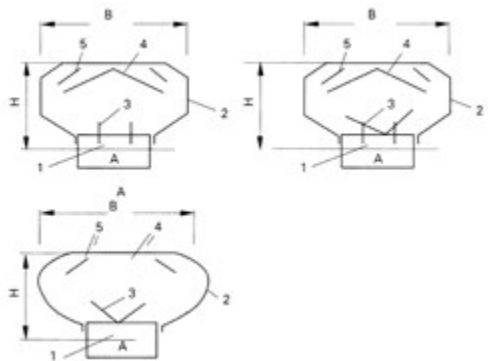


分类

Classification

1. 自然通风器 2. 自然采光通风器

1. Natural ventilator 2. Natural lighting ventilator



1. 喉口
2. 护板 (材质: 彩钢板和 FRP 采光板)
3. 阀板 (材质: 彩钢板和 FRP 采光板)
4. 防雨板 (材质: 彩钢板和 FRP 采光板)
5. 防雨及导流板 (材质: 彩钢板和 FRP 采光板)

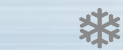
1. Throat
2. Guard board (Material: Color steel plate and FRP color plate)
3. (Material: Color steel plate and FRP lighting plate)
4. plate (Material: Color steel plate and FRP lighting plate)
5. Weatherproof and splitter plate (Material: Color steel plate and FRP lighting plate)

表一 结构形式及外形尺寸表示

List one The expression of structural style and external dimensions

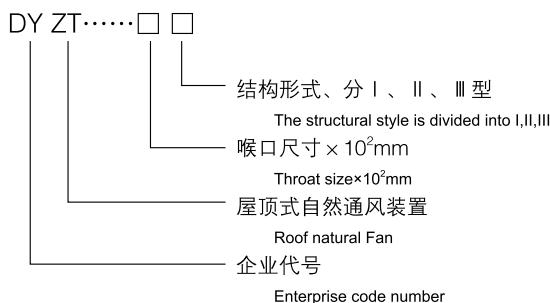
序号 Serial number	型号 Model	喉口尺寸 A (mm) Throat size	A(mm)外形尺寸及重量 External dimension and weight					
			I、II 型 I, II style			III 型 III style		
			B(mm)	H(mm)	重量(kg/m) Weight	B(mm)	H(mm)	重量(kg/m) Weight
1	DYZT-15	1500	3380	2800	275	3300	2000	235
2	DYZT-20	2000	4380	3400	325	4300	2500	270
3	DYZT-25	2500	5380	3900	360	5300	3100	315
4	DYZT-30	3000	6380	4400	395	6300	3600	330
5	DYZT-40	4000	8380	5500	440	8300	4700	380
6	DYZT-50	5000	10380	6000	490	10300	5700	410





型号表示方法

Model expression method



通风装置性能

Fan performance

根据自然通风计算公式，排风量按如下方法计算：

$$G = f \cdot [2gp\phi p(pw - pnp)] \cdot 0.5 \times 3600$$

式中 G- 通风装置的排风量, kg/h

f- 通风装置的喉口面积, m²;

g- 重力加速度, m/s²;

pp- 排风空气容重, kg/m³;

pw- 室外空气容量, kg/m³;

pnp- 室内空气容重, pnp=0.5(pp+pw),kg/m³;

hp- 通风装置顶部距中和界高度, m;

μ 通风装置流量系数。

流量系数, 根据模型试验如下:

对 I 型, μ=0.615, 对 II 型, μ=0.7785,

对 III 型, μ=0.80~0.85

DY ZT 系列屋顶式自然装置排风量估算值

如表二、表三、表四所示。

According to the Natural Ventilation Formula, the exhaust volume should

compute according to the following method:

$$\text{Namely } G = f \cdot \{2gp\phi p(pw - pnp)\}^{0.5} \times 3600$$

G-Fan exhaust volume, kg/h

F-Fan throat area, m²;

G-gravity acceleration, m/S²;

Pp-Exhaust air volumetric weight, kg/m³;

pw-Outdoor air volumetric weight, kg/m³;

Pnp-Indoor air volumetric weight, pnp=0.5(pp+pw), Kg/m³;

hp-the altitude from the top to the neutral lever, m;

μ discharge coefficient of Fan.

Discharge coefficient, Be as follows according to model experiment:

To I, μ=0.615, to II, μ=0.7785,

To III, μ=0.80~0.85

Estimated volume of DY ZT series roof nature installment

Just like the list two, list three and list four.

表二 I 型房屋风式自然装置排风量估算表 (kg/h.m)(=0.615)

Table 2: Exhaust Airflow Estimation for Wind-Driven Natural Ventilation in Type I Houses

型号 Model	hp(m)	10	15	20	25	30	40	50	60
tp-tw=8°C									
DY ZT-15 I		6103	7474	2631	9649	10570	12190	13647	14949
DY ZT-20 I		8137	9966	11508	12866	14093	16248	18195	19932
DY ZT-25 I		10171	12457	14384	16082	17617	20310	22744	24915
DY ZT-30 I		12206	14949	17261	19299	21140	24372	27293	29897
DY ZT-40 I		16274	19932	23015	25732	28187	32497	36391	39863
DY ZT-50 I		20343	24915	28769	32165	35233	40621	45488	49829
tp-tw=10°C									
DY ZT-15 I		6791	8317	9604	10738	11763	13583	15185	16635
DY ZT-20 I		9055	11090	12806	14317	15684	18111	20247	22181
DY ZT-25 I		11319	13862	16007	17897	19605	22638	25309	27726
DY ZT-30 I		13583	16625	19208	21476	23526	271666	30371	33271
DY ZT-40 I		18111	22179	25611	28634	31368	36221	40494	44361
DY ZT-50 I		22638	27724	32014	35793	39209	45276	50618	55451
p-tw=12°C									
DY ZT-15 I		7404	9068	10470	11706	12824	14808	16555	18135
DY ZT-20 I		9872	12091	13961	15609	17098	19744	22074	24181
DY ZT-25 I		12340	15114	17451	19511	21373	24680	27592	30226
DY ZT-30 I		14808	18136	20941	23413	25647	29616	33110	36271
DY ZT-40 I		19744	24182	27921	31217	34196	39488	44147	48361
DY ZT-50 I		24608	30227	34091	39022	42746	49360	55184	60451
tp-tw=15°C									
DY ZT-15 I		8219	10866	11624	12996	14236	16438	18379	20133
DY ZT-20 I		10959	13422	15498	17328	18981	21917	24505	26844
DY ZT-25 I		13699	16777	19373	21660	23727	27397	30632	33554
DY ZT-30 I		16439	20133	23247	25992	28472	32876	36758	40265
DY ZT-40 I		21919	26844	30996	34657	37963	43835	49011	53687
DY ZT-50 I		27398	33554	38745	43321	47453	54793	61263	67109



表三 II 型房屋风式自然装置排风量估算表(kg/h.m)(=0.7785)

Table 3: Exhaust Airflow Estimation for Wind-Driven Natural Ventilation in Type II Houses

型号Model \ hp(m)	10	15	20	25	30	40	50	60
tp-tw=8°C								
DYZT-15 II	7725	9461	10925	12215	13380	15426	17275	18923
DYZT-20 II	10300	12615	14567	16286	17840	20568	23033	25231
DYZT-25 II	12875	15769	18209	20358	22300	25710	28791	31538
DYZT-30 II	15451	18923	21850	24429	26760	30852	34549	37846
DYZT-40 II	20601	25231	29134	32572	35680	41136	46065	50461
DYZT-50 II	25751	31538	36417	40716	44600	51420	57582	63071
tp-tw=10°C								
DYZT-15 II	8597	10528	12157	13593	14890	17194	19222	21058
DYZT-20 II	11463	14038	16210	18124	19853	22925	25630	28077
DYZT-25 II	14328	17547	20262	22654	24817	28657	32037	35097
DYZT-30 II	17194	21057	24315	27185	29780	34388	38445	42116
DYZT-40 II	22925	28076	32420	36247	39707	45851	51260	56155
DYZT-50 II	28657	35095	40525	45309	49633	57313	64074	70194
p-tw=12°C								
DYZT-15 II	9372	11479	13254	14819	16233	18745	20956	22957
DYZT-20 II	12496	15305	17672	19758	21644	24993	27942	30609
DYZT-25 II	15621	19132	22090	24698	27055	31241	34927	38261
DYZT-30 II	18745	22958	26508	29638	32466	37489	41913	45914
DYZT-40 II	24993	30611	35344	39017	43288	49986	55884	61218
DYZT-50 II	31241	38263	44180	49396	54110	62482	69855	76523
tp-tw=15°C								
DYZT-15 II	10405	12743	14714	16451	18021	20808	23265	25485
DYZT-20 II	13873	16990	19618	21935	24028	27744	31020	33980
DYZT-25 II	17341	21238	24523	27419	30035	34680	38775	42075
DYZT-30 II	20809	25485	29427	32903	36042	41616	46530	50970
DYZT-40 II	27746	33980	39427	43870	48055	55485	62040	67960
DYZT-50 II	34682	42475	49046	54838	60069	69360	77550	84950

表四 III 型房屋风式自然装置排风量估算表(kg/h.m)(=0.85)

Table 4: Exhaust Airflow Estimation for Wind-Driven Natural Ventilation in Type III Houses

型号Model \ hp(m)	10	15	20	25	30	40	50	60
tp-tw=8°C								
DYZT-15 III	8435	10330	11929	13337	14609	16843	18861	20041
DYZT-20 III	11246	13774	15905	17782	19479	22457	25148	27500
DYZT-25 III	14058	17217	19881	22228	24348	28071	31435	34456
DYZT-30 III	16870	20661	23857	26673	29218	33686	37722	41322
DYZT-40 III	22493	27548	31809	35564	38957	44914	50296	55096
DYZT-50 III	28116	34435	39762	44455	48697	56143	62870	68870
tp-tw=10°C								
DYZT-15 III	9387	11495	13274	14841	16258	18773	20988	25005
DYZT-20 III	12515	15327	17700	19788	21677	25031	27984	30056
DYZT-25 III	15644	19159	22123	24735	27096	3128	34980	30326
DYZT-30 III	18773	22991	26548	29682	32515	37546	41976	45046
DYZT-40 III	25031	30654	35397	39576	43353	50062	55967	61312
DYZT-50 III	31289	38318	44247	49470	54192	62577	69960	70063
p-tw=12°C								
DYZT-15 III	10233	12533	14471	16180	17724	20466	22881	26003
DYZT-20 III	13644	16711	19295	21573	23632	27288	30508	33429
DYZT-25 III	17055	20889	24119	26966	29540	34111	38135	41775
DYZT-30 III	20466	25067	28943	32360	35448	40933	45762	50136
DYZT-40 III	27288	33422	38590	43146	47263	54577	61016	60841
DYZT-50 III	34111	41778	48238	53933	59079	68221	76271	83650
tp-tw=15°C								
DYZT-15 III	11360	13913	16065	17962	19676	22719	25402	27602
DYZT-20 III	15147	18550	21420	23950	26234	30292	33869	37106
DYZT-25 III	18934	23188	26775	29937	32793	37865	42336	46576
DYZT-30 III	22721	27826	32730	35924	39352	45483	50884	55061
DYZT-40 III	30244	37101	42840	47899	52469	60585	67738	74265
DYZT-50 III	37868	46376	53550	59874	65586	75731	84673	92763



1、屋顶式自然通风装置选用方法如下：

1.The selection method of roof natural Fan is as follows:

首先根据进排风温差查表一，表二，表三，选择喉口尺寸及型号，又根据选择的通风装置每米排风量，和计算的总通风量，确定通风装置的总长度，之后按照自然通风计算方法核算选定的通风装置的排风面积，是否满足其自然通风的要求，如不满足重新进行选择，以满足自然通风的要求为止。

First according to the temperature difference between inlet and outlet,choice throat size and model,also according to the exhaust volume per meter of the selected Fan and computation total ventilation volume,determine the total length of the Fan.Then calculate the selected exhaust area according to the natural ventilation computational method,and whether satisfies its natural ventilation request.If not,do it again.

2、通风装置安装方法：

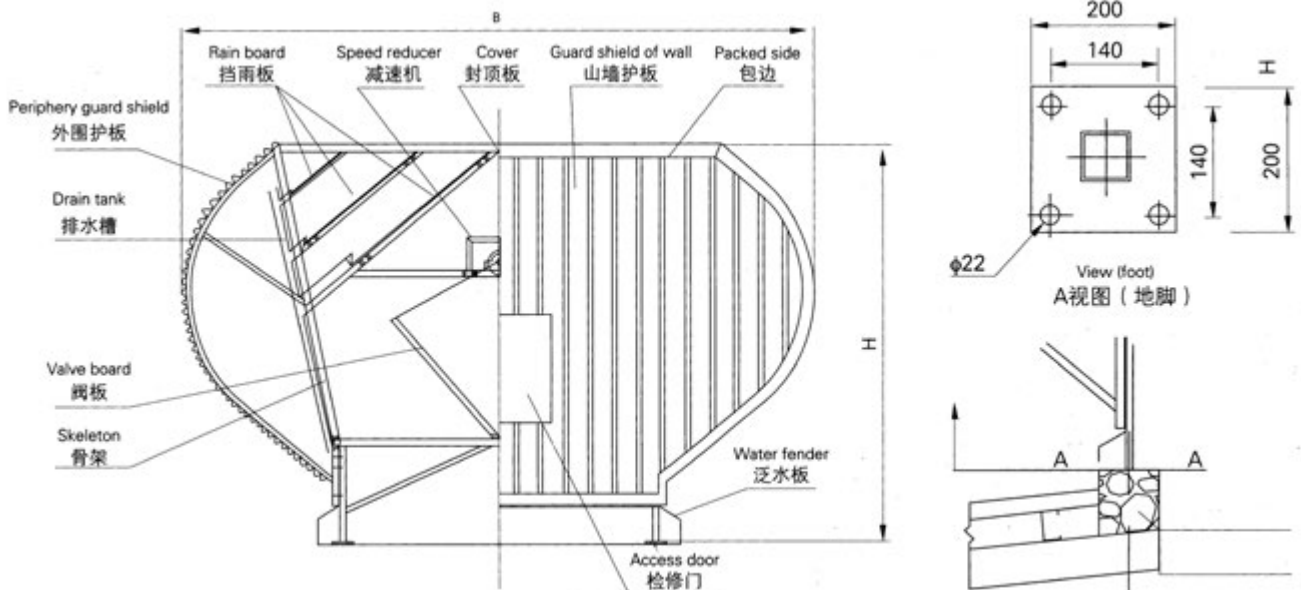
2.The installation method of Fan:

屋顶式自然通风装置，可以单排布置，亦可以双排或多排布置，可布置在双坡屋面的屋脊处，亦可布置在斜屋面上。通风装置和屋面体系的连接有多种方法，根据工程实际情况确定合适的连接方法。

The roof natural Fan may be arranged in a single line,also two or multi-lines.It may arrange at the roofing ridge in the double slope,also on the slanting roofing. The connection of Fan and roofing system has many kinds of methods,according to project actual situation determine appropriate connection method.

3、通风装置的安装方式及泛水方法

3.The installation and water fender method



4、屋顶通风器定货须知：

4.Roof Fan ordering notice:

- (1) 订货时，请注明屋顶通风器的型号、规格、总长度、风荷载及颜色等。
- (2) 屋顶通风器不包括屋面钢檩条、屋面支座，若用户需要我厂配做时，请在订货时说明。
- (3) 我公司也可根据用户需要，提供非标准规格的屋顶通风器。
- (4) 订货时请注明护板、阀板、防雨板、防雨及导流板的材质。

- (1)When ordering,please indicate the model,specification,total length,wind load,color and so on.
- (2)The roof Fan does not include roofing steel purlin,roofing support.If the user needs,my factory may match them,please explain when ordering.
- (3)Our company also may provide the non-standard specification roof Fan according to the user need.
- (4)Please let us know which kind material of guard, valve, weatherproof or weatherproof and splitter plates.

YTFT玻璃钢负压风机整机

YTFT FRP negative pressure fan

YTFT 玻璃钢负压风机整机采用 CAD/CAM 设计，机壳和叶轮采用 SMC 工艺一次模压成型，电机采用专业电机厂家生产的风机专用电机。整机具有耐腐蚀，风量大，低耗能，运行平稳，使用寿命长，效率高等特点，适用于高温或有异味的车间、园艺温室大棚通风降温、畜牧养殖场降温、仓储物流等场所的通风换气。

百叶窗随风机的启停实现自然开启和关闭，既能防尘，防水，又美观大方；既可吹风，也可抽风，是现代化车间降温通风的最佳选择。

YTFT FRP negative pressure fan is designed by CAD/CAM, and the shell and impeller are molded by SMC process. The motor adopts special motor for fan produced by professional motor manufacturer. The whole unit is characterized by corrosion resistance, large air volume, low energy consumption, stable operation, long service life and high efficiency, which is widely used for the cooling and ventilation of high-temperature or odorous workshops, greenhouses in the horticulture industry, breeding farm in the husbandry industry, and warehouses. Shutters can be opened and closed naturally with the start and stop of the fan, which is dustproof, waterproof and beautiful. It is the best choice for cooling and ventilation of modern workshops.



型号分类

Type classification

YTFT 玻璃钢负压风机主要型号有 YTFT-760, YTFT-860, YTFT-1060, YTFT-1260, YTFT-1460 五种型号。配用电机均为三相。

The main five models of YTFT FRP negative pressure fan are YTFT-760, YTFT-860, YTFT-1060, YTFT-1260, YTFT-1460. Supporting motors are all three-phase.

YTFT玻璃钢负压风机性能安装外形尺寸表

Performance and Installation Physical Dimensions of YTFT FRP Negative Pressure Fan

产品型号 Product Model	安装尺寸 (mm) Installation Dimension	功率(kW) Power	风量(m ³ /h) Air Volume	叶轮直径 Impeller Diameter	转速 (r/min) Speed
YTFT-760	760*760*480	0.37	12000	660	700
YTFT-860	860*860*480	0.37	18000	700	680
YTFT-1060	1060*1060*520	0.55	35000	900	560
YTFT-1260	1260*1260*560	0.75	38000	1100	560
YTFT-1460	1380*1380*580	1.1	45000	1260	540

FZ₃₅⁴⁰-11 型纺织轴流通风机

FZ₃₅⁴⁰-11 axial fan in textile mill

FZ₃₅⁴⁰-11 型纺织轴流通风机,是在吸取国外产品技术的基础上根据我国纺织工厂实用情况,作了一些合理的改进,部件采用玻璃钢材料制造,减轻了重量,增强了防腐能力。配用多速电动机进行变工况调速,本机主要用于纺织厂空调室,亦可作通风换气之用,FZ40-11 型风机的机号有№8、9、10、11 鄂2、12 鄂5、14、16 七种。FZ35-11 型风机的机号有 18、20、22 鄂4 三种,不同机号的叶数有 8、10 二种,叶片可安装成:8°、11°、14°、17°、20° 等 5 种角度。每一机号由于叶片数目的多少,安装角度的大小,转速的高低及静叶开度的大小等不同,故其风压、风量及消耗功率亦随之不同,因此本风机特别适用于纺织厂空调室。当季节性气温变化时可采用多速电机调节工况。而昼夜气温变化可采用静叶可调装置改变工况,这对节省电能是大有收效的。

本风机结构简单,安装维修方便,为使气体能均匀地流入和输出风机,进出口处分别装有集风器、调节门、扩散筒。风机装配后,皆经平衡校正,因此运转平稳可靠,性能曲线平稳,非稳定区间小,流量调节范围大,噪声较低。

本风机主要由叶轮、机壳、集风器、静叶可调机构、扩散筒和电机、支架等组成。№14 及以下机号不带静叶可调机构,扩散筒单独选用。

叶轮部是由叶片、轮毂、轴套、瓦块、盖板、罩壳等组成。叶片为机翼型扭曲叶片,叶片固定在盖板上并由两半瓦块联接,只要松动瓦块上两螺钉,叶片角度即可根据用户需要进行调节,轴套上开有槽和螺钉孔,因此,叶轮的拆卸与安装非常方便,罩壳由螺钉固定在瓦块上便利罩壳装卸方便,叶轮和电动机直联。

静叶可调机构由 23 个叶片组成,轴向安装在主机风筒前,其调节范围 0°(全开)到 40°,调节叶片改变角度,可达到需要的压力和流量。

本系列风机安装方式可分为立式和卧式,其中卧式安装又可根据用户的不同需要,作成墙式安装或落地式安装,风机的使用条件还可分为压入式使用或吸入式使用。

为使本系列风机的全压效率“ η ”更接近用户的使用情况,因此本系列风机的动压值“Pd”采用“C3”进行计算(用附图),如果采用目前常规方法取“C2”值进行计算,则全压效率“ η ”将比表列数值更高。

动压值“Pd”的计算公式如下: $Pd=0.051ra\left(\frac{Q}{A}\right)^2$

其中:ra:- 当时当地的气体比重 kg/m³

Q:- 流量 m³/s

A:- 风机出口全面积 (m²)

FZ₃₅⁴⁰-11 axial fan in textile mill has carried on a lot of reasonable improvements on basis of absorbing the advanced oversea technologies and actual conditions of textile mill in our country. Some parts are made of glass fiber reinforced plastics so as to lower the weight and enhance the anti-corrosive. Has matched multi-speed motor to adjust according to work condition. It mainly serves in the mill air conditioning room, can also takes a breath certainly. The number of FZ40-11 series of fan has №8,9,10,11,2,12,5,14,16. The number of FZ35-11 series of fan has 18,20,22,4. The leaf number of different serial number has 2 kinds(8,10). The leaf angles may be installed in 5 kinds of way such as 8°,11°,14°,17°,20°. Each serial number fan has different wind pressure, volume, and consumed power for every kind of fan has different leaf numbers, installation angles and speeds. This fan is especially suitable for air conditioning room in textile mill. When seasonal temperature change, may use the multi-speed motor to adjust operating mode.

This fan structure is simple, installment convenient. The concentrator, adjustment gate and proliferation tube are fixed at the inlet and the outlet. After the fan is assembled, all has to pass through the balance adjustment, so the movement is steady and reliable, the performance curve is steady, the unstable sector is slight, the flow control scope is big, the noise is low.

This fan is mainly composed of impeller, cabinet, concentrator, static leaf adjustment organization, proliferation tube, motor, support and so on. №14 and following serial number do not have static leaf adjustment organization, the proliferation tube may be selected alone. The impeller department is composed of leaf blade, wheel hub, axle sleeve, tile block, lap, lagging and so on. The leaf blade is wing distortion, and fixed on the lap and joint by two half tile. So long as loosening two bolts on the tile block, the leaf blade angle may be adjusted according to the user's need. There are slot and spiral nail hole on the axle sleeve, therefore, impeller may be very easy to disassembly or install. The lagging is fixed on the tile by screws. The impeller and the motor are connected straightly.

Static leaf adjustment organization is composed of 23 leaf blades, and fixed in front of the main engine wind tunnel. Its adjustment scope is 0°(all opens) to 40°, adjusting the leaf angle, may achieve the needs of pressure and current capacity.

The installation of this series fan is divided into the vertical and the horizontal type. The horizontal-type may be installed on wall or on floor according to user's different need. The fan exploitation conditions also may be divided into press-in type or inspiration one.

The movement pressure "Pd" should use "C3" as the computation (with attached figure) in order to let the total pressure efficiency " η " approach the user's service condition. If uses the present convention method to take "C2" value to computation, then the total pressure efficiency " η " will be higher than the list.

The formula of movement pressure "Pd" is as follows: $Pd=0.051ra\left(\frac{Q}{A}\right)^2$

Among: Ra:- The gas density at that time and place kg/m³

Q:- Current capacity m³/s

A:- The total area (m²) of fan outlet

本系列风机在安装前应注意检查叶轮及各连接部位有无松动现象,叶轮的旋转方向是否与规定相符,叶片与风筒间隙应均匀。安装完毕后应进行试转,看是否运转灵活,有无碰撞现象,在开机前先开启调节门,以便启动灵活,减轻电机负荷,试转无异异常现象后方可正式运转。如需拆调叶轮时应对应号入座,不得随意安装,以防破坏平衡。

注:配用电机为三相。

This series fan must be checked whether the impeller and each connection spot are loosen, whether the rotation direction of the impeller is the same with the stipulation and whether the gap between leaf and tunnel is even. After the installment, should have a try, and look whether the movement is flexible, whether there is collide phenomenon. Before start, should open the adjustment gate first in order to start nimbly and reduce the motor load. If the adjusting of impeller is necessary, should take a seat according to ticket number. Do not install as one pleases, in case the balance is broken.

Note: The matched motor is three-phases.



FZ40-11轴流风机性能选用表

Performance table of the FZ40-11 axial Fan

机号 Serial number	转速 转/分 Speed (Round/ Minute)	叶片 Leaf		全压(帕斯卡) Total pressure(Pascal)	流量(米 ³ /时) Current capacity(m ³ /h)	配用电机 Matched motor	
		数量 Quantity	角度 Angle			型号 Model	功率(千瓦) Power (kilowatt)
8	1500	10	8°	147~294	15984~11196	YDT112M-4/6	3/1.1
			11°	177~319	19008~14004		
			14°	177~348	22392~15984		
			17°	201~378	24984~18000		
	1000		20°	109~194	18108~12096	YDT112M-4/6	4.5/1.5
			8°	186~373	24984~18000	YDT132S-4/6	3/1.1
			11°	196~432	30492~20016		
			14°	220~446	35496~24984		
17°	245~505	39996~24987					
9	1500	20°	309~544	43992~28008	YDT112M-4/6	4.5/1.5	
		8°	82~166	16812~12096	YDT132S-4/6	3/1.1	
		11°	87~191	20412~13392	YDT132S-4/6	4.5/1.5	
		14°	97~198	23796~16812	YDT132M-4/6	6/2	
	17°	109~225	26784~16812				
	1000	20°	137~241	29484~18000	YDT112M-4/6	9/3	
		8°	232~471	35496~24984	YDT132S-4/6	3/1.1	
		11°	255~539	42984~28008	YDT160M-4/6	4.5/1.5	
14°		275~588	50004~31500	YDT132M-4/6	6/2		
17°	319~637	56016~35196					
20°	253~686	63000~39996					
8°	103~209	23796~16812	YDT132M-4/6			6/2	
10	1500	11°	113~239	28800~18792	YDT160M-4/6	9/3	
		14°	122~262	33480~21096			
		17°	141~283	37512~23796			
		20°	157~305	42192~26784			
	1000	8°	134~268	32004~23004	YDT132M-4/6	6/2	
		11°	158~287	38016~29016	YDT160M-4/6	9/3	
		14°	153~317	45000~32004			
		17°	181~338	51012~36000			
20°	221~370	56016~39996	YDT160L-4/6	12/4			
11.2	1000	8°	76~151	24012~17316	YDT132M-6/8	3.7/1.8	
		11°	84~162	28512~21816			
		14°	89~178	33804~24012			
		17°	102~190	38304~27000			
	750	20°	125~208	42012~29988	YDT160L-6/8	8/3.7	
		8°	208~422	63000~45000	YDT132M-6/8	3.7/1.8	
		11°	245~456	75492~56016	YDT160M-6/8	6/2.6	
		14°	245~495	90000~63000			
17°	284~528	100008~70992					
20°	319~593	110016~75492	YDT160L-6/8	8/3.7			
14	1000	8°	117~237	47304~33804	YDT180M-6/8	10/4.5	
		11°	138~257	56592~42012			
		14°	138~279	67500~47268			
		17°	160~297	74988~53316			
	750	20°	179~333	82512~56592	YDT200L ₁ -6/8	17/7.5	
		8°	265~525	90000~63000	YDT180M-6/8	10/4.5	
		11°	309~598	105984~70992			
		14°	309~667	124992~79992			
17°	368~711	140004~90000	YDT200L ₁ -6/8	17/7.5			
16	1000	20°	471~736	150012~111996	YDT200L ₁ -6/8	17/7.5	
		8°	149~295	69500~47268	YDT200L ₂ -6/8	20/10	
		11°	174~336	79488~53316	YDT225M-6/8	25/12	
		14°	174~376	93816~60012	YDT225M-6/8	30/15	
	750	17°	207~400	105012~67500	YDT280S-6/8	37/17	
		20°	265~414	112500~83988	YDT200L ₁ -6/8	17/7.5	
		20°	245~436	27000~18000	YDT200L ₂ -6/8	20/10	
		8°	66~130	1069~7488	YDT225M ₂ -6/8	25/12	
	11°	78~141	12708~9396	YDT250M-6/8	30/15		
	14°	78~155	15012~10692	YDT280S-6/8	37/17		
	17°	89~166	16812~12096	YDT200L ₂ -6/8	20/10		



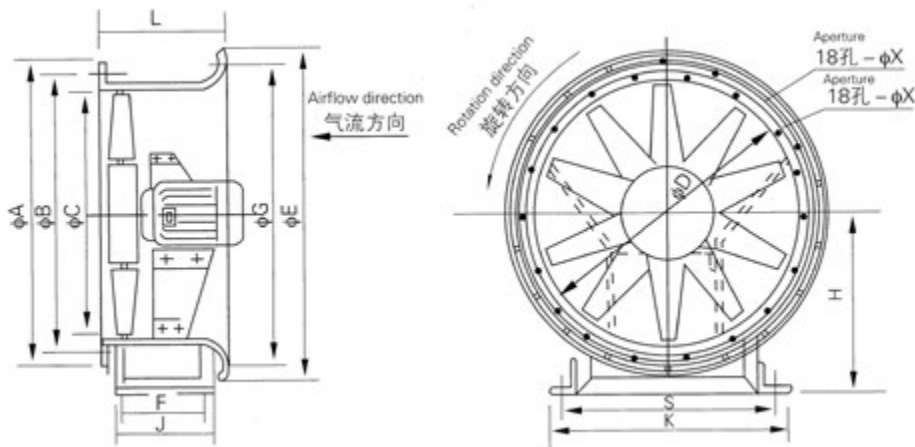
FZ35-11轴流通风机性能选用表

Performance table of the FZ35-11 axial Fan

机号 Serial number	转速 转/分 Speed (Round/ Minute)	叶片 Leaf		全压(帕斯卡) Total pressure(Pascal)	流量(米 ³ /时) Current capacity(m ³ /h)	配用电机 Matched motor	
		数量 Quantity	角度 Angle			型号 Model	功率(千瓦) Power (kilowatt)
18	1000	8	8°	360~640	164988~111996	YDT250M-6/8	30/15
			11°	400~675	190008~129996	YDT280S-6/8	37/17
			14°	440~690	212004~159984	YDT280M ₁ -6/8	45/25
			17°	475~740	236988~169992	YDT280M ₂ -6/8	55/27
			20°	580~755	249984~190008	Y315S-6	75
	750		8°	202~360	123804~97488	YDT250M-6/8	30/15
			11°	226~380	142488~97488	YDT280S-6/8	37/17
			14°	249~338	159012~119988	YDT280M ₁ -6/8	45/25
			17°	267~417	177804~128016	YDT280M ₂ -6/8	55/27
			20°	326~425	187992~142480		
20	1000	8°	450~665	200016~140004	YDT280M ₁ -6/8	45/25	
		11°	385~685	249984~180000	YDT280M ₂ -6/8	55/27	
		14°	450~725	280008~200016	Y315S-6	75	
		17°	475~750	315000~223992	YDT315M ₁ -6	90	
		20°	515~790	354996~249984	YDT280M ₁ -6/8	45/25	
	750	8°	253~374	150012~105012	YDT280M ₁ -6/8	45/25	
		11°	217~385	187488~135000	YDT280M ₂ -6/8	55/27	
		14°	253~408	209988~150012			
		17°	267~422	236304~168012	Y250M-8	30	
		20°	289~444	276292~187488	Y280S-8	37	
22.4	1000	8°	412~627	270000~205000	JDO ₂ F92-8/6	27/55	
		11°	382~686	330000~230000	Y315S-6	75	
		14°	451~706	390000~280000	Y315M ₂ -6	90	
		17°	451~794	500000~355000	Y315M ₂ -6	110	
		20°	515~794	500000~355000	Y315M ₂ -6	110	
	750	8°	231~353	202500~154000	YDO ₂ F92-8/6	27/55	
		11°	215~386	247500~172500			
		14°	254~397	292500~310000	Y280S-8	37	
		17°	254~418	330000~232500	Y280M-8	45	
		20°	254~447	375000~266000	Y315S-8	55	
22.4	1000	8°	431~764	280000~190000	JDO2F9 ₂ -8/6	27/55	
		11°	470~804	325000~224000	Y315M ₁ -6	90	
		14°	500~843	380000~270000	Y315M ₂ -6	110	
		17°	578~892	425000~310000	Y315M ₃ -6	132	
		20°	637~911	460000~360000			
	750	8°	242~430	210000~142500	JDO ₂ F92-8/6	27/55	
		11°	265~452	244000~168000	Y280M-8	45	
		14°	281~474	285000~202500			
		17°	325~502	318800~232500	Y315S-8	55	
		20°	358~513	345000~270000			

FZ40-11NO8~11.2 外形图

Outline drawing of FZ40-11NO18~11.2





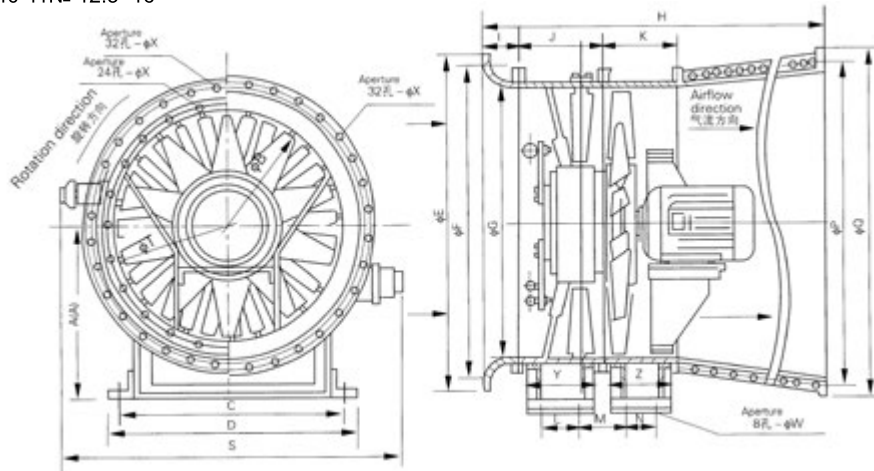
FZ40-11轴流通风机外型及安装尺寸图表

Outlook and installation size of FZ40-11 axial fan

机号№ Serial number	A	B	C	D	E	G	K	S	J	F	H	X	L
8	890	845	794	800	1130	1085	750	680	350	300	600	14.5	400
9	990	945	894	900	1230	1185	820	750	350	300	650	14.5	400
10	1090	1045	994	1000	1340	1295	910	840	350	300	710	14.5	400
11.2	1220	1170	1114	1120	1500	1450	1025	950	450	400	790	14.5	400

FZ40-11No12.5~16外形图

Outline drawing of FZ40-11No 12.5~16



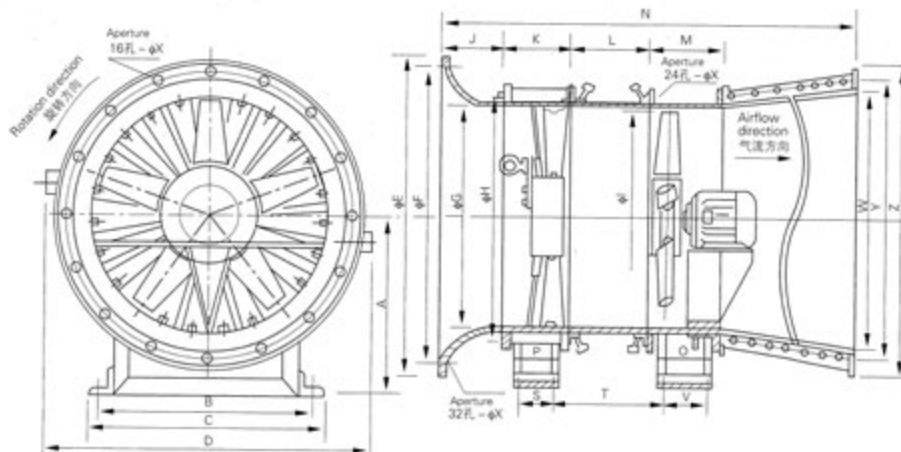
FZ40-11轴流通风机外型及安装尺寸图表

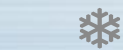
Outlook and installation size of FZ40-11 axial fan

机号№ Serial number	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	T	X	Y	Z	W	S
12.5	975 (850)	1238	1220	1300	1630	1580	1250	2280	205	500	325	375	115	220	1700	1750	1300	14.5	465	295	18	1890
14	1000 (950)	1388	1270	1350	1800	1740	1400	2475	215	500	360	375	117	251	1870	1920	1460	14.5	465	325	20	2050
16	1150 (1000)	1580	1280	1360	2000	1940	1600	2725	220	500	405	375	125	280	2060	2120	1660	14.5	465	370	20	2270

FZ40-11NO18~22.4外形图

Outline drawing of FZ40-11NO18~22.4





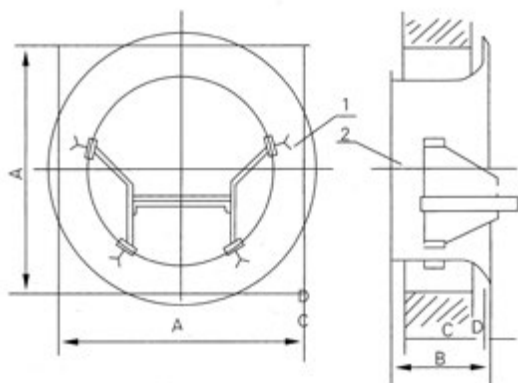
FZ35-11轴流通风机外型及安装尺寸图表

Outlook and installation size of FZ35-11 axial fan

机号No Serial number	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	S	T	V	W	X	Y	S
18	1300	1400	1500	2485	2400	2330	1800	1880	1788	500	600	450	740	4100	465	700	375	632.5	600	2240	18.5	2324	2400
20	1450	1600	1700	2700	2650	2590	2000	2070	1988	540	600	450	744	4349	465	700	375	634.5	600	2460	18.5	2544	2624
22.4	1600	1700	1800	2950	3000	2900	2240	2320	2228	600	600	450	750	4640	465	700	375	637.5	600	2800	18.5	2884	2960

FZ40-11 No8~16轴流通风机墙式安装示意图

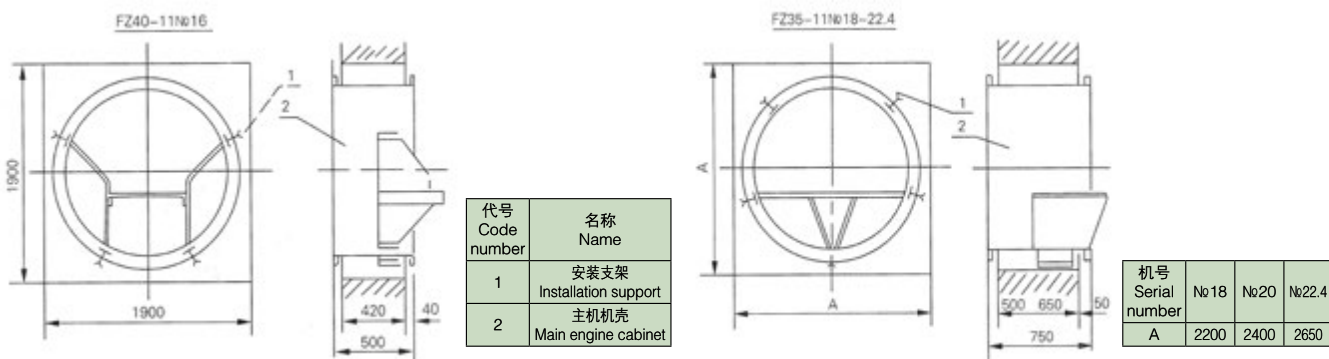
Schematic drawing of installation on wall of FZ40-11 NO8-16 axial fan



机号No Serial number	A	B	C	D
No8	1060	400	300~340	25
No9	1160	400	300~340	25
No10	1260	400	300~340	25
No11.2	1420	500	360~420	40
No12.5	1550	500	360~420	40
No14	1700	500	360~420	40
No16	1900	500	420~480	40

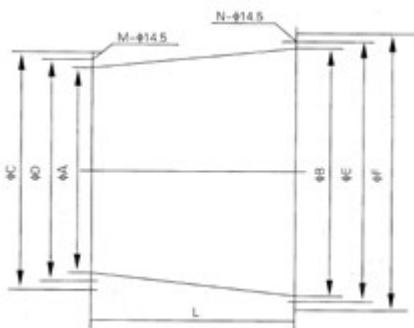
FZ⁴⁰₃₅-11(S) No16~22.4轴流通风机墙式安装示意图40

Schematic drawing of installation on wall of FZ⁴⁰₃₅-11(S) NO16-22.4 axial fan



扩散筒尺寸

Size of proliferation tube



机号 Serial number	A	B	C	D	E	F	L	M	N
No8	800	1000	890	845	1045	1090	800	18	18
No9	900	1100	990	945	1145	1190	900	18	18
No10	1000	1200	1090	1045	1245	1290	1000	18	20
No11.2	1120	1420	1220	1170	1480	1540	1120	20	24
No12.5	1250	1550	1350	1300	1640	1670	1250	20	24
No14	1400	1800	1520	1460	1880	1930	1400	24	32
No16	1600	2000	1720	1660	2080	2160	1600	24	32
No18	1800	2240	1960	1880	2330	2400	1800	24	32
No20	2000	2500	2160	2080	2590	2680	2000	24	32
No22.4	2240	2800	2400	2320	2890	2980	2240	24	32



YTGS型轴流暖风机

The YTGS axial flow warm air blower

产品说明

Product introduction

YTGS 型热水暖风机是以热水为热媒，用来加热空气，供厂矿企业、生产车间及其它大型建筑物中的热风采暖。该型暖风机是经过热工性能试验的性能稳定可靠的产品。

The GS hot-water warm air blower takes the hot water as heat carrier to heat up the air, for hot blast heating in factory and mining enterprise, production workshop and other large-scale building. This warm air blower is a stable and reliable performance product passed through the hot working performance test.



YTGS型轴流暖风机技术参数

Technology parameter of YTGS axial flow warm air blower

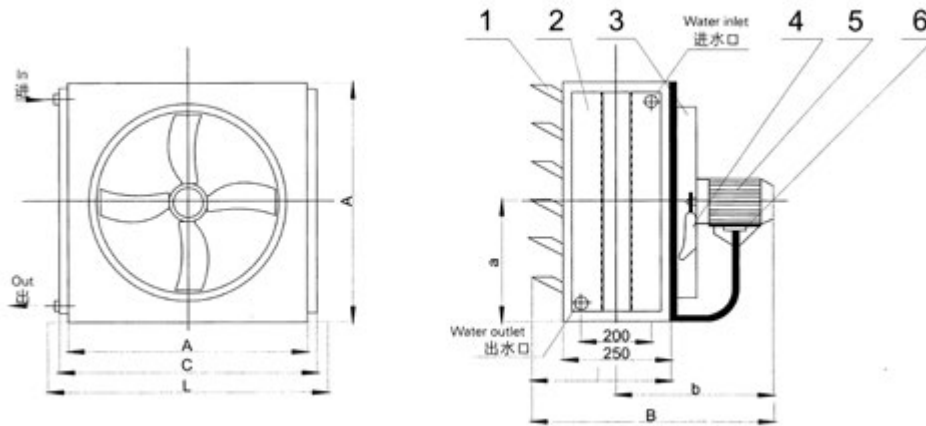
型号规格 Model specification	热工性能 Thermo-performance						风量 (m³/h) Volume	风速 (m/s) Speed	电机功 (kw) Motor power	重量 (kg) Weight
	进风温度 (°C) Intake temperature	进水温度 (°C) Inlet water temperature	回水温度 (°C) Return water temperature	供热量 (kw) Heat capacity	出风温度 (°C) Outlet temperature	耗水量 (kg/h) Water consumption				
4GS	10	80	67.5	15.2	44.6	1050	2000	2.3	0.25	62
		90	75.6	17.7	50.2	1050				
	15	80	68.5	14.1	46.9	1050				
		90	77.0	15.9	51.2	1050				
5GS	10	80	62.5	29.0	40.1	1450	3000	2.3	0.37	79
		90	70.5	32.9	44.1	1450				
		110	78.5	40.8	52.2	1100				
		130	91.5	49.3	61	1100				
	15	80	64.0	27.0	43	1450				
		90	71.7	30.7	46.9	1450				
		110	79.8	38.7	55	1100				
		130	93.0	47.4	64	1100				
7GS	10	80	53.2	52.4	39.2	1860	6600	3.0	0.75	102
		90	57.7	60.2	45.8	1520				
		110	69.5	66.7	46.7	1520				
		130	65.6	75.7	45.7	995				
	15	80	55.5	68.1	41.8	1860				
		90	62.3	71.5	45.7	1520				
		110	71.5	72.0	49.9	1520				
		130	68.4	82.4	50.9	995				
8GS	10	80	52.5	100.1	33.5	2250	8500	2.6	1.1	160
		90	58.5	110.7	42.6	2250				
		110	61.0	67.0	49.5	2000				
		130	71.0	78.0	54	1610				
	15	80	54.4	95.5	41.5	2250				
		90	60.3	106.0	46	2250				
		110	69.0	57.1	52.5	2000				
		130	73.5	69.9	57	1610				





外形尺寸

External dimensions



1- 百叶窗 2- 热交换器 3- 集风器 4- 叶轮 5- 电动机 6- 电机支架
1. Shutters 2. Heat interchanger 3. Wind collector 4. Impeller 5. Motor 6. Motor support

配用通风机型号 Matched ventilator model		03-11z №4	03-11x №5	03-11x №7	03-11x №8
主要外形尺寸 (mm) Main external dimensions	A	500	670	840	1000
	B	607	623	738	769
	C	498	668	838	998
	a	250	335	420	500
	b	413	413	518	544
	L	596	766	936	1096
	I	337	350	360	367
	G	410	510	710	810
重量 (kg) Weight		62	79	102	160

暖风机的安装、使用、维护说明

Installment use, maintenance instruction of warm air blower

- 1、安装
 - a、暖风机的进回水管上应设截止阀。
 - b、若暖风机的进风口直接与室外相通，应在室外进风口设闭塞装置，以防不用时，散热管被冻坏。
 - c、暖风机停用时，一定要将其中的水放干净。
 - 2、使用
 - a、暖风机运转前，必须排净管路系统及散热管中的冷空气。
 - b、暖风机的热风温度一般应保持在 85℃以上，最低不能低于 80℃。其流通水量必须使散热排管中的水流速度大于 0.2m / s，方能使用。
 - 3、维护
 - a、应定期用压缩空气和水冲洗暖风机，工作 2~3 年后，应用化学方法，除去排管中的水垢。
 - b、热水应经过软化处理，以减少水垢的产生。
 - c、暖风机长期不用时，管路系统内应充满水，以减少腐蚀。
-
- 1.Installment
 - a、 The cut-off valve should be installed in the intake and return pipe of the warm air blower.
 - b、 If the intake of warm air blower interlinks with outdoor directly, should fit the blocking device at the intake in case the heat pipe were frozen as no using.
 - c、 The water must be drain off when no using.
 - 2.Use
 - a、 Before the warm air blower turned on, must drain off all the cold air in the circuitry and heat pipe.
 - b、 The hot-blast temperature of warm air blower should be above 85 °C, cannot lower than 80 °C at least. Its circulation water velocity must be bigger than 0.2m/S.
 - 3.Maintenance
 - a、 Flush the warm air blower with compressed air or water. After 2~3 year work, use chemical to clean the drain pipe.
 - b、 The hot water should be softened in order to reduce the scale production.
 - c、 The circuitry of warm air blower should be full of water when no use for a long time to reduce the corrosion.



BUILD REPUTATION ON PROJECTS

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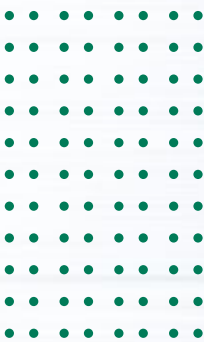
If we strive to meet the demands of the clients
continue to produce more products with high quality
We will nourish and set up a steadfast client group
to realise the stable and steadfast expansion of the sales net

优良的品质和周到的服务，亚太集团取得了骄人的业绩。亚太洁净技术工程接连获得了北京小汤山医院、武汉火神山医院、武汉雷神山医院等近百家医院的青睐，以其洁净技术的杰出性能和净化实力，获得市场信任，树立用户口碑。

With excellent quality and considerate service, Yatai Group has made remarkable achievements. Its purification technology projects are successively favored by Xiaotangshan hospital in Beijing, Huoshenshan hospital and Leishenshan hospital in Wuhan. The outstanding performance of clean technology and purification strength have gained market trust for Yatai Group and established its reputation among users.



样本名称：通风机系列产品 样本序号：SDYT-YB-C1 印刷时间：2026年02月(1000) 开本：1194-889竖16开



www.yatai.cc



地址：德州市大学东路
电话：(0534) 2551888 传真：(0534) 2551887
电子信箱：yatai@yatai.cc
Add:East of University Road,Dezhou City
Tel: (0534) 2551888 Fax: (0534) 2551887
Http://www.yatai.cc E-mail:yatai@yatai.cc

亚太集团各办事处联系方式：How to contact the branches of Yatai Group:

北京办事处 电话：(010)51908328 传真：(010)51908329 Beijing Office Tel:(010)50918328 Fax:(010)50918329	天津办事处 电话：(022)28350313 传真：(022)28350323 Tianjin Office Tel:(022)28350313 Fax:(022)28350323	山西办事处 电话：(0351)3377255 传真：(0351)3377256 Shanxi Office Tel:(0351)3377255 Fax:(0351)3377256	陕西办事处 电话：(029)87998107 传真：(029)87998105 Shanxi Office Tel:(029)87998107 Fax:(029)87998105	内蒙古办事处 电话：(0471)6914102 传真：(0471)6914103 Neimenggu Office Tel:(0471)6914102 Fax:(0471)6914103	河南办事处 电话：(0371)66205099 传真：(0371)66205228 Henan office Tel:(0371)66205099 Fax:(0371)66205228	辽宁办事处 电话：(024)31963712 传真：(024)31963711 Liaoning Office Tel:(024)31963712 Fax:(024)31963711
青岛办事处 电话：(0532)55669351 传真：(0532)55669350 Qingdao Office Tel:(0532)55669351 Fax:(0532)55669350	安徽办事处 电话：(0551)64274878 传真：(0551)64274868 Anhui Office Tel:(0551)64274878 Fax:(0551)64274868	四川办事处 电话：(028)83317691 传真：(028)83317692 Sichuan Office Tel:(028)83317691 Fax:(028)83317692	甘肃办事处 电话：(0931)8426317 传真：(0931)8426357 Gansu Office Tel:(0931)8426317 Fax:(0931)8426357	吉林办事处 电话：(0431)81232178 传真：(0431)81232178 Jilin Office Tel:(0431)81232178 Fax:(0431)81232178	徐州办事处 电话：(0516)83061415 传真：(0516)83061462 Xuzhou office Tel:(0516)83061415 Fax:(0516)83061462	黑龙江办事处 电话：(0451)51757348 传真：(0451)51754348 Heilongjiang office Tel:(0451)51757348 Fax:(0451)51754348
宁夏办事处 电话：(0951)7659633 传真：(0951)7659633 Ningxia Office Tel:(0951)7659633 Fax:(0951)7659633	新疆办事处 电话：(0991)6634488 传真：(0991)6628805 Xinjiang Office Tel:(0991)6634488 Fax:(0991)6628805	雄安新区办事处 电话：(0312)5621156 传真：(0312)5621157 Xiongan New Area Office Tel:(0312)5621156 Fax:(0312)5621157	湖北办事处 电话：(027)84638881 传真：(027)84638882 Hubei Office Tel:(027)84638881 Fax:(027)84638882			