

## DTF系列地铁隧道轴流风机

**DTF**

系列地铁隧道轴流风机

地址 (Add) : 浙江省绍兴市上虞区章镇工业园区  
内销热线 (Tel) : 0575-82719999 82718888  
82034999

传真 (Fax) : 0575-82719706 82034555

网址 (Http) : //www.jindunfan.com

邮箱 (E-mail) : jindun@zjjd.com.cn

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海外代表办事处:

Overseas Representative Office

SSF国际商贸私人有限公司

SSF International Trade Pte.Ltd.

Tel: ( 65 ) 6754 5123 / 6754 0200

Fax: ( 65 ) 6754 6263

E-mail:ssfengrg@singnet.com.sg



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## CATALOGUE

浙江金盾风机装备有限公司特此证明，此处所示 DTF(R) 和 DTF 轴流风机型号获得了加盖 AMCA 印章的授权。所示额定值系根据 AMCA 出版物 211 和 AMCA 出版物 3 1 1 所进行测试和程序确定，并符合 AMCA 认证额定值计划的要求。



Zhejiang Jindun Fans Equipment Co., Ltd. certifies that the DTF(R) and DTF vane axial fan shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of AMCA Certified Ratings Program.

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DTF 系列地铁隧道轴流式通风机

DTF SERIES VANE AXIAL FAN FOR METRO AND TUNNEL



DTF 系列轴流风机类别、形式说明

Classes and Type Description for DTF(R)-(H/S/V)Series Vane Axial Fan

(一)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

(二) DTF 系列轴流风机基本形式

名 称	DTF(R)-(H)型	DTF(R)-(S)型	DTF(R)-(V)型
机 号	10 ~ 22#	8 ~ 20#	8 ~ 22#
叶 片 角 度	固定叶角 静态可调叶角	固定叶角 静态可调叶角	固定叶角 动态可调叶角
最高气体输送温度 及连续运行时间	300℃60分钟 180℃大于2小时	300℃60分钟 180℃大于2小时	≤45℃
系 统 管 道 连 接	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。		
安 装 形 式	分立式、卧式、吊挂式、侧壁式等形式。其中吊挂式安装风机限16#或配套电机75kW以下，侧壁式安装风机配套电机限22kW以下。		
电 机 转 速	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。		
说 明	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。		

DTF(R)-(H\S\V) Series Vane Axial Fan Classes

- DTF(R)-(H) heat exhaust fan(UPE/OTE fan in the metro)

● DTF(R)-(S) fire smoke discharge fan (smoke fan in the metro)

● DTF(R)-(V) ventilation fan (fresh air fan in the metro)
- NOTE: (R) = Reversible Fan

DTF(R)-(H\S\V) Series Vane Axial Fan Type

Name of type	DTF(R)-(H)	DTF(R)-(S)	DTF(R)-(V)
Fan size	10~22#	8~20#	8~22#
Blade angle	Fixed blade angle Stationary blade adjustable	Fixed blade angle Stationary blade adjustable	Fixed blade angle Rotary blade adjustable
Max. air temperature and continuous operating time	300℃ within 60 minutes 180℃over 2 hour	300℃within 60 minutes 180℃over 2 hour	≤45℃
Connecting duct	Rubber flexible duct is available for connecting the fan to the duct, or diffuser is applied on the client's demands.		
Arrangement style	There are four arrangement style, i.g. Vertical, horizontal, hanging and wall ar-rangement according to the requirement of ventilation system. For hanging ar-rangement, size 16# or lower is available or the power of motor shall be lower than 75kW. For the motor power of the wall arrangement fan shall be lower than 22kW.		
Motor speed	According to the requirement of ventilation system, single speed or dual speed motor is applied, as well as frequency conversion device.		
Remarks	● The vibration absorber with the different load is available for DTF series vane axial fan with large size or higher speed; ● Three types of DTF series fan can selected from the same performance parame- ters sheet and performance curve.		

DTF 系列风机特点

Characteristics of DTF Vane Axial Fan

- **效率高：**风机运用国际最新航空航天气动设计技，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尖和根部的涡流损失，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：**风机叶轮系引进国际先进压铸工艺技术，铝合金叶片、轻轮毂经金相分析，其结构组织良好，通过X光射线探伤检验，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验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:** To apply the newest aviation aerodynamic design technology, repeat test and inspection and prove the characteristics of high efficiency, wide high\_efficiency range.

● **Low noise:** To reduce the aerodynamic noise of fan and minimize the whirlpool loss in the tip of blade and blade root.

● **Wide application:** DTF(R)-(H\S\V) vane axial fan is equipped with high protection glasses, high insula- tion degree, hot and humid type and high temperature resistant motor. So the fan is used for ventilation (exhaust) air in the ventilation system of metro, tunnel, electric power, large dam and construction engi- neering, as well as in the fire smoke discharge system or not fire smoke system under the emergency conditions.

● **Good strength:** Blades are cast in aluminum alloy. There is good radial structure for the aluminum alloy blades and hub. The thermal expansion factor of the fan impeller and casing detected by X laser is considered under the temperature of 300℃ to ensure the strength of impeller and high speed operation.

● **Compact structure:** To make the fan as compact as possible, the static blade of the fan and guide vane device is designed to minimize the length of the fan casing. The casing and support are made the finite element calculation to ensure the specific conditions in the metro and electric power station.

● **Anti-surge:** The fan is equipped with the anti\_surge system, which prevent the surge caused by the possible over\_speed operation of the fan under the non\_design work conditions or only one fan is oper- ating when the fan group is parallel connection. So the surge alarm is not necessary.

● **Good corrosion resistant:** Fan casing is hot dip galvanized. Motor is hot and humid type. Fan blades and hub is made of aluminum alloy.

● **Stable operation:** Fan impeller is balanced, bal ance precision up to ISO-2.8 (higher than national class 5.6). Over\_speed test of the impeller, complete vibration test and aerodynamic perfomance test to reach the requirements of high speed stable operation prior to the factory.
- 1 ·
- 2 ·



## DTF 系列风机的形式

## Structure and Arrangement

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，又分单边连接和二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 $-7.5^{\circ}$ 至 $7.5^{\circ}$ 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 fans supplied as a complete unit consisting of impeller, motor, casing, guide vane unit, support, vibration absorber and so on. There are two arrangements of horizontal and vertical and two groups of single connection duct and dual connection ducts, referring to the figure 1.

- The impeller composes of hub and blades which has fixed blade, rotary blade adjustable and stationary blade adjustable ranging from  $-7.5^{\circ}$  to  $+7.5^{\circ}$ . Rotary blade adjustable is made by pneumatic control and electric control to adjust the blade angle when operating, which supplies a gap in the home field.
- For motor, insulation class F or H will be applied, and protection classes IP54 and 55 are available. The motors are high temperature resistant and hot/moisture type. The terminal box is mounted on the casing.
- For the design of the impeller section of the casing, to be sure the radial clearance of the blades and minimize the length and weight.
- To make the fan as compact as possible and maximize the efficiency, the guide vane, bell mouth and guide vane unit are the static parts.
- To ensure the strength of the complete fan unit, support shall be light and easy to installation.
- The fixed blade: blade angle shall be fixed to the impeller on the demands of work conditions. Rotary blade adjustable: the blade angle is adjusted manually after stopping the fan and loosening the bolts on the blade root. Stationary blade adjustable: the blade angle is adjustable for the operating fan according to the actual work conditions.
- Anti-surge system mounted is to prevent the surge caused by the over-speed operation of the fan to ensure the stable operation during long-term period time, especially safety and reliable operation under the conditions of the blocked duct or silencer is or the emergency.
- Vibration absorber is designed and calculated according to the fan weight, linear velocity and dynamic load of the fixed blade angle, stationary blade angle and rotary blade angle.
- Dismounting and repair of fan: Remove the flexible duct connecting to the one end of the fan, and the foundation bolts, or remove the flexible ducts connecting to the both ends of the fan, the foundation bolts and space section (or anti-surge system), and then move the fan as to repair it.

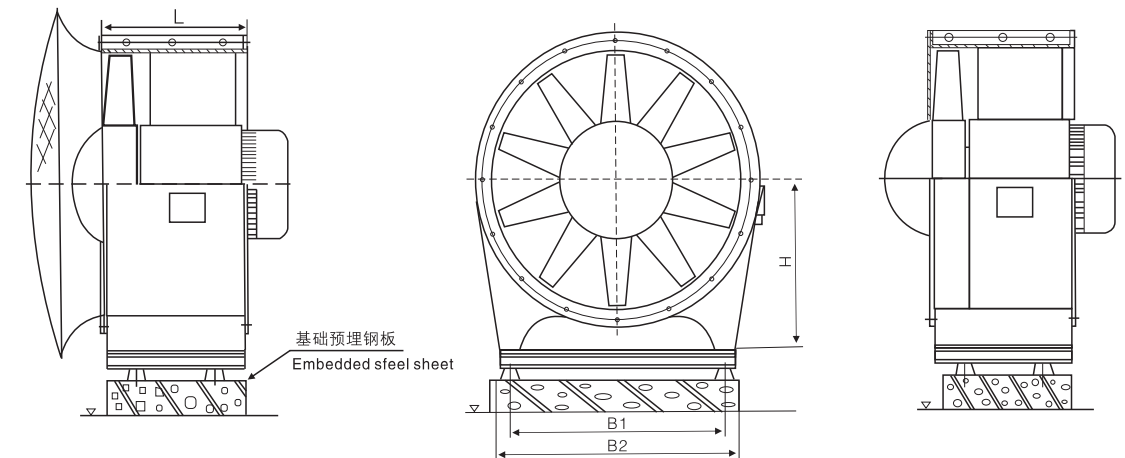
## DTF 系列风机外形结构选择示意图

## Installation Sketch of DTF Series Fan

(图一)DTF 系列风机卧式安装示意图 Horizontal arrangement for DTF series fan (refers to Fig.1)

单边接管道 Fan with single connecting ducts

双边接管道 Fan with dual connecting ducts



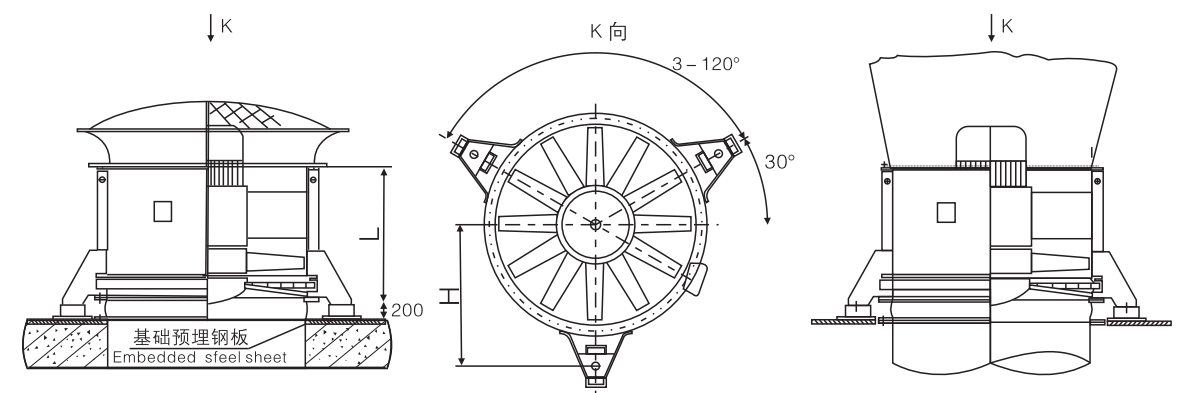
- 1、基础预埋钢板长度 $\geq L+100$ ，宽度 $\geq (B2-B1)/2+20$
- 2、风机重量请参照《风机性能参数表》，风机各支承点静（动）载荷请参照本公司提供的安装图。
- 3、风机外形尺寸参照外形尺寸图（表）。

- The length of the foundation embedded steel sheet is L plus 100 or more, width is  $(B2-B1)/2+20$  or more. - For the fan weight, please refers to the Performance Data Sheet of the Fan. For the static dynamic load on the support point, refers to the installation drawing.
- Overall dimension of the fan, please refers to the overall dimension drawing.

(图二)DTF 系列风机立式安装示意图 Vertical arrangement for DTF series fan (refers to Fig.2)

单边接管道 Fan with single connecting ducts

双边接管道 Fan with dual connecting ducts





1、风机重量请参考《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：

- For the fan weight, please refers to the Performance Data Sheet of the Fan. For the static/dynam-ic load on the support point, refers to the installation drawing.

- Overall dimension of the fan, please refers to the overall dimension drawing. H value is showing in the following table.

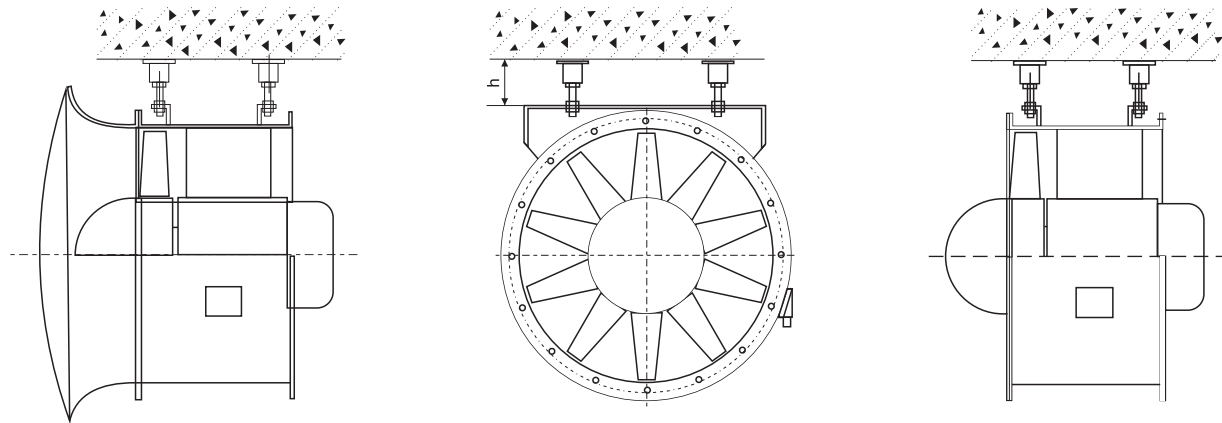
机号 Size	12.5#	14#	16#	18#	20#	22#
H	840	965	1065	1160	1260	1410

(图三)DTF 系列风机吊挂式示意图

Hanging arrangement for DTF series fan(refers to Fig.3)

单边接管道 Fan with single connecting ducts

双边接管道 Fan with dual connecting ducts



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）。

- If the motor power more than 75kW, hanging arrangement shall not be considered because of the sus-tain.

- h value shall be determined according to the layout of the air duct in the ventilation system, referring to the installation sketch.

- For the fan weight, please refers to the Performance Data Sheet of the Fan. For the static/dynamic load on the support point, refers to the installation drawing.

- Overall dimension of the fan, please refers to the overall dimension drawing.

(图四)DTF 系列风机侧墙壁式示意图

Wall arrangement for DTF series fan(refers to Fig.4)

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。

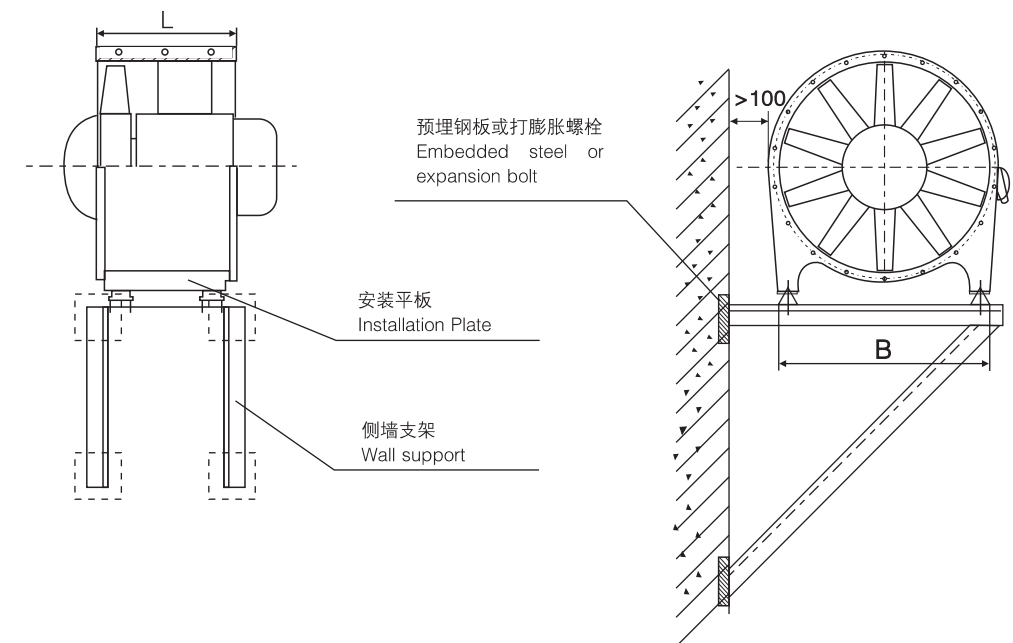
- If the motor power more than 22kW, wall arrangement shall not be considered because of the sustain.

- The length of the plate is more than L+100, width of that is more than B+20.

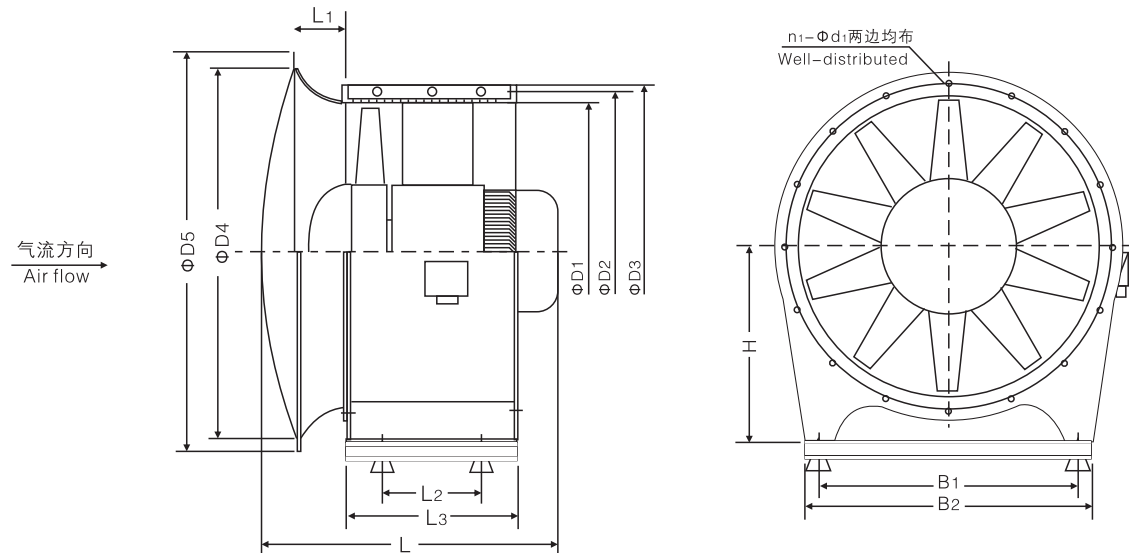
- For the overall dimension of the fan, please refers to the overall dimension drawing. For the fan weight, please refers to the Performance Data Sheet of the Fan.

- For the static/dynamic load on the support point, refers to the installation drawing.

侧墙壁式安装可以单边接管道或双边接管道  
For the wall arrangement, the fan is connecting to single duct or dual ducts



DTF(R)-(H)型轴流式通风机外形图 Overall Drawing of DTF(R)-(H) Fan



DTF(R)-(H)型轴流式通风机外形尺寸 Overall Dimension of DTF(R)-(H) Fan

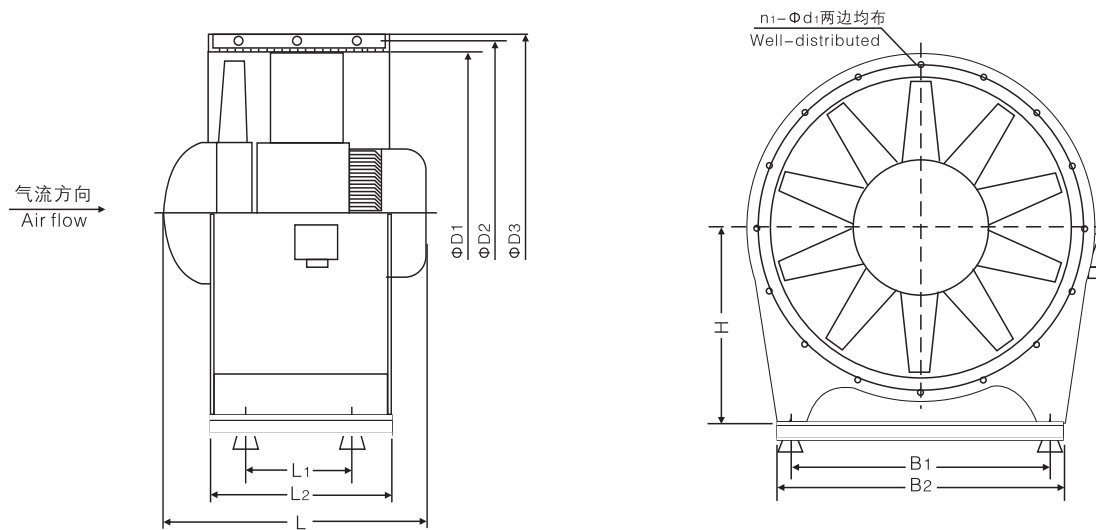
Dimension 尺寸 机号 Size	D1	D2	D3	D4	D5	L1	L2	L3	L	H	B1	B2	n1-Φd1
10	1010	1070	1110	1300	1335	250	490	650	1080	680	600	700	16-Φ14
11.2	1130	1200	1250	1420	1455	250	590	750	1250	730	970	1040	20-Φ14
12.5	1260	1330	1380	1550	1590	250	600	800	1360	800	1150	1250	20-Φ14
14	1410	1490	1550	1700	1740	250	680	900	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。

Remarks:

- The maximum overall dimension is showing in the above table. The length of the fan casing is changeable on the demands of the ventilation system.
- If the fan with anti\_surge system is needed, the length of the fan casing shall be longer than the normal.

DTF(R)-(V)型轴流式通风机外形图 Overall Drawing of DTF(R)-(V) Fan



DTF(R)-(V)型轴流式通风机外形尺寸 Overall Dimension of DTF(R)-(V) 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。

Remarks:

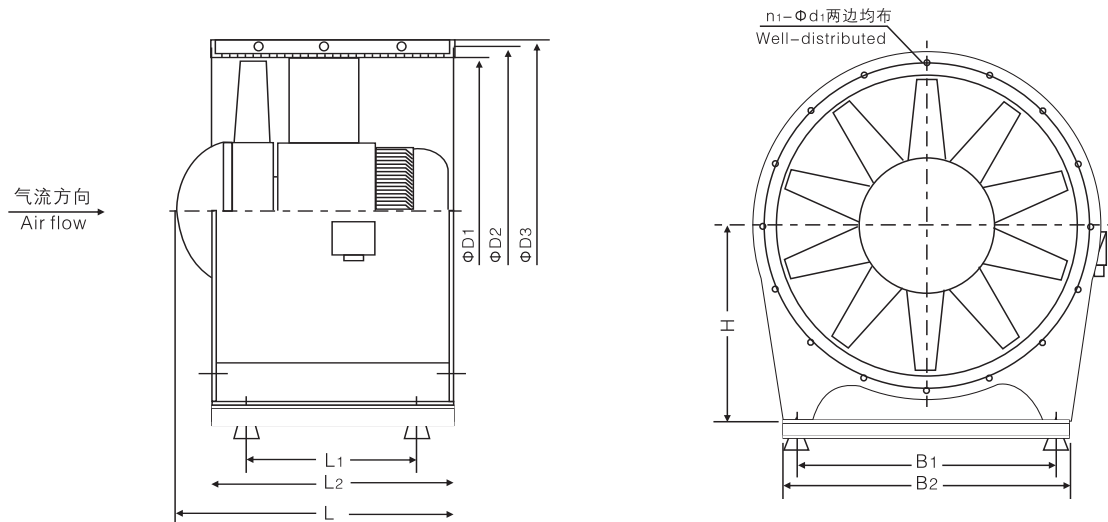
- The maximum overall dimension is showing in the above table. The length of the fan casing is changeable on the demands of the ventilation system.
- If the fan with anti\_surge system is needed, the length of the fan casing shall be longer than the normal.

DTF 系列风机外形图和外形尺寸

Overall Drawing and Overall Dimension of DTF Series Fan

DTF(R)-(S)型轴流式通风机外形图

Overall Drawing of DTF(R)-(S) Fan



DTF(R)-(S)型轴流式通风机外形尺寸

Overall Dimension of DTF(R)-(S) Fan

Dimension 尺寸 机号 Size	D1	D2	D3	L1	L2	L	H	B1	B2	n1- $\phi$ d1
8	810	870	910	420	620	700	488	500	600	16- $\Phi$ 14
9	910	970	1010	480	680	780	538	600	700	16- $\Phi$ 14
10	1010	1070	1110	560	780	880	600	600	700	16- $\Phi$ 14
11.2	1130	1200	1250	700	950	1100	660	970	1040	20- $\Phi$ 14
12.5	1260	1330	1380	860	1100	1260	715	1150	1250	20- $\Phi$ 14
14	1410	1490	1550	1110	1350	1520	790	1280	1400	20- $\Phi$ 14
15	1510	1590	1650	1110	1350	1560	850	1320	1500	20- $\Phi$ 18
16	1610	1700	1770	1110	1350	1560	940	1460	1600	24- $\Phi$ 18
18	1812	1900	1972	1250	1550	1790	1050	1680	1800	24- $\Phi$ 18
20	2012	2100	2172	1450	1750	2000	1165	1820	2000	28- $\Phi$ 18

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。

Remarks:

1. The maximum overall dimension is showing in the above table. The length of the fan casing is changeable on the demands of the ventilation system.

2. If the fan with anti\_surge system is needed, the length of the fan casing shall be longer than the normal.

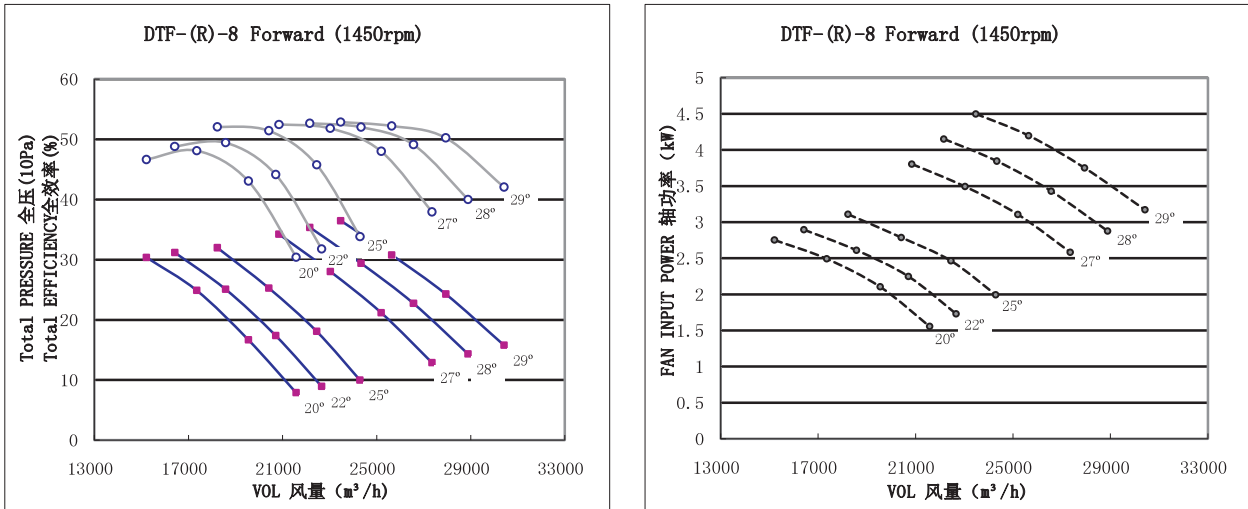
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

DTF(R)-8(S/V)-4P轴流通风机性能曲线、参数表（没有防喘圈）

FEG 60

Performance Curves and Data of DTF(R)-8 (S/V) -4P Vane Axial Fan (without anti - stall 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 Size Power (kW)	总声 功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
20°	1	19544	167	2.10	Y112M-4 4	100	100	43	215
	2	17348	249	2.49		102			
	3	15206	304	2.75		105			
22°	1	20706	173	2.25	Y112M-4 4	102	100	43	215
	2	18574	251	2.61		102			
	3	16413	310	2.89		105			
25°	1	22450	181	2.46	Y112M-4 4	104	100	43	215
	2	20412	253	2.79		103			
	3	18223	320	3.11		105			
27°	1	25193	212	3.10	Y132S-4 5.5	104	100	68	252
	2	23026	281	3.49		104			
	3	20846	343	3.80		104			
28°	1	26564	228	3.42	Y132S-4 5.5	105	100	68	252
	2	24332	294	3.84		104			
	3	22157	354	4.15		104			
29°	1	27936	243	3.75	Y132S-4 5.5	105	100	68	252
	2	25639	308	4.19		104			
	3	23468	365	4.49		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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet

. Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.



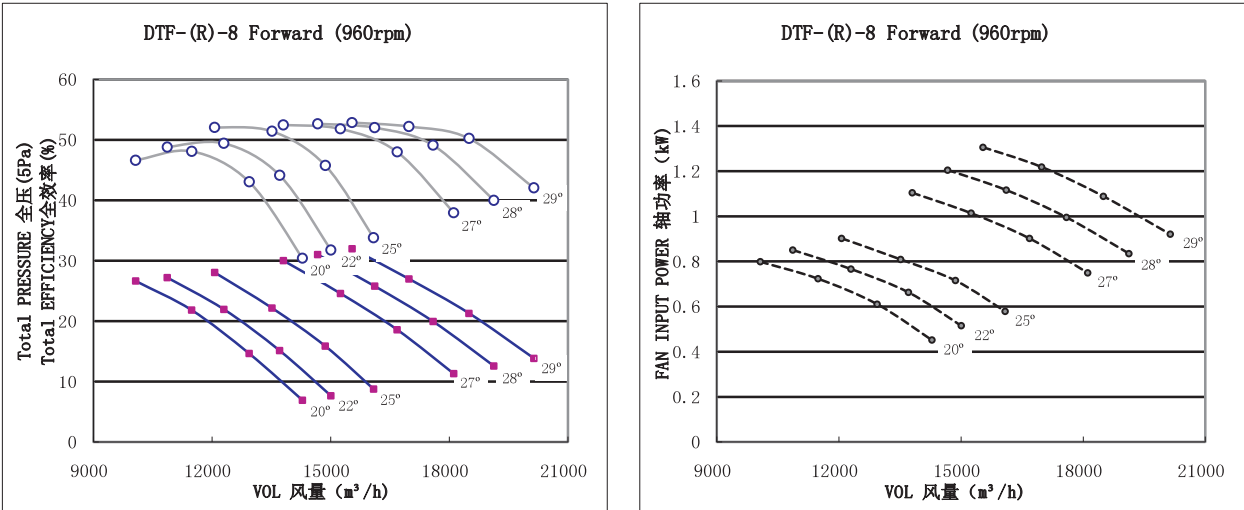
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

DTF(R)-8(S/V)-6P轴流通风机性能曲线、参数表（没有防喘圈）

FEG 60

Performance Curves and Data of DTF(R)-8 (S/V) -6P Vane Axial Fan (without anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
20°	1	12940	73	0.61	Y90L-6 1.1	91	100	25	188
	2	11486	109	0.72		92			
	3	10068	133	0.80		95			
22°	1	13709	76	0.65	Y90L-6 1.1	92	100	25	188
	2	12297	110	0.76		93			
	3	10867	136	0.84		95			
25°	1	14863	79	0.71	Y90L-6 1.1	94	100	25	188
	2	13514	111	0.81		93			
	3	12065	140	0.90		95			
27°	1	16679	93	0.90	Y100L-6 1.5	94	100	33	200
	2	15245	123	1.01		94			
	3	13801	150	1.10		95			
28°	1	17587	100	0.99	Y100L-6 1.5	95	100	33	200
	2	16110	129	1.11		94			
	3	14670	155	1.20		94			
29°	1	18496	107	1.09	Y112M-6 2.2	95	100	45	218
	2	16975	135	1.22		94			
	3	15538	160	1.30		94			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet

. Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

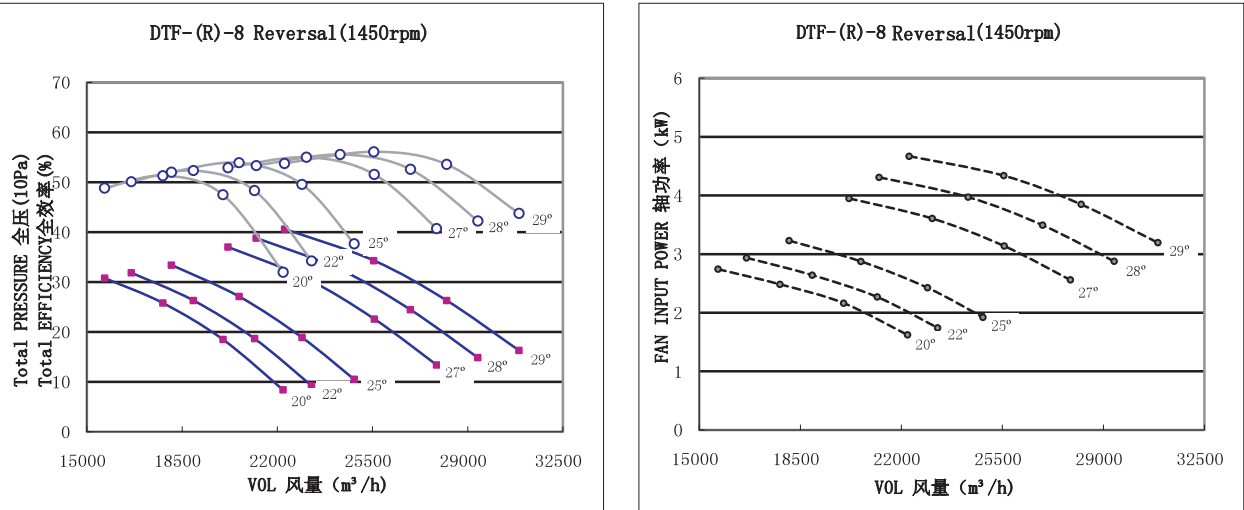
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

DTF(R)-8(S/V)-4P轴流通风机性能曲线、参数表（没有防喘圈）

FEG 60

Performance Curves and Data of DTF(R)-8 (S/V) -4P Vane Axial Fan (without anti - stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet

. Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

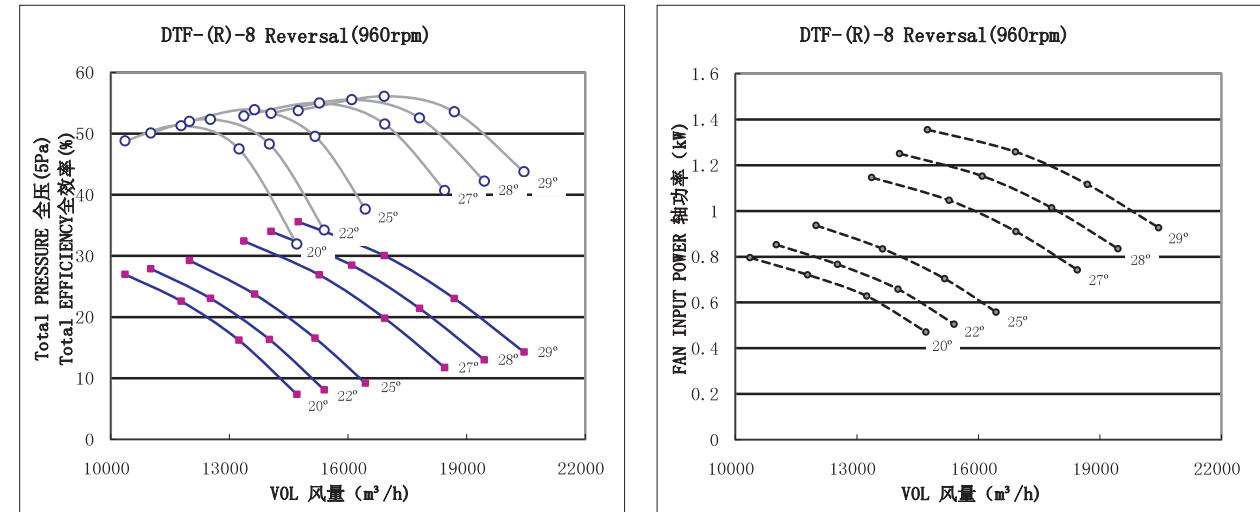
The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

DTF 系列轴流通风机性能曲线图、参数表 Performance Curves and Data of DTF Vane Axial Fan

DTF(R)-8(S/V)-6P轴流通风机性能曲线、参数表（没有防喘圈）

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Performance Curves and Data of DTF(R)-8 (S/V) -6P Vane Axial Fan (without anti - stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	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			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet

. Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

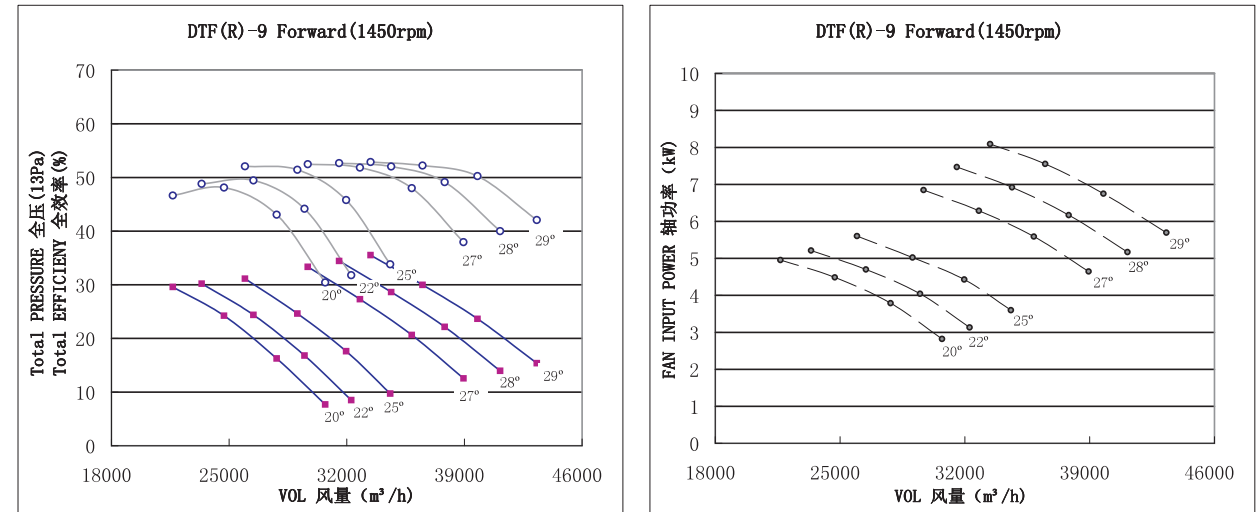
The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

DTF 系列轴流通风机性能曲线图、参数表 Performance Curves and Data of DTF Vane Axial Fan

DTF(R)-9(S/V)-4P轴流通风机性能曲线、参数表（没有防喘圈）

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Performance Curves and Data of DTF(R)-9 (S/V) -4P Vane Axial Fan (without anti - stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
20°	1	27828	211	3.79	Y132M-4 7.5	104	130	81	317
	2	24701	315	4.49		106			
	3	21651	385	4.96		108			
22°	1	29482	218	4.05	Y132M-4 7.5	105	130	81	317
	2	26446	317	4.70		106			
	3	23369	393	5.22		108			
25°	1	31964	229	4.43	Y132M-4 7.5	107	130	81	317
	2	29063	320	5.02		107			
	3	25947	405	5.60		108			
27°	1	35870	268	5.59	Y160M-4 11	108	130	124	381
	2	32784	355	6.29		107			
	3	29681	433	6.85		108			
28°	1	37823	288	6.17	Y160M-4 11	108	130	124	381
	2	34645	372	6.92		108			
	3	31548	448	7.47		108			
29°	1	39776	308	6.75	Y160M-4 11	108	130	124	381
	2	36506	390	7.55		108			
	3	33415	462	8.09		108			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet

. Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

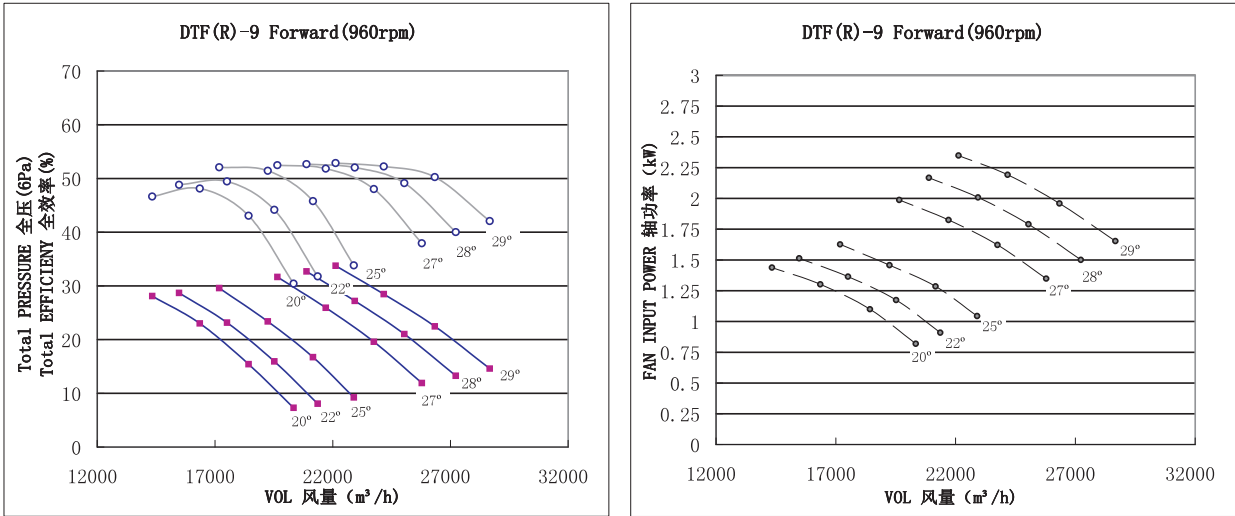
The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

DTF 系列轴流通风机性能曲线图、参数表 Performance Curves and Data of DTF Vane Axial Fan

DTF(R)-9(S/V)-6P轴流通风机性能曲线、参数表（没有防喘圈）

FEG 60

Performance Curves and Data of DTF(R)-9(S/V)-6P Vane Axial Fan (without anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
20°	1	18424	93	1.10	Y112M-6 2.2	94	130	45	263
	2	16354	138	1.30		96			
	3	14335	169	1.44		98			
22°	1	19519	96	1.17	Y112M-6 2.2	95	130	45	263
	2	17509	139	1.36		96			
	3	15472	172	1.51		98			
25°	1	21163	100	1.29	Y112M-6 2.2	97	130	45	263
	2	19242	140	1.46		97			
	3	17179	178	1.63		98			
27°	1	23749	118	1.62	Y132S-6 3	98	130	63	290
	2	21706	156	1.83		97			
	3	19651	190	1.99		98			
28°	1	25042	126	1.79	Y132S-6 3	98	130	63	290
	2	22937	163	2.01		98			
	3	20887	196	2.17		98			
29°	1	26334	135	1.96	Y132S-6 3	99	130	63	290
	2	24169	171	2.19		98			
	3	22123	202	2.35		98			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet . Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

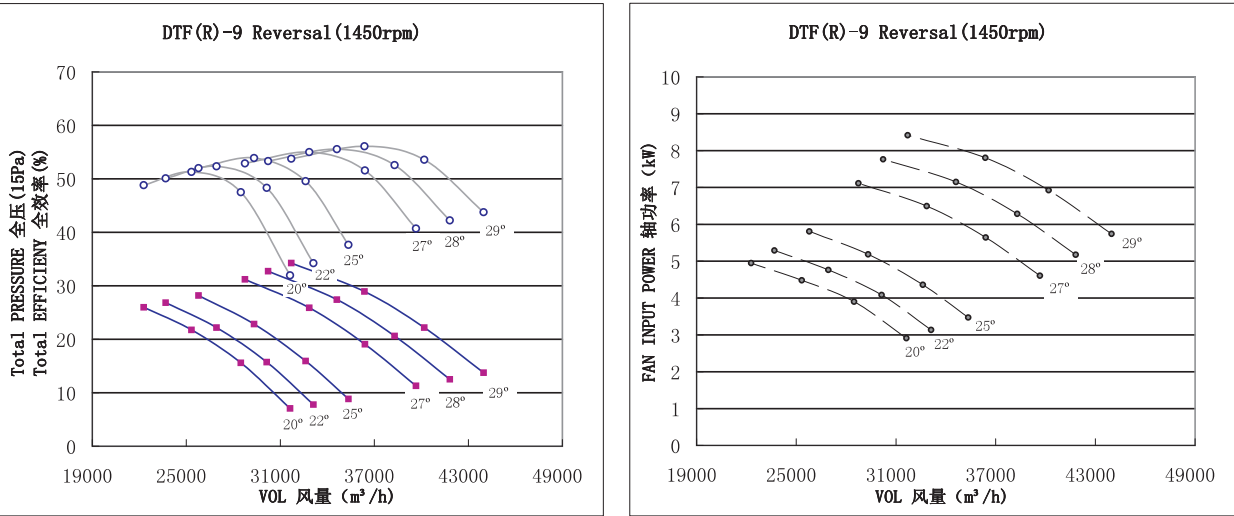
The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

DTF 系列轴流通风机性能曲线图、参数表 Performance Curves and Data of DTF Vane Axial Fan

DTF(R)-9(S/V)-4P轴流通风机性能曲线、参数表（没有防喘圈）

FEG 60

Performance Curves and Data of DTF(R)-9 (S/V)-4P Vane Axial Fan (without anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
20°	1	28479	234	3.90	Y132M-4 7.5	105	130	81	317
	2	25332	327	4.48		107			
	3	22282	390	4.95		108			
22°	1	30133	236	4.09	Y132M-4 7.5	106	130	81	317
	2	26929	333	4.76		107			
	3	23682	403	5.29		109			
25°	1	32615	239	4.36	Y132M-4 7.5	107	130	81	317
	2	29325	343	5.19		107			
	3	25783	423	5.81		110			
27°	1	36401	286	5.64	Y160M-4 11	107	130	124	381
	2	32849	389	6.50		107			
	3	28743	468	7.11		110			
28°	1	38293	309	6.28	Y160M-4 11	107	130	124	381
	2	34611	411	7.15		107			
	3	30223	491	7.76		110			
29°	1	40186	333	6.93	Y160M-4 11	107	130	124	381
	2	36373	434	7.80		107			
	3	31703	514	8.42		110			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet . Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.



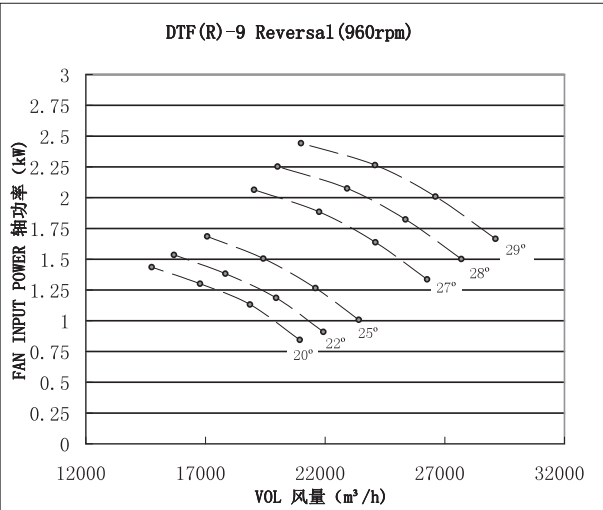
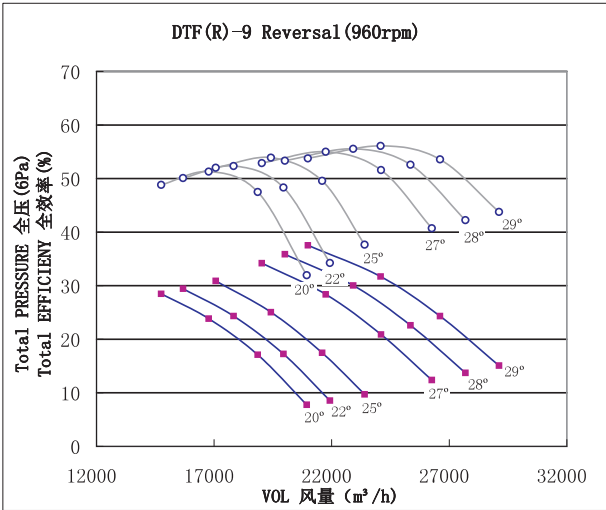
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

DTF(R)-9(S/V)-6P轴流通风机性能曲线、参数表（没有防喘圈）

FEG 60

Performance Curves and Data of DTF(R)-9 (S/V) -6P Vane Axial Fan (without anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
20°	1	18855	103	1.13	Y112M-6 2.2	95	130	45	263
	2	16771	143	1.30		97			
	3	14752	171	1.44		98			
22°	1	19950	104	1.19	Y112M-6 2.2	96	130	45	263
	2	17829	146	1.38		97			
	3	15679	177	1.54		99			
25°	1	21594	105	1.27	Y112M-6 2.2	97	130	45	263
	2	19415	150	1.51		98			
	3	17070	185	1.69		100			
27°	1	24100	125	1.64	Y132S-6 3	97	130	63	290
	2	21748	170	1.89		97			
	3	19030	205	2.06		100			
28°	1	25353	136	1.82	Y132S-6 3	97	130	63	290
	2	22915	180	2.07		97			
	3	20010	215	2.25		100			
29°	1	26606	146	2.01	Y132S-6 3	97	130	63	290
	2	24081	190	2.26		97			
	3	20990	225	2.44		100			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet

. Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

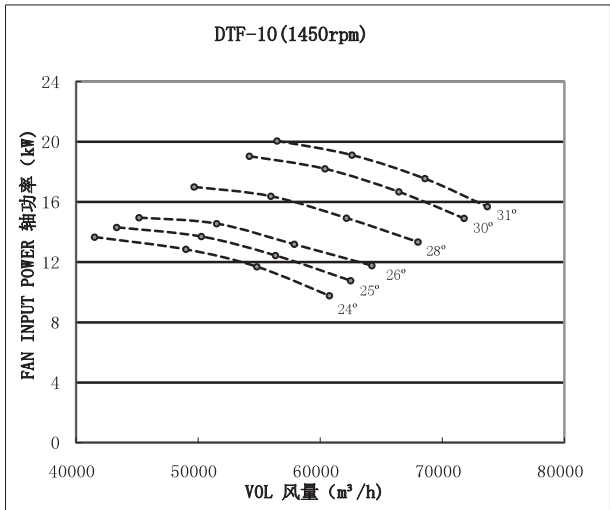
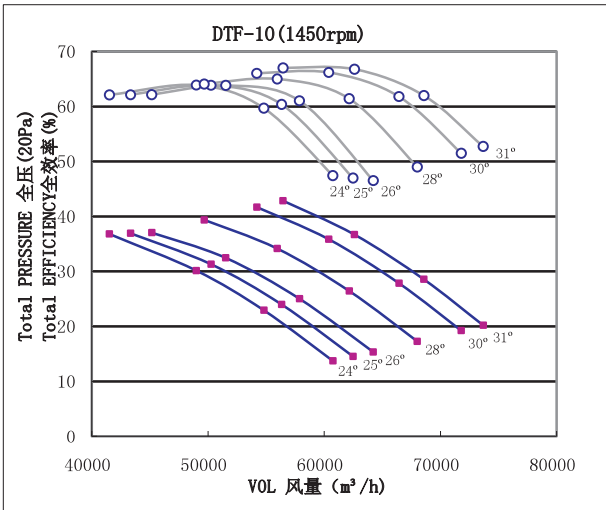
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

DTF-10(H/S/V)-4P 轴流通风机性能曲线、参数表（没有防喘圈）

FEG 71

Performance Curves and Data of DTF-10 (H/S/V) -4P Vane Axial Fan (without anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	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	549
	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			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet.

Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

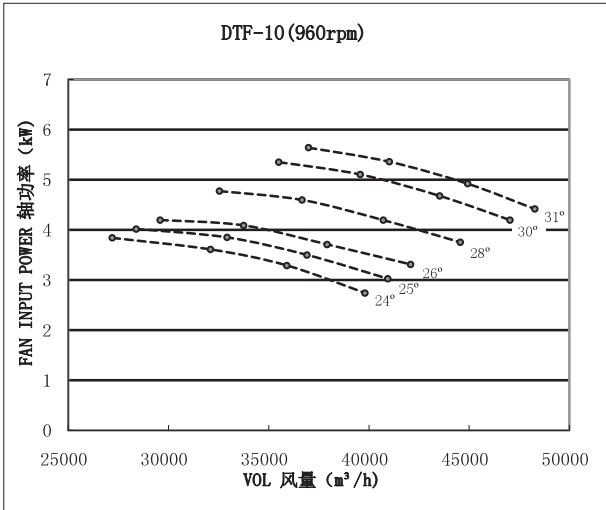
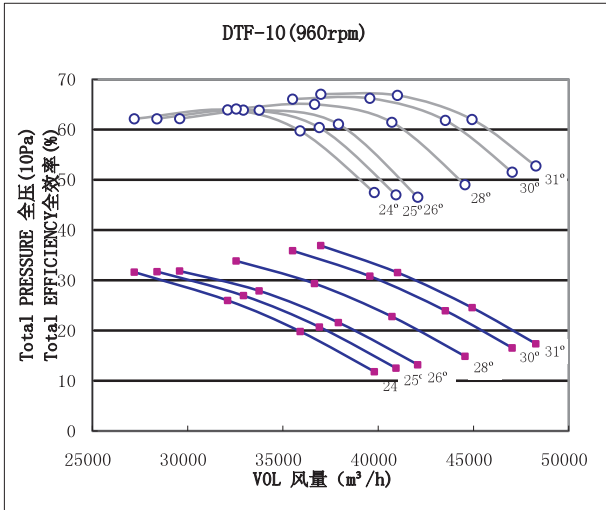
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

FEG 71

Performance Curves and Data of DTF-10 (H/S/V) – 6P Vane Axial Fan (without anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	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			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet.

Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

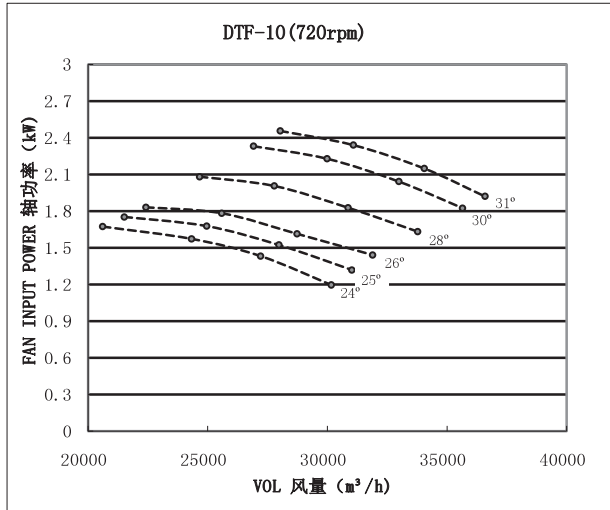
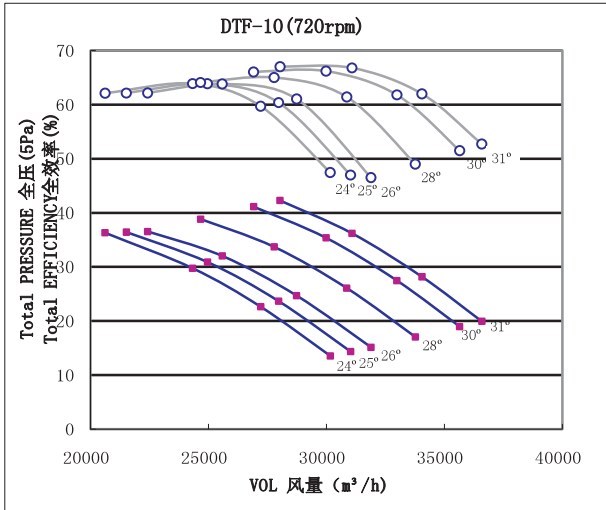
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

FEG 71

Performance Curves and Data of DTF-10 (H/S/V) – 8P Vane Axial Fan (without anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	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			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet.

Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

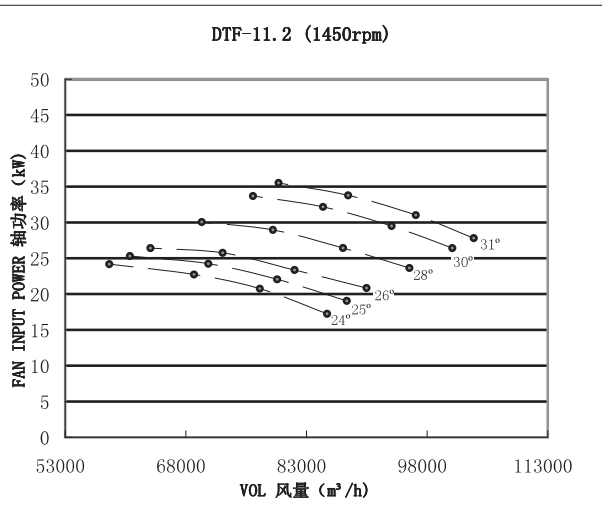
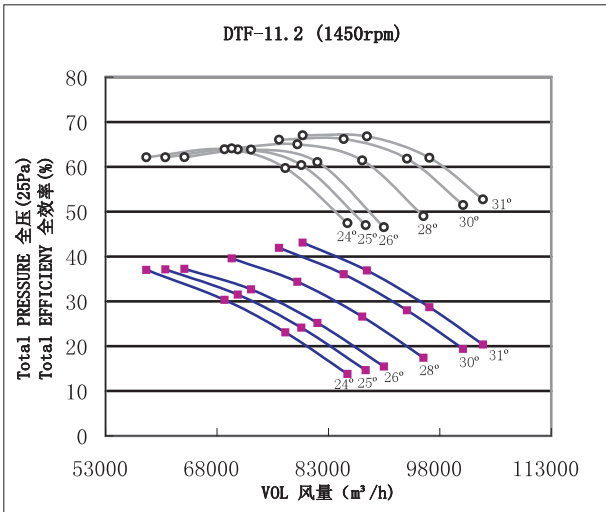
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

FEG 71

Performance Curves and Data of DTF-11.2 (H/S/V) – 4P Vane Axial Fan (without anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
24°	1	76989	576	20.65	Y200L-4 30	116	220	255	713
	2	68821	757	22.63		116			
	3	58322	923	24.06		118			
25°	1	79142	602	21.95	Y255S-4 37	117	220	284	756
	2	70601	786	24.13		116			
	3	60878	926	25.18		118			
26°	1	81296	628	23.25	Y255S-4 37	117	220	284	756
	2	72380	815	25.62		117			
	3	63433	929	26.29		118			
28°	1	87311	663	26.30	Y255S-4 37	118	220	284	756
	2	78605	857	28.82		117			
	3	69785	988	29.91		118			
30°	1	93327	698	29.35	Y225M-4 45	118	220	320	810
	2	84830	899	32.02		117			
	3	76136	1046	33.53		118			
31°	1	96334	716	30.88	Y225M-4 45	118	220	320	810
	2	87943	921	33.62		118			
	3	79312	1075	35.34		118			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet.

Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

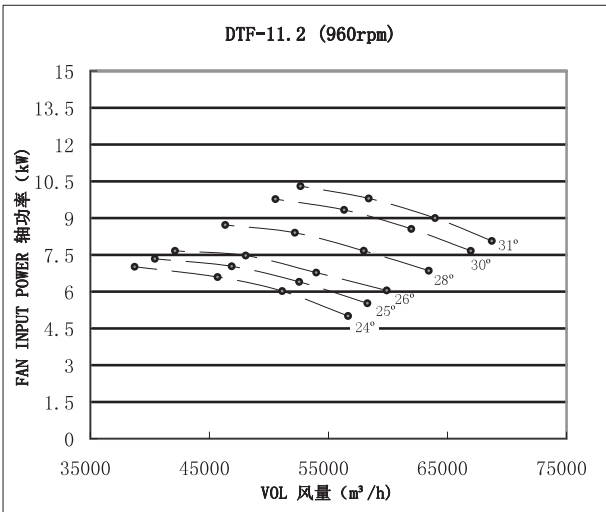
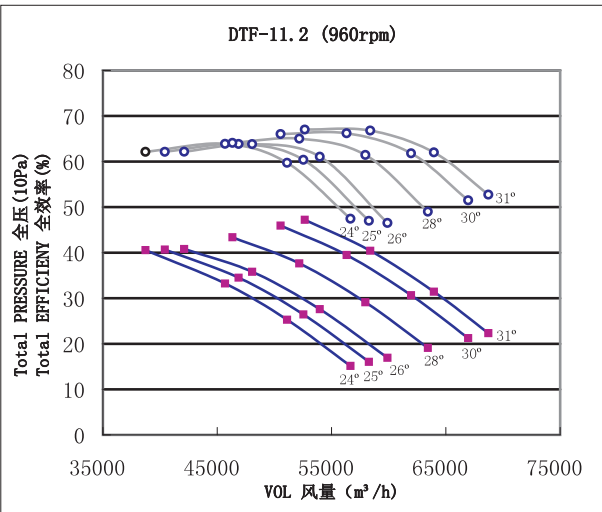
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

FEG 71

Performance Curves and Data of DTF-11.2 (H/S/V) – 6P Vane Axial Fan (without anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
24°	1	50972	252	5.99	Y160L-6 11	106	220	146	549
	2	45564	332	6.57		106			
	3	38613	405	6.98		108			
25°	1	52398	264	6.37	Y160L-6 11	107	220	146	549
	2	46742	345	7.00		106			
	3	40305	406	7.31		108			
26°	1	53824	275	6.75	Y160L-6 11	107	220	146	549
	2	47921	357	7.44		107			
	3	41997	407	7.63		108			
28°	1	57806	291	7.63	Y160L-6 11	108	220	146	549
	2	52042	376	8.36		107			
	3	46202	433	8.68		108			
30°	1	61789	306	8.52	Y180L-6 15	108	220	186	609
	2	56164	394	9.29		108			
	3	50408	459	9.73		108			
31°	1	63780	314	8.96	Y180L-6 15	109	220	186	609
	2	58224	403	9.76		108			
	3	52510	471	10.26		108			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet.

Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.



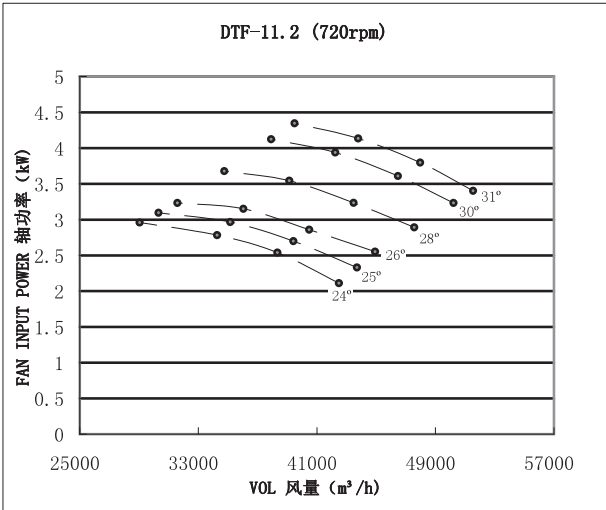
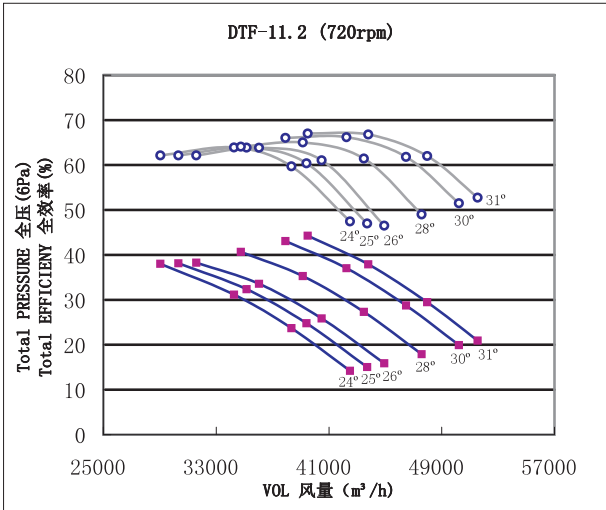
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

FEG 71

Performance Curves and Data of DTF-11.2 (H/S/V) – 8P Vane Axial Fan (without anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
24°	1	38229	142	2.53	Y160M1-8 4	99	220	118	507
	2	34173	187	2.77		99			
	3	28960	228	2.95		101			
25°	1	39298	148	2.69	Y160M1-8 4	100	220	118	507
	2	35057	194	2.95		100			
	3	30229	228	3.08		101			
26°	1	40368	155	2.85	Y160M1-8 4	100	220	118	507
	2	35940	201	3.14		100			
	3	31498	229	3.22		102			
28°	1	43355	164	3.22	Y160M2-8 5.5	101	220	121	512
	2	39032	211	3.53		100			
	3	34652	244	3.66		101			
30°	1	46342	172	3.59	Y160M2-8 5.5	101	220	121	512
	2	42123	222	3.92		101			
	3	37806	258	4.11		101			
31°	1	47835	177	3.78	Y160M2-8 5.5	102	220	121	512
	2	43668	227	4.12		101			
	3	39383	265	4.33		101			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet.

Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

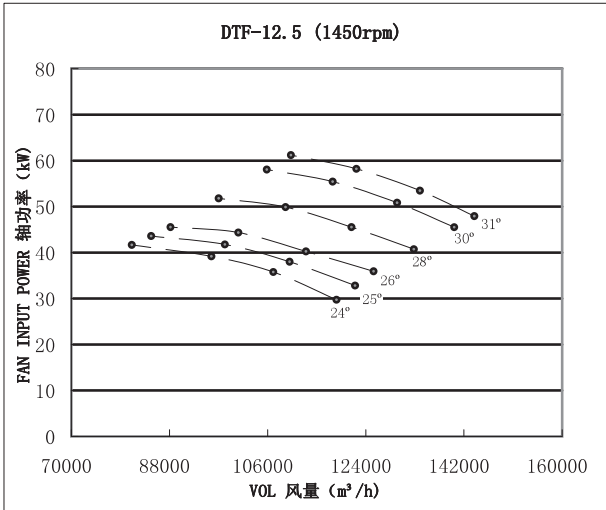
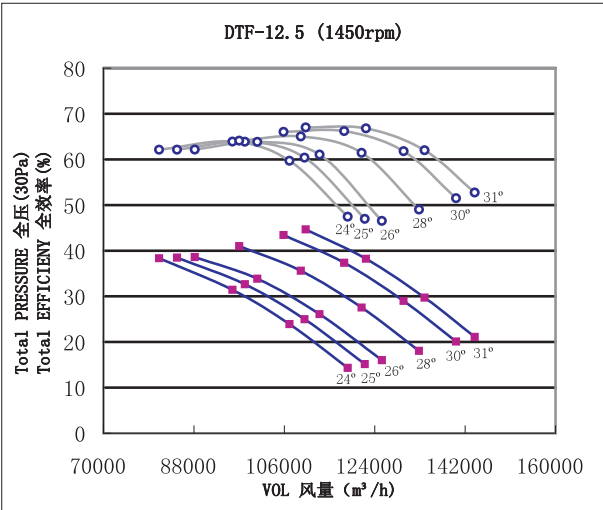
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

FEG 71

Performance Curves and Data of DTF-12.5 (H/S/V) – 4P Vane Axial Fan (without anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
24°	1	107029	717	35.77	Y250M-4 55	119	330	427	1136
	2	95675	943	39.18		119			
	3	81080	1150	41.67		121			
25°	1	110024	750	38.01	Y250M-4 55	120	330	427	1136
	2	98149	979	41.78		120			
	3	84632	1154	43.60		121			
26°	1	113018	783	40.26	Y250M-4 55	120	330	427	1136
	2	100622	1016	44.37		120			
	3	88184	1158	45.53		122			
28°	1	121380	826	45.55	Y280S-4 75	121	330	560	1335
	2	109277	1068	49.91		120			
	3	97014	1230	51.80		121			
30°	1	129742	870	50.83	Y280S-4 75	121	330	560	1335
	2	117931	1120	55.45		121			
	3	105845	1303	58.07		121			
31°	1	133923	892	53.48	Y280S-4 75	122	330	560	1335
	2	122258	1147	58.22		121			
	3	110260	1340	61.20		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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet.

Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

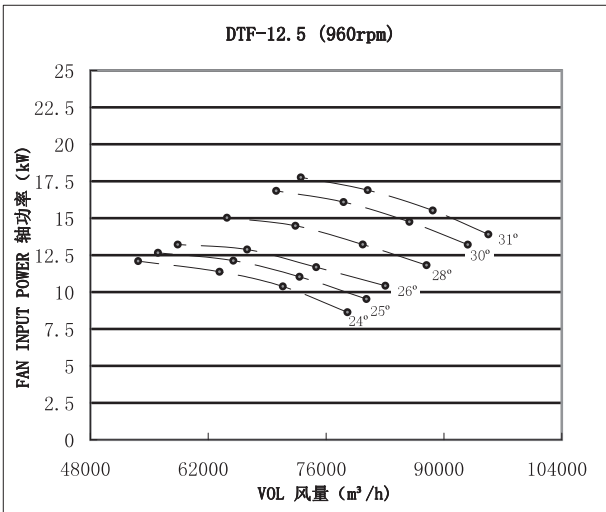
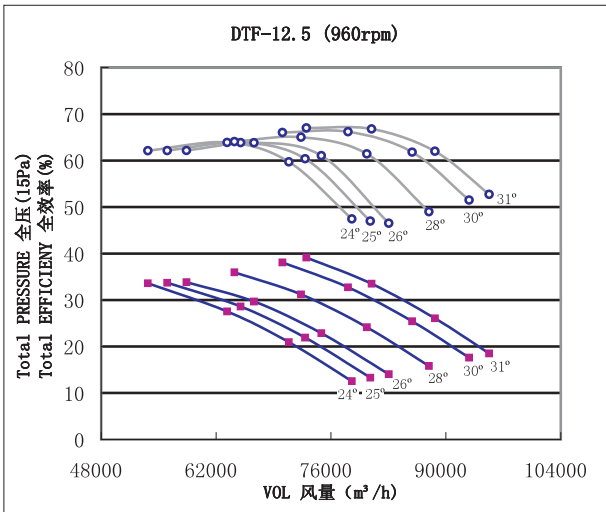
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

FEG 71

Performance Curves and Data of DTF-12.5 (H/S/V) – 6P Vane Axial Fan (without anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
24°	1	70861	314	10.38	Y180L-6 15	110	330	186	774
	2	63343	413	11.37		109			
	3	53680	504	12.09		111			
25°	1	72843	329	11.03	Y180L-6 15	110	330	186	774
	2	64981	429	12.12		110			
	3	56032	506	12.65		112			
26°	1	74826	343	11.68	Y200L1-6 18.5	110	330	235	848
	2	66619	445	12.88		110			
	3	58384	507	13.21		112			
28°	1	80362	362	13.22	Y200L1-6 18.5	111	330	235	848
	2	72349	468	14.48		111			
	3	64230	539	15.03		112			
30°	1	85898	381	14.75	Y200L2-6 22	112	330	260	885
	2	78078	491	16.09		111			
	3	70076	571	16.85		111			
31°	1	88667	391	15.52	Y200L2-6 22	112	330	260	885
	2	80943	503	16.90		111			
	3	72999	587	17.76		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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet.

Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

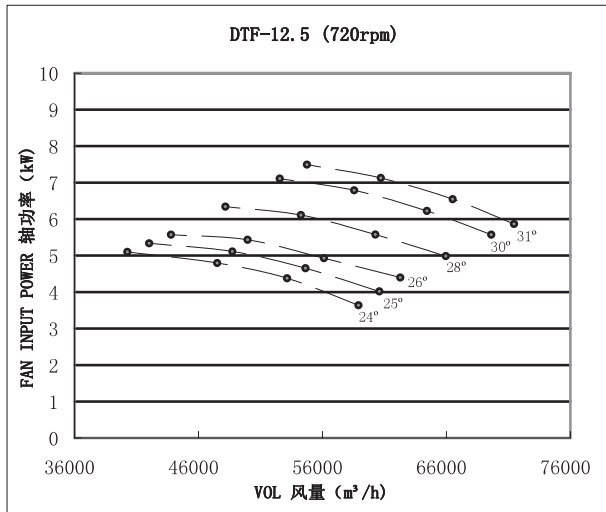
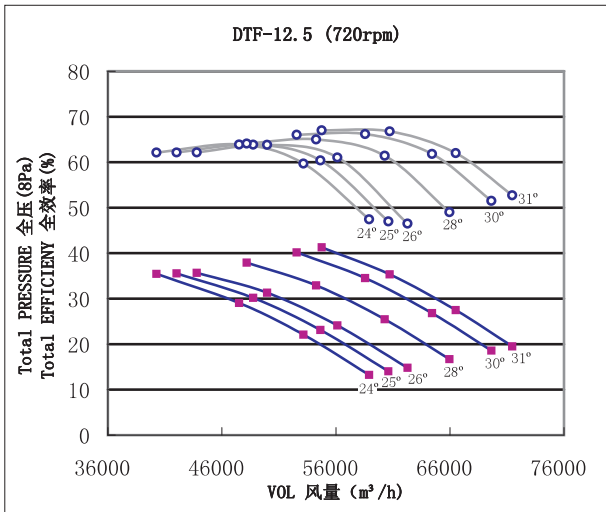
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

FEG 71

Performance Curves and Data of DTF-12.5 (H/S/V) – 8P Vane Axial Fan (without anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
24°	1	53146	177	4.38	Y160L-8 7.5	103	330	147	716
	2	47508	232	4.80		102			
	3	40260	284	5.10		105			
25°	1	54632	185	4.65	Y160L-8 7.5	103	330	147	716
	2	48736	241	5.11		103			
	3	42024	285	5.34		105			
26°	1	56119	193	4.93	Y160L-8 7.5	104	330	147	716
	2	49964	250	5.43		103			
	3	43788	285	5.57		105			
28°	1	60271	204	5.58	Y180L-8 11	104	330	182	768
	2	54261	263	6.11		104			
	3	48173	303	6.34		105			
30°	1	64424	215	6.22	Y180L-8 11	105	330	182	768
	2	58559	276	6.79		104			
	3	52557	321	7.11		104			
31°	1	66500	220	6.55	Y180L-8 11	105	330	182	768
	2	60707	283	7.13		104			
	3	54750	330	7.49		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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D:Ducted inlet, Ducted outlet.

Values shown are for inlet Lwi sound. Power levels for installation type D:Ductedinlet, Ducted outlet. Ratings include the effects of duct end correction.

The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

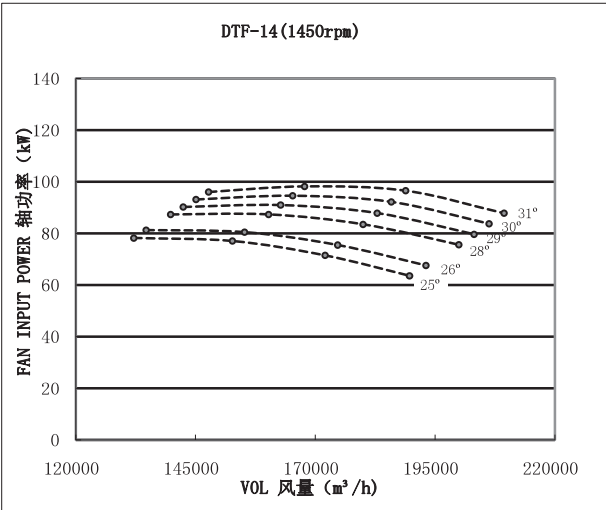
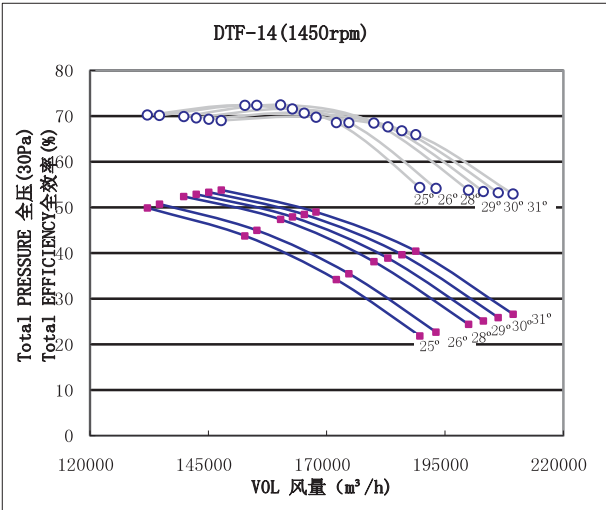
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

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Performance Curves and Data of DTF-14 (H/S/V) – 4P Vane Axial Fan (with anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

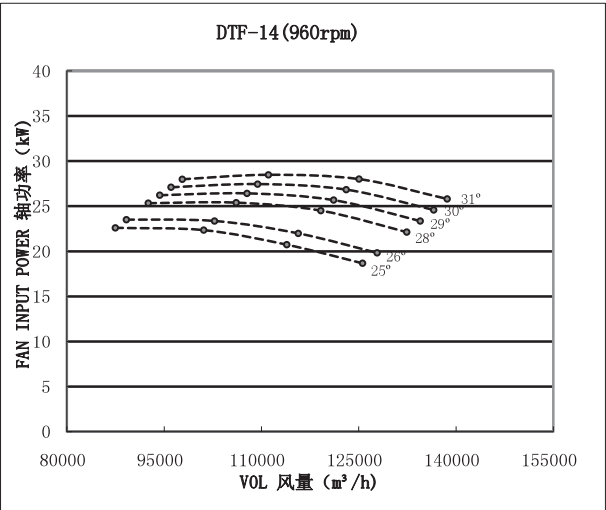
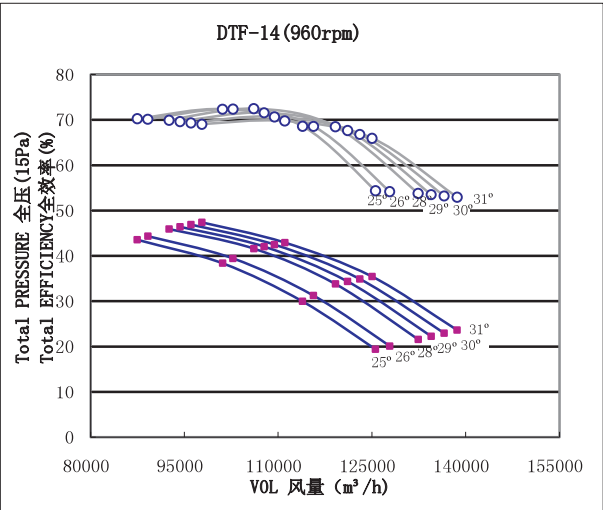
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

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Performance Curves and Data of DTF-14 (H/S/V) – 6P Vane Axial Fan (with anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.



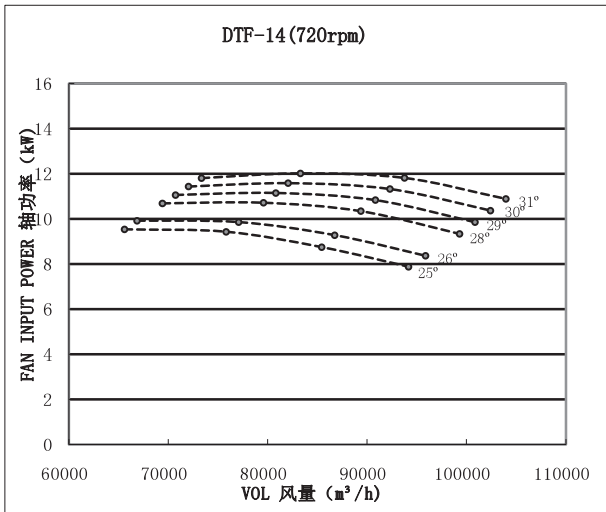
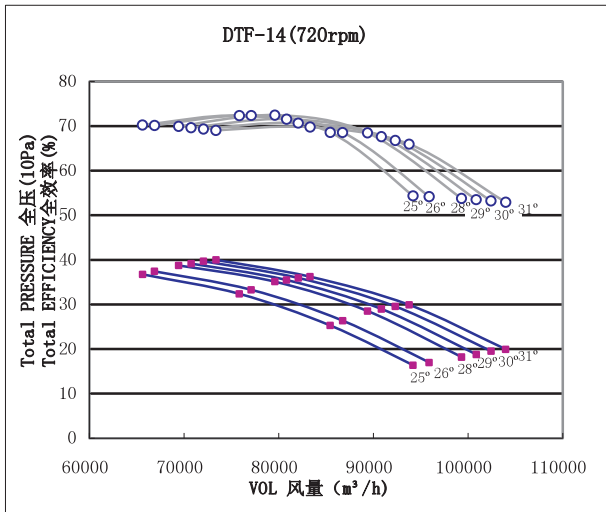
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

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Performance Curves and Data of DTF-14 (H/S/V) – 8P Vane Axial Fan (with anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

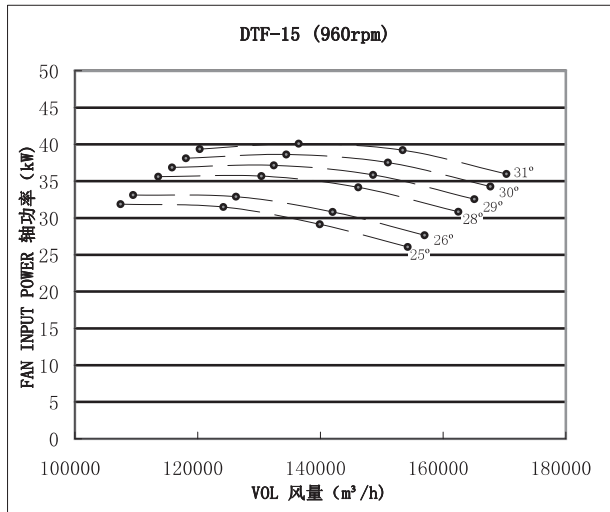
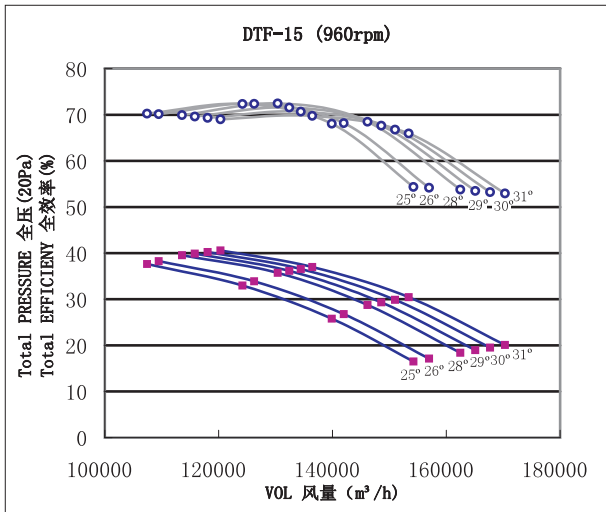
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

FEG 75

Performance Curves and Data of DTF-15 (H/S/V) – 6P Vane Axial Fan (with anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
25°	1	140096	516	29.22	Y280S-6 45	114	550	533	1625
	2	124359	660	31.57		112			
	3	107577	753	31.95		113			
26°	1	142190	536	30.90	Y280S-6 45	114	550	533	1625
	2	126431	679	32.97		112			
	3	109629	766	33.20		113			
28°	1	146378	576	34.26	Y280S-6 45	113	550	533	1625
	2	130574	715	35.78		113			
	3	113733	791	35.70		113			
29°	1	148795	587	35.94	Y280M-6 55	113	550	590	1710
	2	132600	724	37.25		112			
	3	115988	798	36.95		113			
30°	1	151213	598	37.63	Y280M-6 55	113	550	590	1710
	2	134626	732	38.72		112			
	3	118244	805	38.21		113			
31°	1	153630	609	39.31	Y280M-6 55	113	550	590	1710
	2	136652	741	40.19		112			
	3	120500	813	39.46		113			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

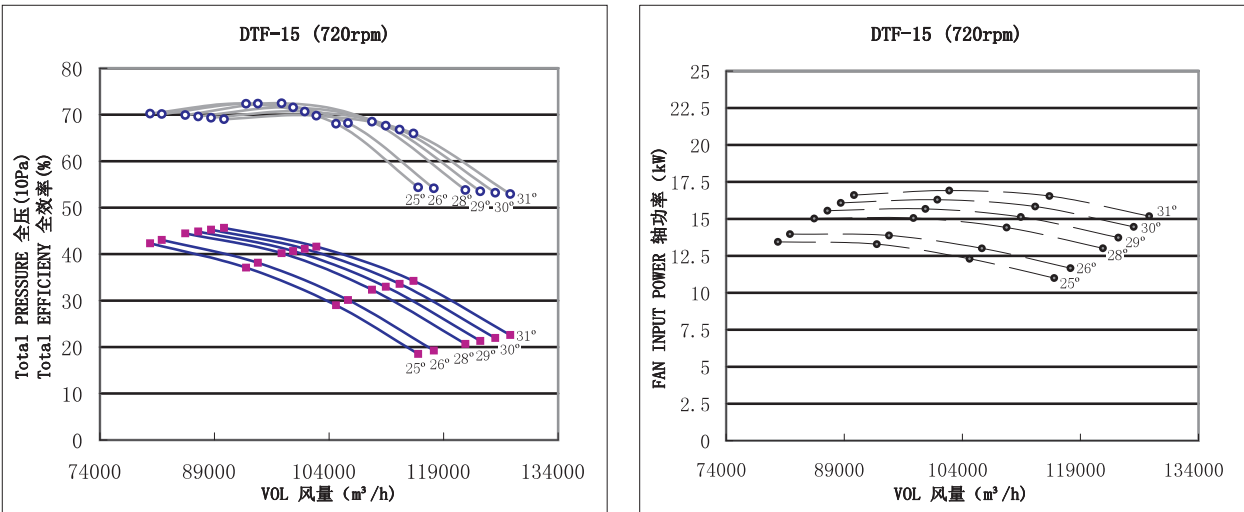
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

FEG 75

Performance Curves and Data of DTF-15 (H/S/V) – 8P Vane Axial Fan (with anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
25°	1	105072	290	12.33	Y225S-8 18.5	107	550	376	1389
	2	93269	371	13.32		105			
	3	80683	424	13.48		106			
26°	1	106642	302	13.04	Y225S-8 18.5	107	550	376	1389
	2	94823	382	13.91		105			
	3	82222	431	14.01		106			
28°	1	109784	324	14.45	Y225S-8 18.5	107	550	376	1389
	2	97930	402	15.09		106			
	3	85299	445	15.06		106			
29°	1	111597	330	15.16	Y225M-8 22	106	550	303	1280
	2	99450	407	15.71		106			
	3	86991	449	15.59		106			
30°	1	113409	336	15.87	Y225M-8 22	106	550	303	1280
	2	100970	412	16.34		105			
	3	88683	453	16.12		106			
31°	1	115222	343	16.59	Y225M-8 22	106	550	303	1280
	2	102489	417	16.96		105			
	3	90375	457	16.65		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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels,

referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

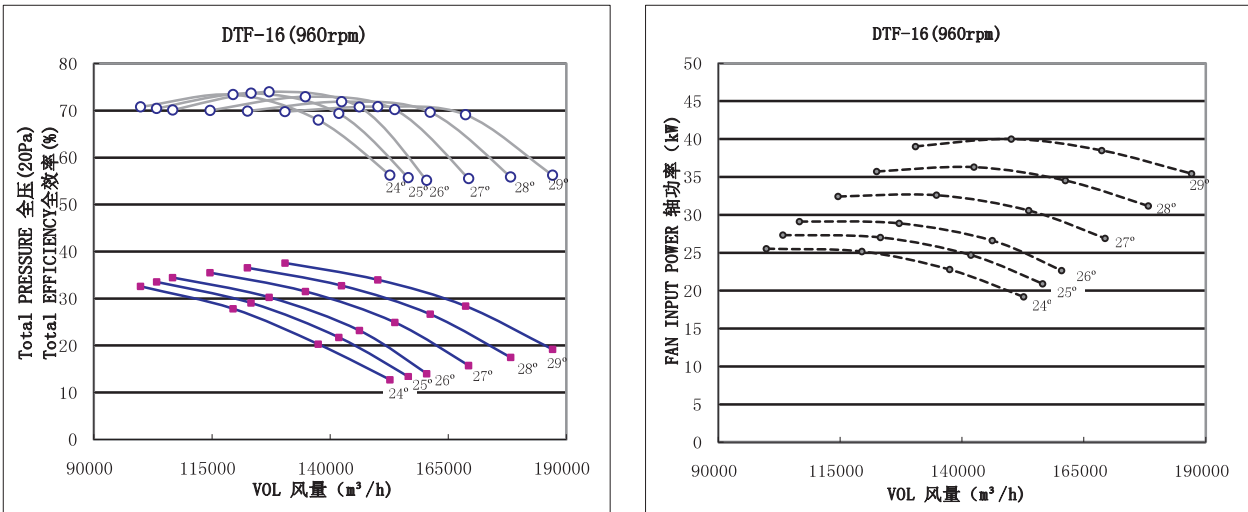
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

FEG 75

Performance Curves and Data of DTF-16 (H/S/V) – 6P Vane Axial Fan (with anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels,

referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

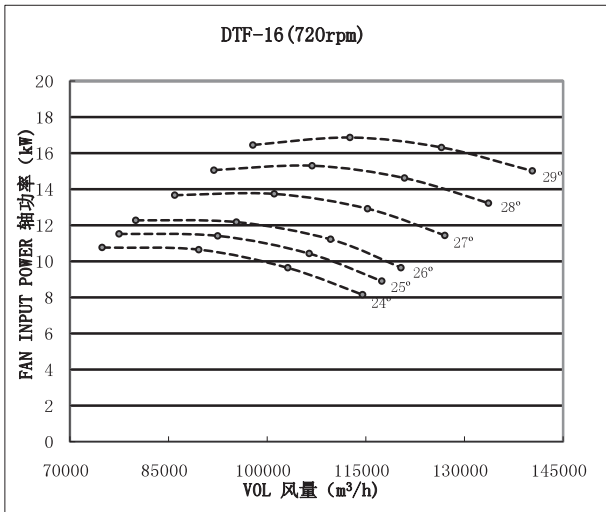
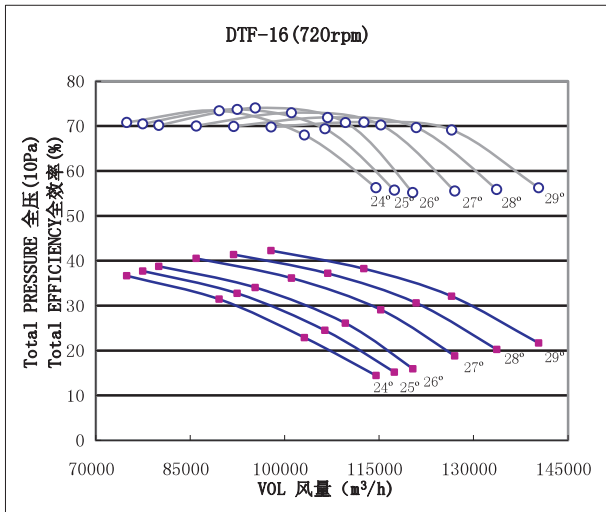
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

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Performance Curves and Data of DTF-16 (H/S/V) – 8P Vane Axial Fan (with anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

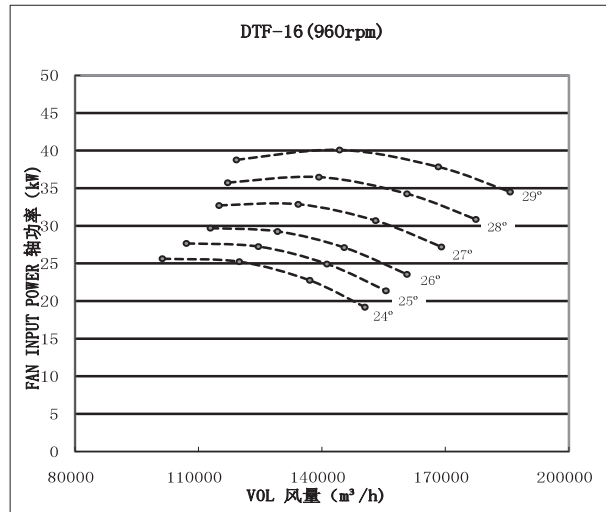
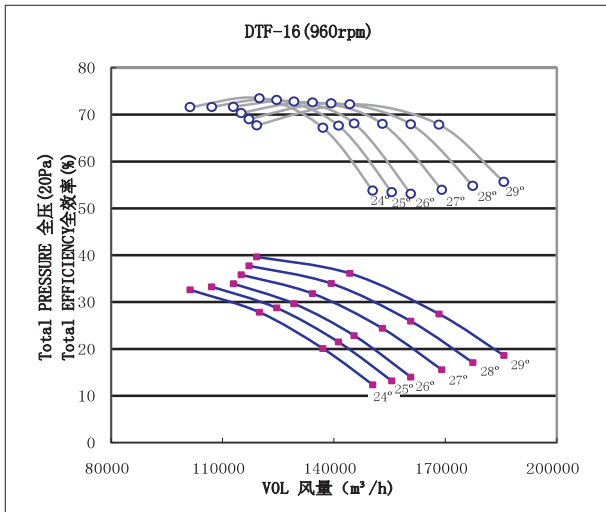
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

FEG 75

Performance Curves and Data of DTF-16 (H/S/V) – 6P Vane Axial Fan (without anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.



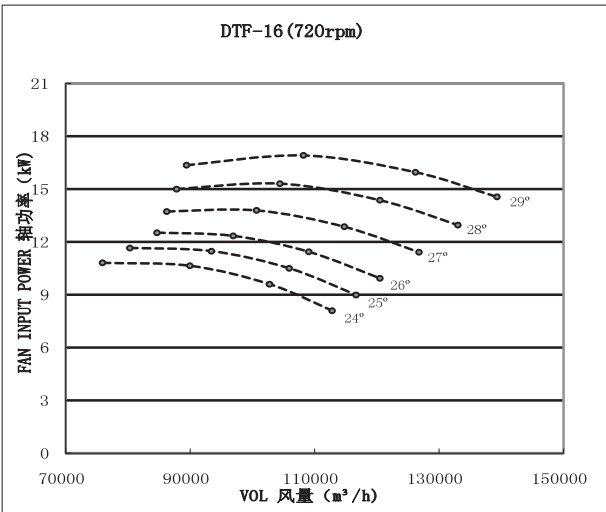
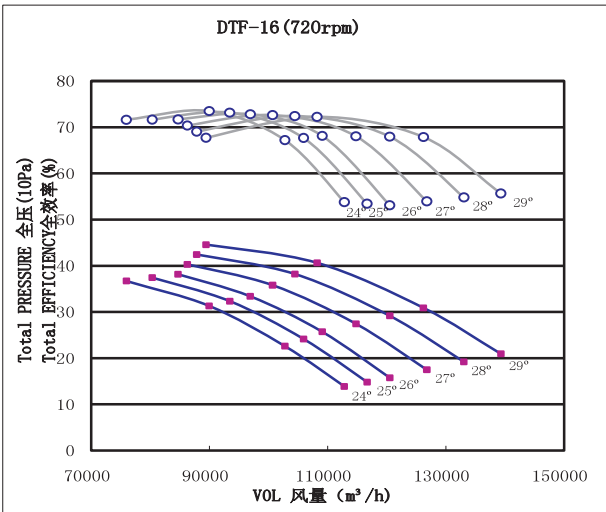
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

FEG 75

Performance Curves and Data of DTF-16 (H/S/V) – 8P Vane Axial Fan (without anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	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			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

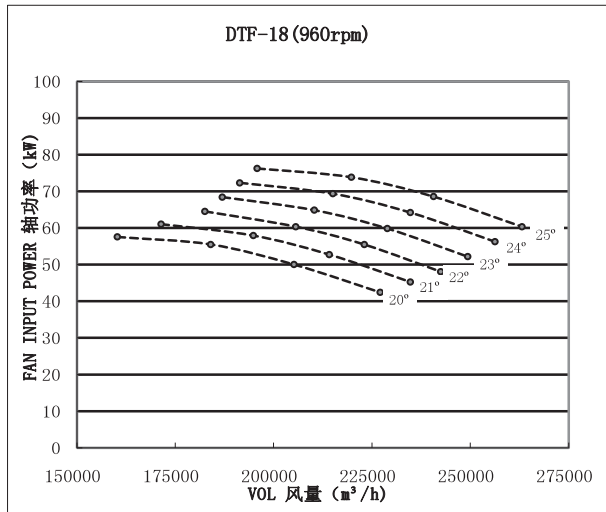
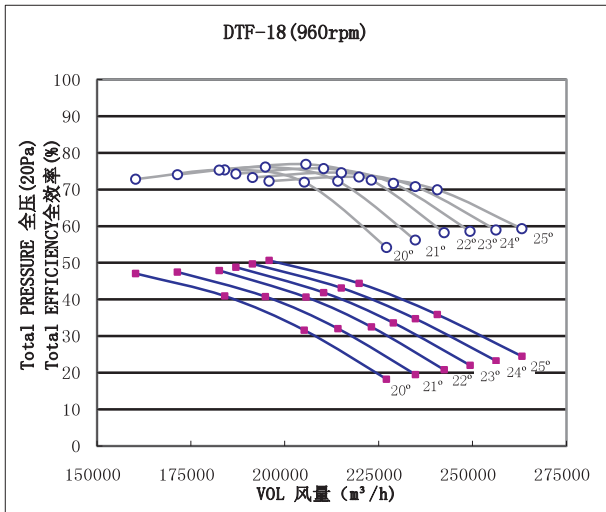
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

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Performance Curves and Data of DTF-18 (H/S/V) – 6P Vane Axial Fan (with anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
20°	1	205198	632	49.94	Y315S-6 75	121	1125	990	3384
	2	183997	820	55.41		119			
	3	160279	940	57.55		120			
21°	1	214129	639	52.58	Y315S-6 75	121	1125	990	3384
	2	194820	816	57.91		119			
	3	171413	948	60.87		120			
22°	1	223060	647	55.22	Y315M-6 90	121	1125	1050	3480
	2	205642	813	60.42		119			
	3	182546	955	64.20		120			
23°	1	228916	670	59.68	Y315M-6 90	124	1125	1050	3480
	2	210355	838	64.85		122			
	3	186970	976	68.19		123			
24°	1	234771	692	64.15	Y315M-6 90	126	1125	1050	3480
	2	215069	863	69.28		125			
	3	191393	996	72.19		126			
25°	1	240626	715	68.61	Y315M-6 90	128	1125	1050	3480
	2	219782	888	73.71		128			
	3	195817	1016	76.19		128			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

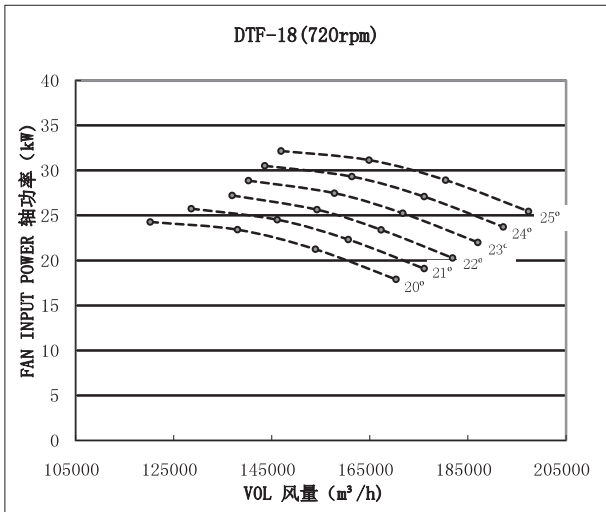
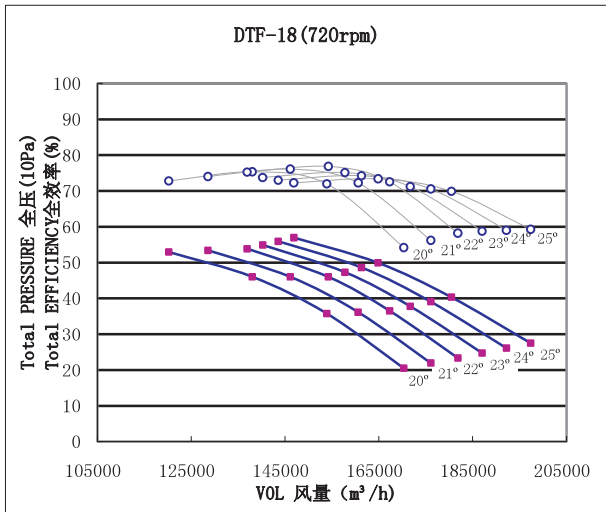
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

FEG 80

Performance Curves and Data of DTF-18 (H/S/V) – 8P Vane Axial Fan (with anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels,

referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

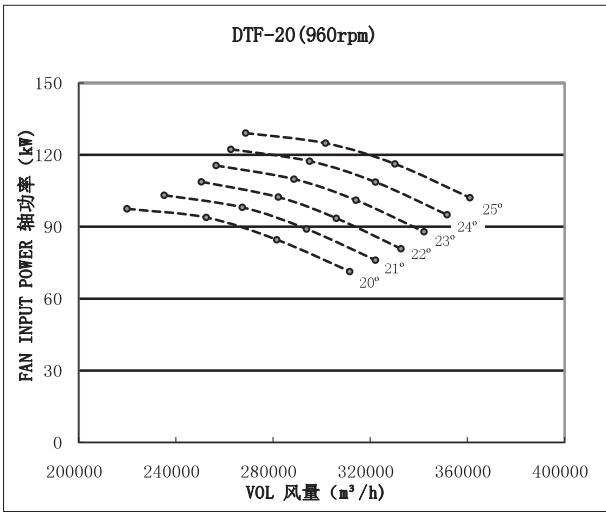
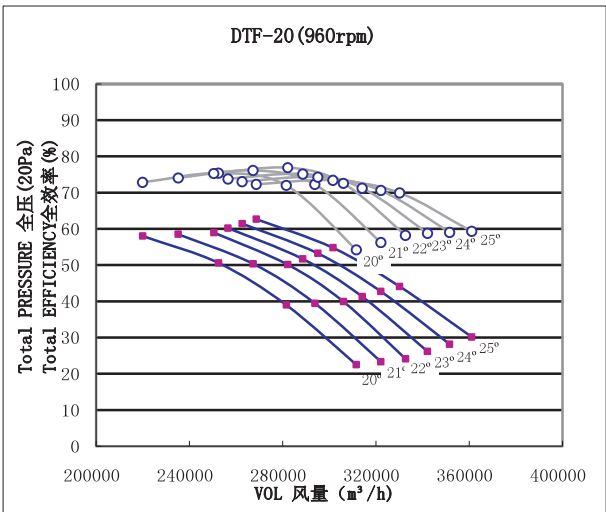
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

FEG 80

Performance Curves and Data of DTF-20 (H/S/V) – 6P Vane Axial Fan (with anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	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			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels,

referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

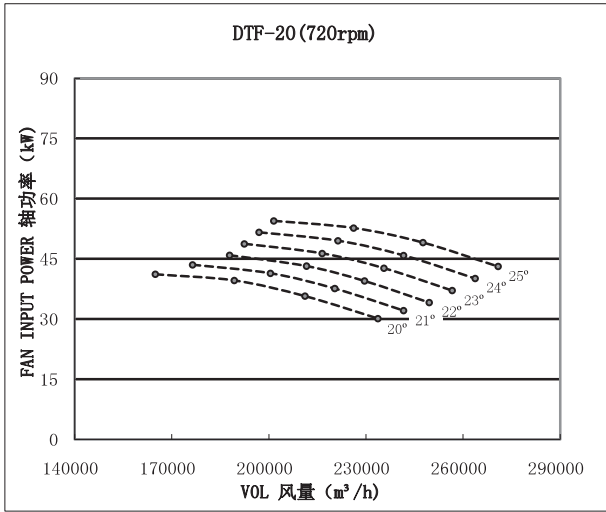
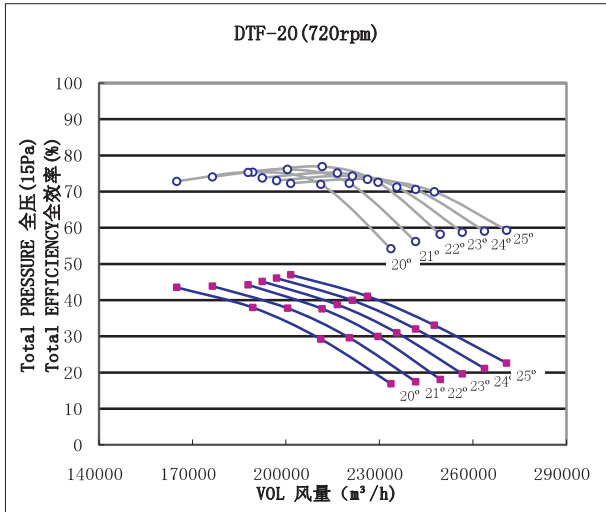
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

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

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Performance Curves and Data of DTF-20 (H/S/V) – 8P Vane Axial Fan (with anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	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			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

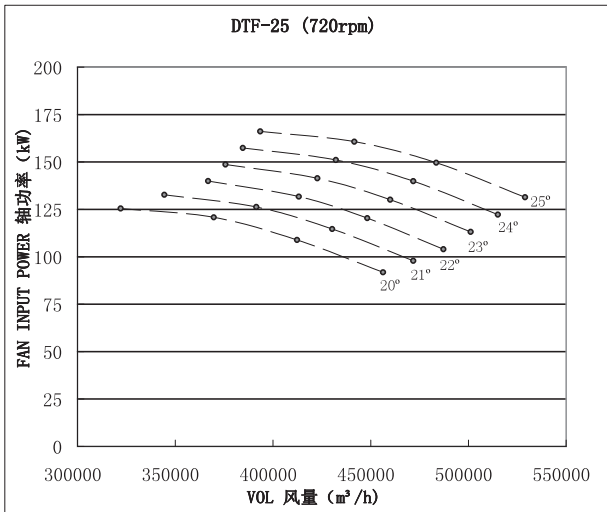
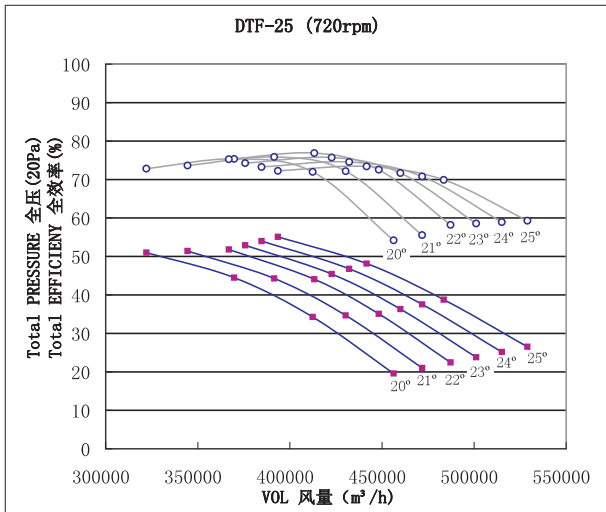
DTF 系列轴流通风机性能曲线图、参数表

Performance Curves and Data of DTF Vane Axial Fan

DTF-25(H/S/V) – 8P 轴流通风机性能曲线、参数表（带防喘圈）

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Performance Curves and Data of DTF-25 (H/S/V) – 8P Vane Axial Fan (with anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
20°	1	412321	686	108.88	Y355M-8 160	124	3350	1900	8400
	2	369722	890	120.80		123			
	3	322063	1020	125.48		124			
21°	1	430268	694	114.64	Y355M-8 160	125	3350	1900	8400
	2	391468	886	126.27		123			
	3	344435	1029	132.73		123			
22°	1	448214	702	120.40	Y355L1-8 185	125	3350	2100	8720
	2	413214	882	131.74		123			
	3	366806	1037	139.97		124			
23°	1	459980	727	130.13	Y355L1-8 185	127	3350	2100	8720
	2	422685	909	141.39		126			
	3	375694	1059	148.68		126			
24°	1	471746	751	139.86	Y355L1-8 185	130	3350	2100	8720
	2	432156	936	151.05		129			
	3	384583	1080	157.40		129			
25°	1	483512	776	149.60	Y355L2-8 200	132	3350	2180	8848
	2	441627	963	160.71		132			
	3	393472	1102	166.11		132			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

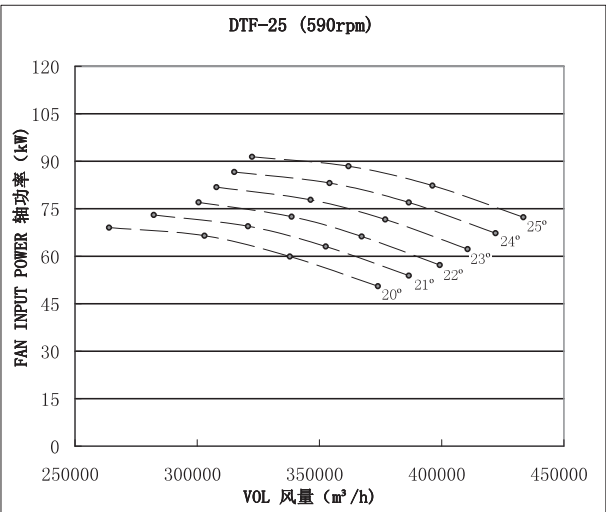
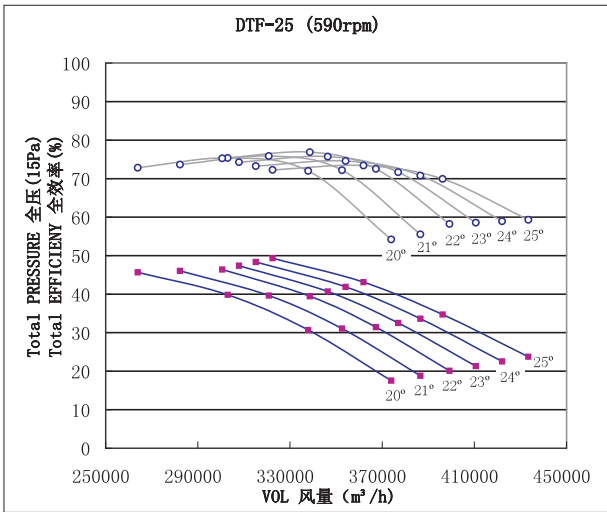


DTF 系列轴流通风机性能曲线图、参数表 Performance Curves and Data of DTF Vane Axial Fan

DTF-25(H/S/V) – 10P 轴流通风机性能曲线、参数表（带防喘圈）

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Performance Curves and Data of DTF-25 (H/S/V) – 10P Vane Axial Fan (with anti-stall 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 Size Power (kW)	总声 功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
20°	1	337875	460	59.91	Y315L2-10 90	120	3350	1500	7760
	2	302967	597	66.47		118			
	3	263913	685	69.05		118			
21°	1	352581	466	63.08	Y315L2-10 90	120	3350	1500	7760
	2	320786	595	69.48		118			
	3	282245	691	73.03		119			
22°	1	367287	471	66.25	Y315L2-10 90	120	3350	1500	7760
	2	338606	592	72.49		118			
	3	300577	696	77.02		119			
23°	1	376928	488	71.60	Y355M1-10 110	123	3350	1720	8112
	2	346367	610	77.80		121			
	3	307861	711	81.81		122			
24°	1	386570	504	76.96	Y355M1-10 110	125	3350	1720	8112
	2	354128	629	83.12		124			
	3	315145	725	86.61		124			
25°	1	396211	521	82.32	Y355M1-10 110	127	3350	1720	8112
	2	361889	647	88.43		127			
	3	322429	740	91.40		127			

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<sup>-12</sup>瓦，按照AMCA International 标准301计算。

Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

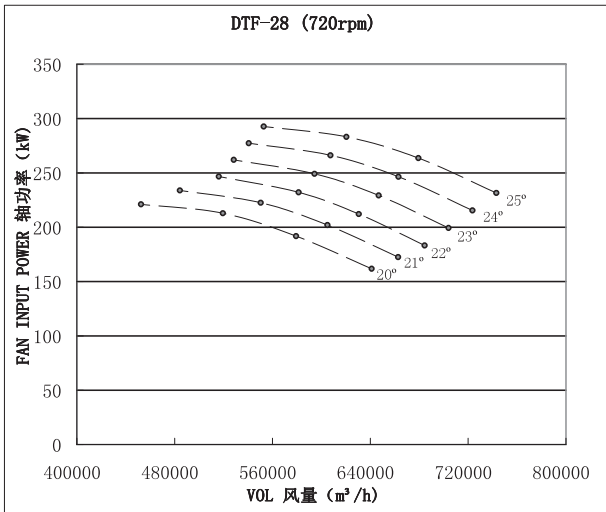
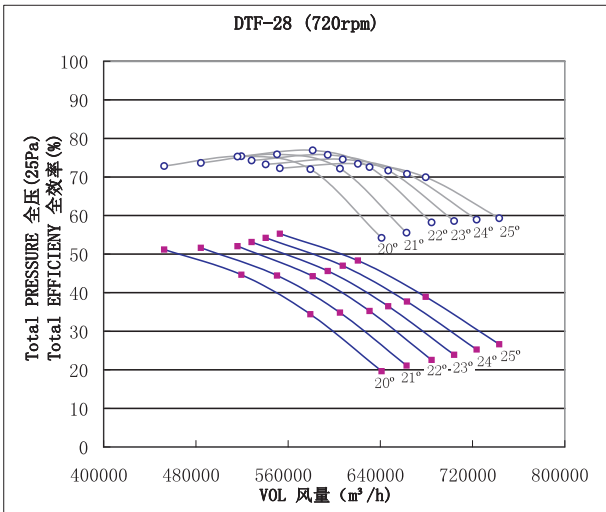
Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

DTF 系列轴流通风机性能曲线图、参数表 Performance Curves and Data of DTF Vane Axial Fan

DTF-28(H/S/V) – 8P 轴流通风机性能曲线、参数表（带防喘圈）

FEG 80

Performance Curves and Data of DTF-28 (H/S/V) – 8P Vane Axial Fan (with anti-stall 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 Size Power (kW)	总声 功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
20°	1	579282	860	191.88	Y400M-8 280	128	4150	1900	9680
	2	519433	1116	212.89		126			
	3	452476	1280	221.14		127			
21°	1	604942	871	202.03	Y400M-8 280	128	4150	1900	9680
	2	550397	1112	222.53		126			
	3	484272	1291	233.91		127			
22°	1	630603	881	212.18	Y400L-8 315	128	4150	3180	11728
	2	581361	1107	232.16		126			
	3	516067	1302	246.67		127			
23°	1	646835	912	229.33	Y400L-8 315	131	4150	3180	11728
	2	594392	1141	249.18		129			
	3	528311	1329	262.03		130			
24°	1	663067	942	246.49	Y450-8 355	133	4150	3290	11904
	2	607423	1175	266.20		132			
	3	540556	1356	277.38		133			
25°	1	679299	973	263.64	Y450-8 355	135	4150	3290	11904
	2	620454	1208	283.23		135			
	3	552800	1382	292.74		135			

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Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

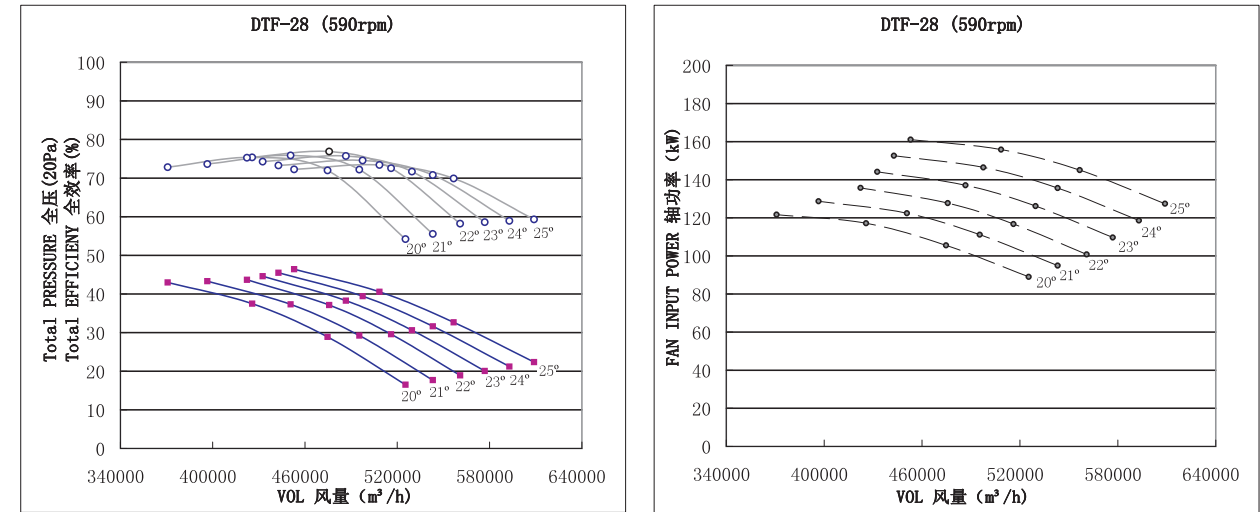
Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.



DTF 系列轴流通风机性能曲线图、参数表 Performance Curves and Data of DTF Vane Axial Fan

DTF-28(H/S/V) – 10P 轴流通风机性能曲线、参数表（带防喘圈） FEG 80

Performance Curves and Data of DTF-28 (H/S/V) – 10P Vane Axial Fan (with anti-stall 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 Size Power (kW)	总声功率级 Sound Power Level (dB)	重量Weight(kg)		
							风机 Fan excl. motor	电机 motor	运行时 Operating
20°	1	474689	578	105.58	Y355L1-10 160	123	4150	1880	9648
	2	425647	749	117.15		122			
	3	370779	860	121.68		122			
21°	1	495350	584	111.17	Y355L1-10 160	123	4150	1880	9648
	2	450682	746	122.45		122			
	3	396534	866	128.71		122			
22°	1	516011	591	116.75	Y355L1-10 160	124	4150	1880	9648
	2	475717	743	127.75		121			
	3	422289	873	135.73		122			
23°	1	529557	612	126.19	Y355L2-10 185	126	3350	2255	8968
	2	486621	766	137.11		124			
	3	432522	892	144.18		125			
24°	1	543103	633	135.63	Y355L2-10 185	128	3350	2255	8968
	2	497524	788	146.48		128			
	3	442756	910	152.63		128			
25°	1	556648	653	145.07	Y400M-10 200	131	3350	2365	9144
	2	508428	811	155.84		131			
	3	452989	928	161.08		131			

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Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type A- Free inlet , Free outlet.

Values shown are for outlet Lwo sound. power levels for installation type A:Freeinlet, Free outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.