



# 绍兴 上虞通风机有限公司

SHAOXING SHANGYU VENTILATION MACHINERY CO.,LTD.

DTF(R)系列可逆转地铁隧道轴流通风机

DTF(R) Reversible Series Axial Fan For Metro And Tunnel



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2020年12月印刷  
December 2020.

ISO 9001 质量管理体系认证  
ISO 14001 环境管理体系认证  
ISO 45001 职业健康安全管理体系认证





## 关于我们

绍兴上虞通风机有限公司是专业生产民用风机，空调风机及风机配件的生产企业。公司坐落于浙江上虞。公司创建于1988年，经过三十年发展，公司从无到有，慢慢积累，不断地引进先进设备，工艺创新，完善检测，现已成为上虞风机行业中的一颗新星。

在过去的发展历程中，我们看到了风机行业在国内遍地开花，但整体的工艺制造水平和国外有相当大的差距。作为一名风机人，明显感到了我们的不足。粗制滥造的时代已经过去，未来的竞争就是品质的竞争、细节的竞争、性能的竞争。故公司在2014年投入设备一千多万引进大型生产检测设备，如转塔冲床，激光切割机，高速冲床，标准实验室，及一系列的工装夹具和级进模。同时也对员工进行定期地培训，实行5s化管理。公司现已具备5万台前倾式，后倾式离心空调风机及5万套民用风机配件的生产能力。

公司寄语：山不在高，有仙则灵。产品不在多，做精则行。我们会把：诚信、责任，作为公司发展的宗旨，为我们的中国制造出一份绵薄之力。

## About us

Shaoxing Shangyu Ventilation Machinery Co.,Ltd., is a professional manufacturer of civil fan air conditioning fan and other fan accessories. The company is located in Shangyu, Zhejiang Province. Since 1988, we have become one new start in the fan industry in shangyu through hard working, advance equipment, technology innovation and strict detecting system.

In the last few years, we found the fan industry has a great development in China, but still has a big gap compared with those overseas. As a professional fan manufacturer, we know that the quality, the details, the performance will be very important. So in 2014, we cost about ten million to brought in large production and detecting equipment. We also train the workers regularly at the same time. Now we have a production capacity of fifty thousand front and back tilting centrifugal air condition fans and fifty thousand civil fan accessories.

All in all, our purpose is honesty and responsibility.





ISO9001认证企业 国家消防产品认证企业  
中国风机行业协会会员 全国工业产品生产许可证企业

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技术说明  
Technical description



绍兴上虞通风机有限公司特此证明，此处所示DTF（R）系列轴流风机获得了加盖AMCA印章的授权。所示额定值系根据AMCA出版物211和AMCA出版物311所进行测试和程序确定，并符合AMCA认证额定值计划的要求。

Shaoxing Shangyu Fan Co., Ltd. certifies that the DTF (R) series axial flow fans 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.



ISO9001认证企业 国家消防产品认证企业  
中国风机行业协会会员 全国工业产品生产许可证企业

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## 一 产品概述Product Overview

DTF (R) 系列是一款采用国内外先进理念及技术而进行研发的可逆转地铁轴流风机。它能满足280℃高温条件下连续运行60分钟，并已通过国家消防装备质量监督检验中心检测，获得CCC强制认证，可以满足送风/排风（排烟）的要求。

DTF (R) series is a reversible subway axial flow fan developed with advanced concepts and technologies at home and abroad. It can run continuously for 60 minutes at a high temperature of 280℃, and has passed the inspection of the National Fire equipment quality Supervision and Inspection Center, obtained CCC compulsory certification, and can meet the requirements of air supply / exhaust (smoke exhaust).



## 二 产品结构形式Structure form of Product

1. 风机由机壳、导流器、叶轮、电机、支架、减震器等部件组成。风机采用直接驱动。接线盒设在机壳外侧，风机轴承注排油孔与接线盒同侧安装。根据安装位置确定风机的左式或右式（顺正转气流方向看，接线盒在机壳左侧为左式，反之为右式）。除风机本体外，还可以根据客户要求提供配套的防喘振装置、软接、扩散筒、减振器、集流器、防护网等。

The fan is composed of housing, guide, impeller, motor, bracket, shock absorber and other components. The fan is directly driven. The junction box is located on the outside of the housing, and the fan bearing oil injection and discharge hole is installed on the same side as the junction box. Determine the left or right type of the fan according to the installation position (in the direction of positive airflow, the junction box is left on the left side of the housing, and vice versa). In addition to the fan body, we can also provide matching anti-surge devices, soft connections, diffusion cylinders, shock absorbers, current collectors, protective nets and so on according to customer requirements.

2. 风机采用风冷鼠笼式全封闭湿热型电动机，电机绝缘等级不低于F级，有耐高温要求的为H级，防护等级不低于IP55，电机轴承采用NSK或SKF轴承，保证运行时间不低于20000小时。电机可根据客户要求增加绕组测温、轴承测温、轴承测震等装置，也可根据要求配置变频电机。

The fan adopts air-cooled squirrel cage fully enclosed wet-hot motor, the insulation level of the motor is not lower than F class, the requirement of high temperature resistance is H class, and the protection grade is not lower than IP55, motor bearings using NSK or SKF bearings to ensure that the running time is not less than 20000 hours. The motor can be equipped with winding temperature measurement, bearing temperature measurement, bearing seismic measurement and other devices according to customer requirements and the frequency conversion motor can also be configured according to the requirements.

3. 风机叶轮由叶片和轮毂采用高强度螺栓紧固组装而成，叶片静态可调。叶片、轮毂均采用高强度铝合金压铸成型，毛坯经X射线无损探伤、时效处理、拉伸试验后再经金加工和动静平衡校验合格后方可组装。

The fan impeller is made of blades and hubs fastened and assembled with high-strength bolts, and the blades are statically adjustable. The blades and wheels are formed by high-strength aluminum alloy die-casting, and the blank can be assembled after X-ray nondestructive testing, aging treatment and tensile test.

4. 导流罩采用铝合金板拉伸成抛物线形，与轮毂采用螺栓静态安装。

The guide cover is made of aluminum alloy plate stretched into a parabolic money shape, and the hub is statically installed with bolts.

## 三 产品特点Product characteristics

● 采用先进的动力学设计技术，通过计算机模拟地铁隧道环境仿真设计，多次反复试验验证，具有正反转效率高的特点。

The advanced dynamic design technology is adopted, and the environmental simulation design of subway tunnel is simulated by computer, which is verified by repeated experiments, which has the characteristics of high forward and reverse efficiency.

● 在结构设计上采用静叶与动叶互为质数，降低了干涉噪声；

In the structural design, the static blade and the moving blade are used as prime numbers to reduce the interference noise.

● 根据地铁隧道的使用要求，采用280℃/h耐高温电机（国家标准耐温250℃/h），保证风机在高温下能正常连续运行。

According to the operation requirements of subway tunnel, 280℃ /h high temperature resistant motor (the national standard temperature resistant ℃/h) is adopted to ensure the normal and continuous operation of the fan at high temperature.

● 风机叶轮采用铝合金材料，表面阳极化处理，具有极强的抗腐蚀性。

The fan impeller is made of aluminum alloy and its surface is anodized with strong corrosion resistance.

● 风机叶片、轮毂采用高强度铝合金压铸成形，经X射线探伤、热处理、拉伸试验，充分保证了风机运行的可靠性。

The fan blade and hub are formed by high-strength aluminum alloy die-casting, and the reliability of fan operation is fully ensured by X-ray flaw detection, heat treatment and tensile test.

● 通过控制叶轮的重量，降低风机的转动惯量，保证风机在15s内正常启动，45s内完成风机的正反转切换。

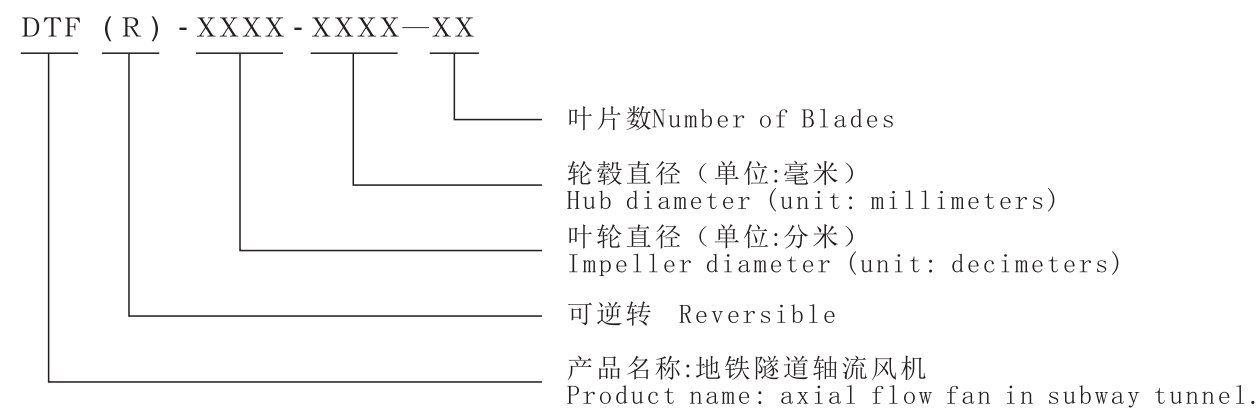
By controlling the weight of the impeller, the moment of inertia of the fan is reduced to ensure that the fan starts normally within 15s, and the positive and reverse switching of the fan is completed within 45s.

● 叶轮各部件通过先进的加工设备配以精密的加工工序，再经静、动平衡校验使平衡精度达到G2.5，降低叶轮的残余不平衡量，减少了由转动件引起的震动。配以优质钢板加工成的机壳使风机整机振动≤4.6mm/s。

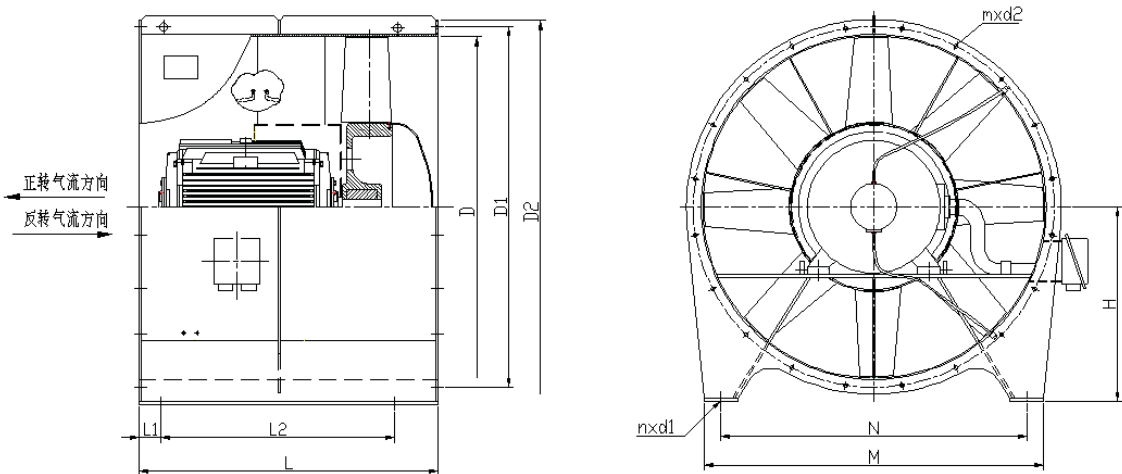


The components of the impeller are equipped with precision machining procedures through advanced processing equipment, and then the balance accuracy reaches G2.5 through static and dynamic balance check, which reduces the residual unbalance of the impeller and reduces the vibration caused by rotating parts. Equipped with the shell made of high quality steel plate, the vibration of the whole fan machine is  $\leq 4.6\text{mm/s}$ .

四 产品型号说明Description of Product model



五 产品外形图和外形尺寸The appearance and dimensions of products.



注：反转气流方向的性能没有获得AMCA认证。  
Note: Performance for reverse flow direction are not certified by AMCA International.

外形尺寸表（单位：mm）  
Table of boundary dimensions (unit: mm)

型号Type	D	D1	D2	L1	L2	L	N	M	H	n×d1	m×d2
DTF(R)-12.5-620-8	1260	1330	1380	100	920	1250	1130	1250	715	4×φ16	20×φ14
DTF(R)-14-694-8	1411.2	1480	1540	120	1150	1550	1280	1400	800	4×φ16	20×φ14
DTF(R)-15-744-8	1512	1580	1640	135	1150	1600	1380	1500	850	4×φ18	24×φ18
DTF(R)-16-749-8	1612.8	1690	1758	135	1150	1600	1480	1600	910	4×φ18	24×φ18
DTF(R)-18-892-8	1814.4	1890	1960	150	1180	1650	1620	1800	1010	4×φ18	24×φ18
DTF(R)-20-992-8	2016	2110	2180	150	1200	1650	1820	2000	1120	4×φ20	24×φ18
DTF(R)-22-1092-8	2217.6	2310	2380	185	1280	1780	2020	2200	1220	4×φ20	28×φ18
DTF(R)-23-1140-8	2318.4	2410	2480	200	1360	1880	2120	2300	1290	4×φ20	32×φ18
DTF(R)-24-1190-8	2419.2	2510	2580	200	1480	2000	2180	2400	1340	4×φ22	32×φ18
DTF(R)-25-1240-8	2520	2620	2720	215	1520	2050	2250	2500	1430	4×φ22	32×φ18
DTF(R)-26-1290-8	2620.8	2750	2850	215	1650	2180	2350	2600	1510	4×φ22	40×φ22
DTF(R)-28-1388-8	2822.4	2950	3050	225	1650	2180	2550	2800	1610	4×φ24	40×φ22

注：上表外形尺寸根据通风系统(客户)的要求可适当缩短或伸长。  
Note: the external dimensions of the above table can be shortened or extended according to the requirements of the root ventilation system (customer).



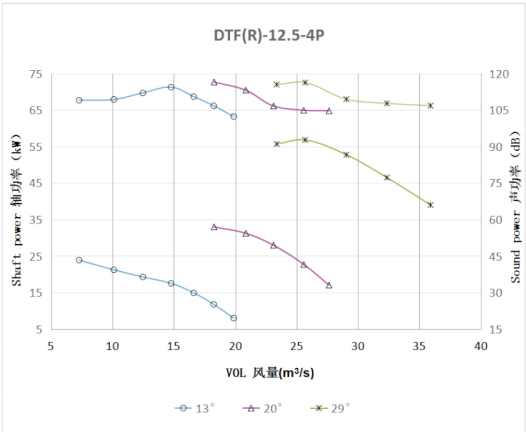
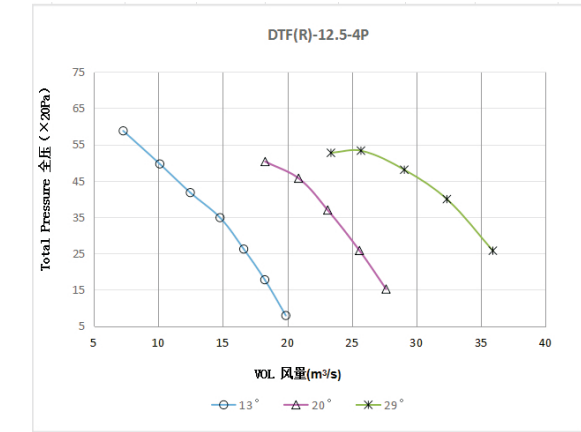
六 产品性能曲线及参数表

Performance curve and parameter table of products.

DTF(R)-12.5-620-8 (4P)正转性能曲线、参数表（无防喘振）

FEG63

DTF(R)-12.5-620-8 (4P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	19.874	158	7.959	1480	102
	2	18.244	355	11.749	1480	107
	3	16.615	524	14.881	1480	110
	4	14.779	697	17.483	1480	114
	5	12.477	835	19.250	1480	112
	6	10.112	993	21.199	1480	109
	7	7.279	1175	23.857	1480	109
20°	1	27.640	304	17.002	1480	105
	2	25.579	516	22.666	1480	105
	3	23.116	739	27.922	1480	107
	4	20.861	914	31.192	1480	113
	5	18.273	1006	32.952	1480	116
29°	1	35.908	515	38.957	1480	107
	2	32.348	799	46.467	1480	108
	3	29.051	961	52.717	1480	109
	4	25.693	1066	56.784	1480	116
	5	23.369	1054	55.664	1480	115

注：

1. 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A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D—管道入口，管道出口的声功率级（入口LwIA）。额定值包括管道端部校正影响。
2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。

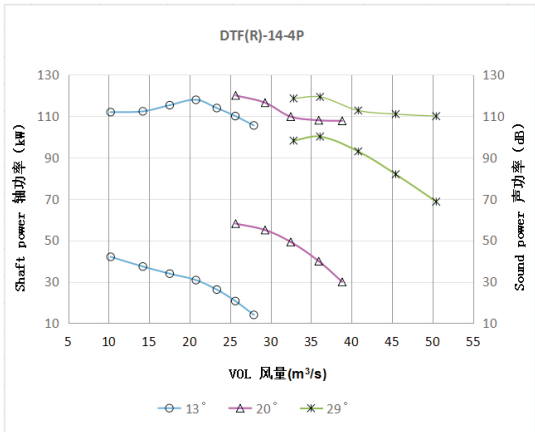
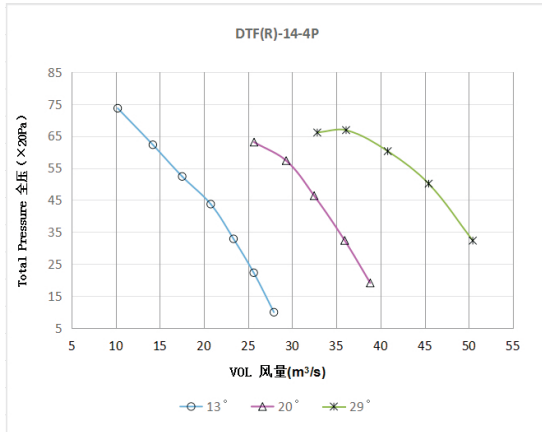
— Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D - Ducted inlet, Ducted outlet. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for (inlet LwIA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.

DTF(R)-14-694-8 (4P)正转性能曲线、参数表（无防喘振）

FEG63

DTF(R)-14-694-8 (4P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	27.922	198	14.026	1480	105
	2	25.632	445	20.706	1480	110
	3	23.343	657	26.225	1480	114
	4	20.763	874	30.811	1480	118
	5	17.529	1047	33.925	1480	115
	6	14.207	1246	37.360	1480	112
	7	10.226	1474	42.044	1480	112
20°	1	38.832	381	29.963	1480	108
	2	35.937	647	39.945	1480	108
	3	32.476	927	49.208	1480	110
	4	29.308	1147	54.971	1480	116
	5	25.672	1262	58.073	1480	120
29°	1	50.448	646	68.656	1480	110
	2	45.447	1002	81.891	1480	111
	3	40.815	1205	92.905	1480	113
	4	36.097	1337	100.073	1480	119
	5	32.832	1322	98.099	1480	118

注：

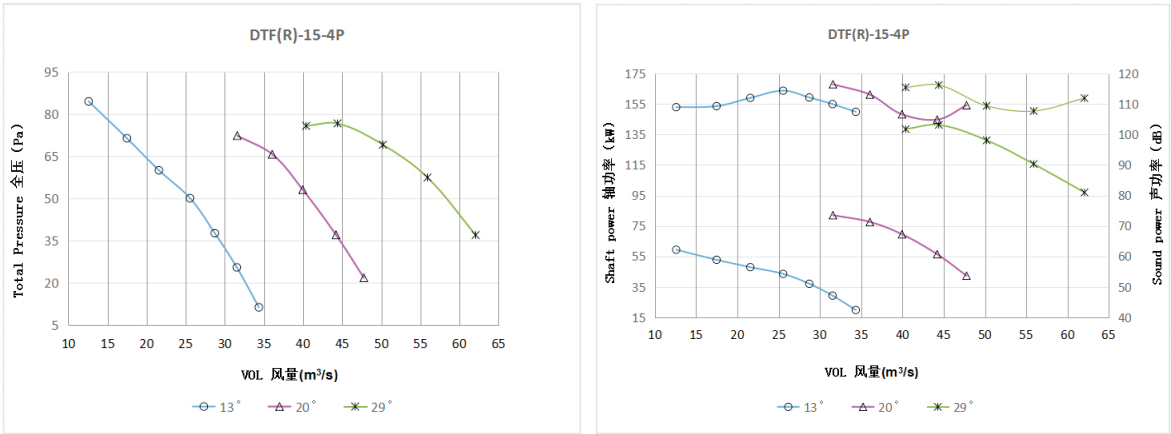
1. 各项性能额定值不包括附属物（附件）的影响。经认证的性能是D类安装—管道入口，管道出口。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D—管道入口，管道出口的声功率级（入口LwIA）。额定值包括管道端部校正影响。
2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。

— Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D - Ducted inlet, Ducted outlet. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for (inlet LwIA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.



DTF(R)-15-744-8 (4P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-15-744-8 (4P) Forward Flow Performance curve、parameter table (no anti-surge)

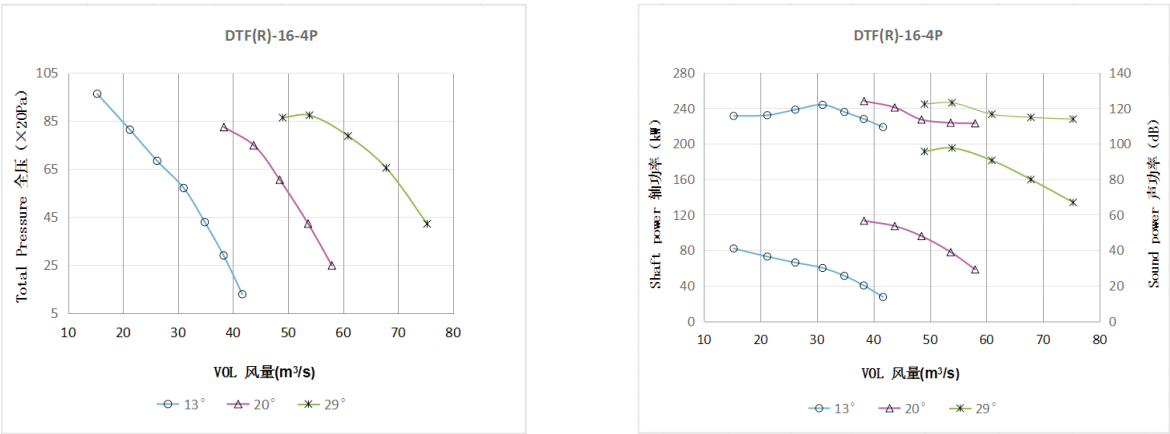


安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	34.342	228	19.805	1480	107
	2	31.526	511	29.235	1480	110
	3	28.711	755	37.029	1480	112
	4	25.538	1004	43.503	1480	114
	5	21.560	1202	47.900	1480	112
	6	17.474	1430	52.750	1480	109
	7	12.578	1692	59.364	1480	109
20°	1	47.762	438	42.306	1480	110
	2	44.201	743	56.400	1480	105
	3	39.944	1064	69.479	1480	107
	4	36.048	1316	77.616	1480	113
	5	31.576	1449	81.995	1480	116
29°	1	62.049	742	96.937	1480	112
	2	55.897	1151	115.625	1480	108
	3	50.200	1384	131.177	1480	109
	4	44.398	1535	141.297	1480	116
	5	40.382	1518	138.510	1480	115

注：

- 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A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D-管道入口，管道出口的声功率级（入口LwIA）。额定值包括管道端部校正影响。
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— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.

DTF(R)-16-794-8 (4P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-16-794-8 (4P) Forward Flow Performance curve、parameter table (no anti-surge)

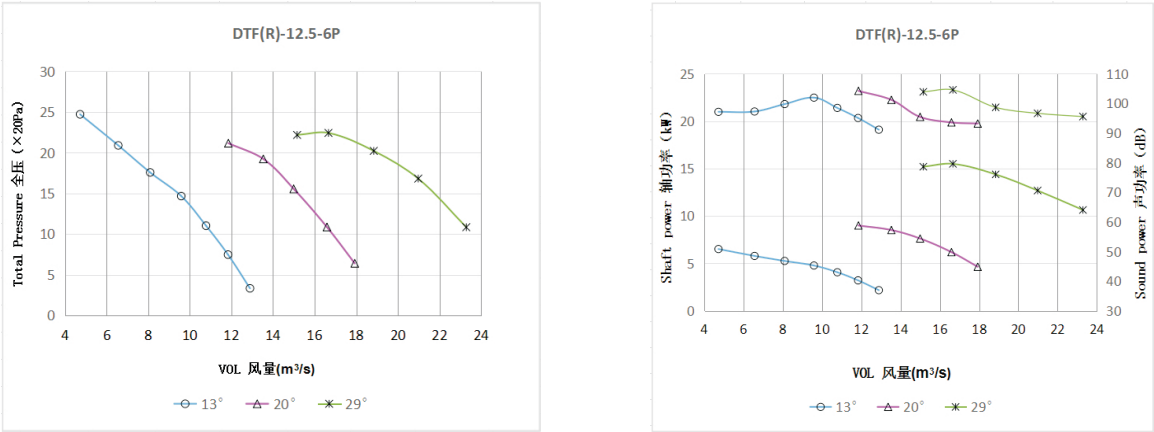


安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	41.679	259	27.347	1480	109
	2	38.260	582	40.369	1480	114
	3	34.844	859	51.131	1480	118
	4	30.994	1142	60.071	1480	122
	5	26.166	1368	66.142	1480	119
	6	21.206	1627	72.839	1480	116
	7	15.265	1925	81.972	1480	116
20°	1	57.965	498	58.418	1480	111
	2	53.643	845	77.880	1480	112
	3	48.478	1211	95.939	1480	114
	4	43.749	1497	107.175	1480	120
	5	38.321	1648	113.222	1480	124
29°	1	75.305	844	133.855	1480	114
	2	67.839	1309	159.659	1480	115
	3	60.924	1575	181.134	1480	117
	4	53.882	1747	195.108	1480	123
	5	49.008	1727	191.260	1480	122

注：

- 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A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D-管道入口，管道出口的声功率级（入口LwIA）。额定值包括管道端部校正影响。
- 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。  
— Performance ratings do not include the effects of appurtenances (accessories).Performance certified is for installation type D - Ducted inlet, Ducted outlet.The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.Values shown are for (inlet LwiA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.  
— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.

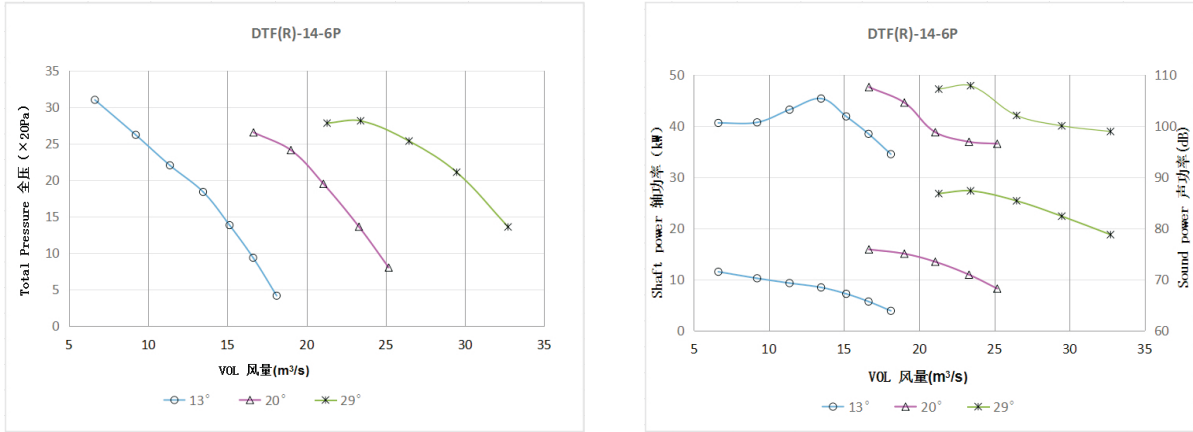
DTF(R)-12.5-620-8 (6P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-12.5-620-8 (6P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	12.891	66	2.172	960	91
	2	11.834	149	3.206	960	95
	3	10.777	220	4.061	960	98
	4	9.586	293	4.771	960	102
	5	8.093	351	5.254	960	100
	6	6.559	418	5.786	960	97
	7	4.722	494	6.511	960	97
20°	1	17.929	128	4.640	960	93
	2	16.592	217	6.186	960	94
	3	14.994	311	7.620	960	95
	4	13.531	385	8.513	960	101
	5	11.853	423	8.993	960	104
29°	1	23.292	217	10.632	960	96
	2	20.982	336	12.682	960	97
	3	18.844	404	14.387	960	99
	4	16.666	449	15.497	960	105
	5	15.158	443	15.192	960	104

注：  
1. 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A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D-管道入口，管道出口的声功率级（入口LwIA）。额定值包括管道端部校正影响。  
2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。  
— Performance ratings do not include the effects of appurtenances (accessories).Performance certified is for installation type D - Ducted inlet, Ducted outlet.The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.Values shown are for (inlet LwiA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.  
— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.

DTF(R)-14-694-8 (6P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-14-694-8 (6P) Forward Flow Performance curve、parameter table (no anti-surge)

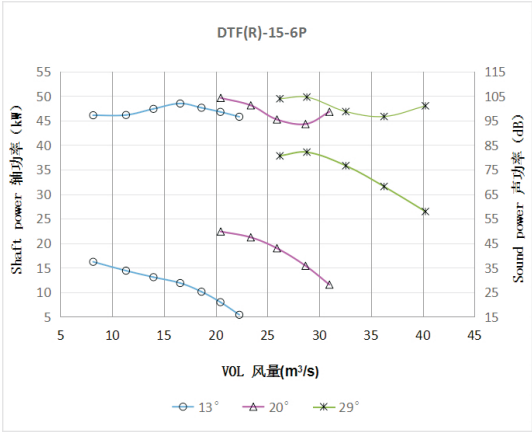
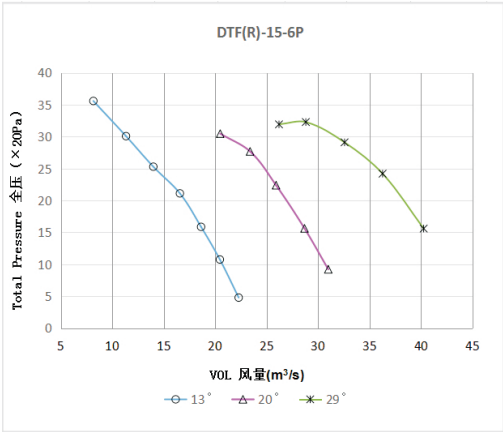


安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	18.111	83	3.828	960	94
	2	16.626	187	5.651	960	98
	3	15.141	277	7.157	960	102
	4	13.468	368	8.409	960	105
	5	11.370	441	9.259	960	103
	6	9.215	524	10.196	960	101
	7	6.633	620	11.475	960	101
20°	1	25.188	160	8.177	960	97
	2	23.310	272	10.902	960	97
	3	21.066	390	13.430	960	99
	4	19.011	482	15.002	960	105
	5	16.652	531	15.849	960	108
29°	1	32.723	272	18.737	960	99
	2	29.479	422	22.349	960	100
	3	26.474	507	25.355	960	102
	4	23.414	563	27.311	960	108
	5	21.296	556	26.773	960	107

注：  
1. 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A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D-管道入口，管道出口的声功率级（入口LwIA）。额定值包括管道端部校正影响。  
2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。  
— Performance ratings do not include the effects of appurtenances (accessories).Performance certified is for installation type D - Ducted inlet, Ducted outlet.The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.Values shown are for (inlet LwiA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.  
— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.



DTF(R)-15-744-8 (6P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-15-744-8 (6P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	22.276	96	5.405	960	97
	2	20.449	215	7.979	960	99
	3	18.623	317	10.106	960	100
	4	16.565	422	11.873	960	102
	5	13.985	506	13.073	960	100
	6	11.334	602	14.396	960	97
	7	8.159	712	16.201	960	97
20°	1	30.981	184	11.546	960	99
	2	28.671	313	15.393	960	94
	3	25.910	448	18.962	960	95
	4	23.382	554	21.183	960	101
	5	20.482	610	22.378	960	104
29°	1	40.248	312	26.456	960	101
	2	36.258	484	31.556	960	97
	3	32.562	582	35.800	960	99
	4	28.798	646	38.562	960	105
	5	26.193	639	37.802	960	104

注：

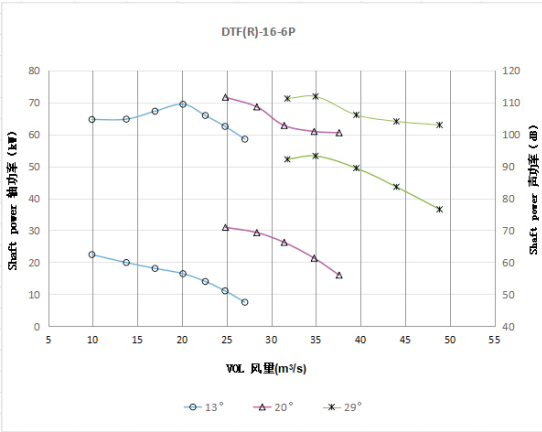
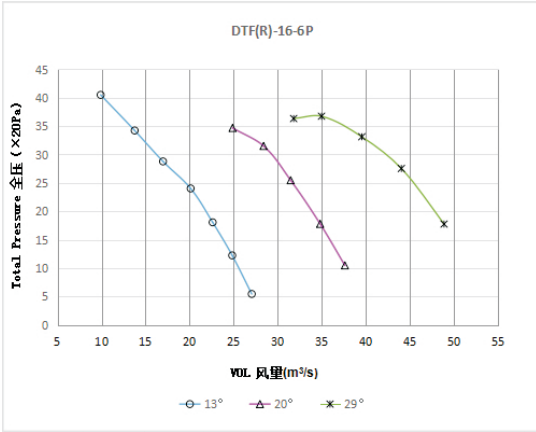
1. 各项性能额定值不包括附属物（附件）的影响。经认证的性能是D类安装—管道入口，管道出口。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D-管道入口，管道出口的声功率级（入口LwIA）。额定值包括管道端部校正影响。

2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。

— Performance ratings do not include the effects of appurtenances (accessories).Performance certified is for installation type D - Ducted inlet, Ducted outlet.The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.Values shown are for (inlet LwiA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.

DTF(R)-16-794-8 (6P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-16-794-8 (6P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	27.035	109	7.463	960	99
	2	24.818	245	11.017	960	102
	3	22.602	361	13.954	960	106
	4	20.104	480	16.394	960	109
	5	16.973	576	18.051	960	107
	6	13.756	685	19.879	960	105
	7	9.902	810	22.371	960	105
20°	1	37.599	210	15.943	960	101
	2	34.795	356	21.255	960	101
	3	31.445	509	26.183	960	103
	4	28.378	630	29.250	960	109
	5	24.857	693	30.900	960	112
29°	1	48.846	355	36.531	960	103
	2	44.003	551	43.574	960	104
	3	39.519	662	49.434	960	106
	4	34.951	735	53.248	960	112
	5	31.789	727	52.198	960	111

注：

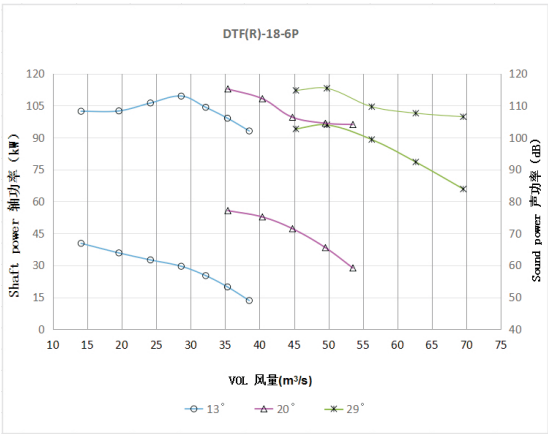
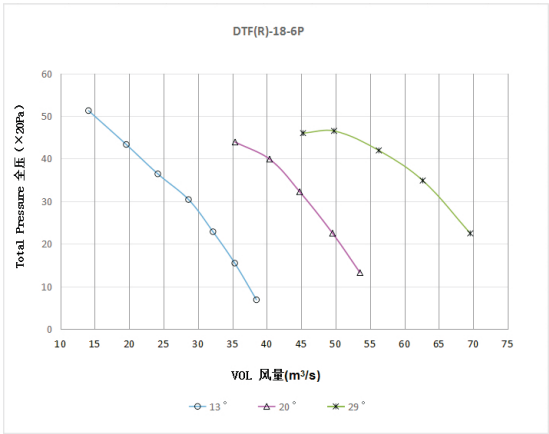
1. 各项性能额定值不包括附属物（附件）的影响。经认证的性能是D类安装—管道入口，管道出口。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D-管道入口，管道出口的声功率级（入口LwIA）。额定值包括管道端部校正影响。

2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。

— Performance ratings do not include the effects of appurtenances (accessories).Performance certified is for installation type D - Ducted inlet, Ducted outlet.The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.Values shown are for (inlet LwiA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.

DTF(R)-18-892-8 (6P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-18-892-8 (6P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	38.493	138	13.449	960	102
	2	35.336	310	19.854	960	106
	3	32.181	457	25.146	960	109
	4	28.625	608	29.543	960	113
	5	24.166	729	32.529	960	111
	6	19.585	866	35.823	960	108
	7	14.098	1025	40.314	960	108
20°	1	53.535	265	28.730	960	104
	2	49.543	450	38.302	960	104
	3	44.772	645	47.183	960	106
	4	40.405	797	52.709	960	112
	5	35.392	878	55.683	960	115
29°	1	69.549	449	65.830	960	107
	2	62.653	697	78.521	960	108
	3	56.268	838	89.082	960	110
	4	49.764	930	95.955	960	115
	5	45.262	920	94.062	960	115

注：

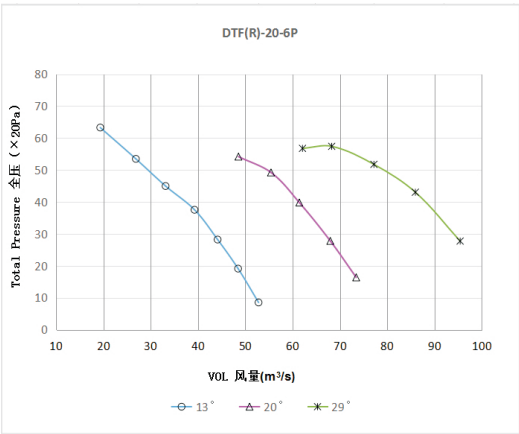
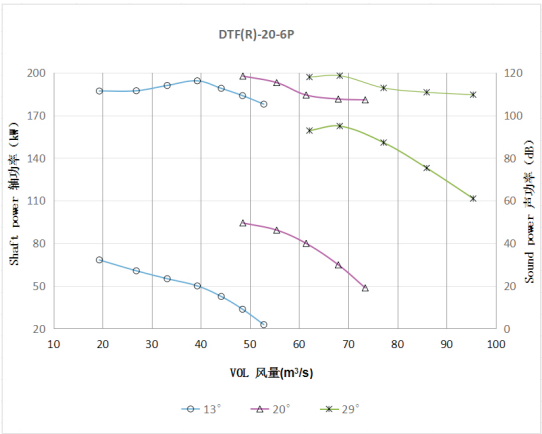
1. 各项性能额定值不包括附属物（附件）的影响。经认证的性能是D类安装一管道入口，管道出口。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D-管道入口，管道出口的声功率级（入口LwIA）。额定值包括管道端部校正影响。

2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。

— Performance ratings do not include the effects of appurtenances (accessories).Performance certified is for installation type D - Ducted inlet, Ducted outlet.The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.Values shown are for (inlet LwiA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.

DTF(R)-20-992-8 (6P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-20-992-8 (6P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	52.803	170	22.776	960	105
	2	48.472	382	33.622	960	109
	3	44.144	564	42.585	960	113
	4	39.266	751	50.032	960	116
	5	33.150	899	55.088	960	114
	6	26.866	1070	60.666	960	112
	7	19.339	1266	68.272	960	111
20°	1	73.436	327	48.655	960	107
	2	67.960	556	64.864	960	108
	3	61.416	796	79.905	960	110
	4	55.425	984	89.263	960	115
	5	48.549	1084	94.300	960	118
29°	1	95.403	555	111.484	960	110
	2	85.944	861	132.976	960	111
	3	77.185	1035	150.862	960	113
	4	68.263	1148	162.500	960	119
	5	62.088	1135	159.295	960	118

注：

1. 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类安装一管道入口，管道出口。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D-管道入口，管道出口的声功率级（入口LwiA）。额定值包括管道端部校正影响。

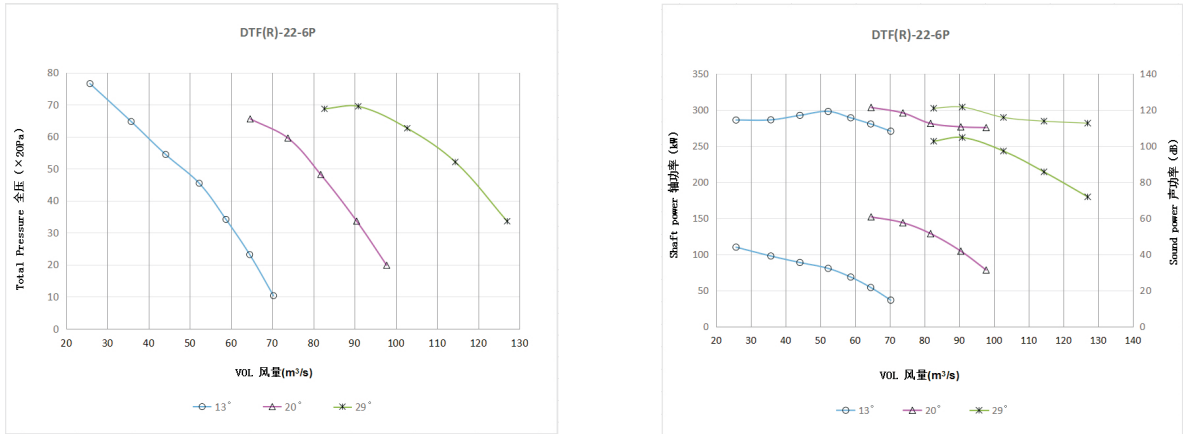
2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。

— Performance ratings do not include the effects of appurtenances (accessories).Performance certified is for installation type D - Ducted inlet, Ducted outlet.The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.Values shown are for (inlet LwiA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.



DTF(R)-22-1092-8 (6P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-22-1092-8 (6P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	70.280	206	36.682	960	108
	2	64.516	463	54.149	960	112
	3	58.755	683	68.584	960	116
	4	52.263	908	80.576	960	119
	5	44.122	1088	88.720	960	117
	6	35.759	1294	97.703	960	114
	7	25.741	1531	109.953	960	114
20°	1	97.743	396	78.360	960	110
	2	90.455	673	104.464	960	111
	3	81.745	963	128.688	960	112
	4	73.770	1191	143.759	960	118
	5	64.619	1311	151.871	960	121
29°	1	126.981	671	179.547	960	113
	2	114.392	1041	214.159	960	114
	3	102.733	1252	242.964	960	116
	4	90.858	1389	261.709	960	122
	5	82.639	1374	256.547	960	121

注：

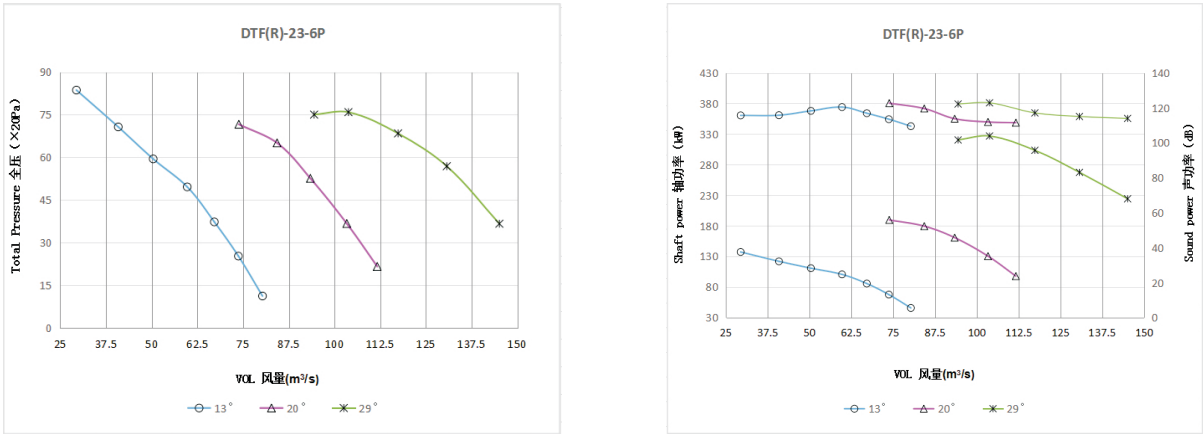
1. 各项性能额定值不包括附属物（附件）的影响。经认证的性能是D类安装—管道入口，管道出口。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D—管道入口，管道出口的声功率级（入口LwiA）。额定值包括管道端部校正影响。

2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。

— Performance ratings do not include the effects of appurtenances (accessories).Performance certified is for installation type D - Ducted inlet, Ducted outlet.The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.Values shown are for (inlet LwiA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.

DTF(R)-23-1140-8 (6P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-23-1140-8 (6P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	80.306	225	45.812	960	110
	2	73.720	506	67.627	960	114
	3	67.137	746	85.654	960	117
	4	59.718	993	100.631	960	120
	5	50.417	1189	110.802	960	118
	6	40.860	1415	122.021	960	116
	7	29.413	1674	137.320	960	116
20°	1	111.687	433	97.863	960	112
	2	103.359	735	130.465	960	112
	3	93.406	1053	160.718	960	114
	4	84.294	1302	179.540	960	120
	5	73.837	1433	189.670	960	123
29°	1	145.096	734	224.235	960	114
	2	130.710	1138	267.462	960	115
	3	117.388	1369	303.437	960	117
	4	103.819	1518	326.846	960	123
	5	94.429	1501	320.400	960	122

注：

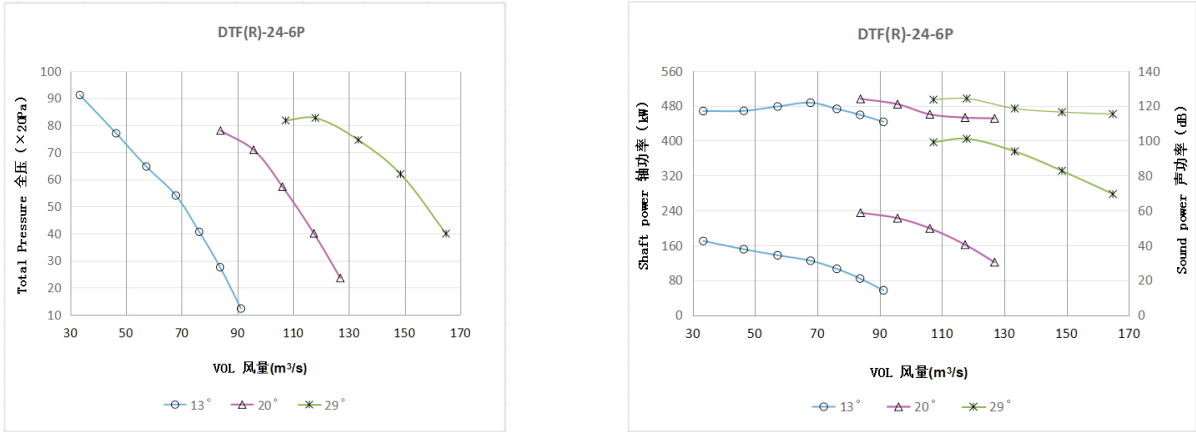
1. 各项性能额定值不包括附属物（附件）的影响。经认证的性能是D类安装—管道入口，管道出口。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D—管道入口，管道出口的声功率级（入口LwiA）。额定值包括管道端部校正影响。

2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。

— Performance ratings do not include the effects of appurtenances (accessories).Performance certified is for installation type D - Ducted inlet, Ducted outlet.The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.Values shown are for (inlet LwiA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.

DTF(R)-24-1190-8 (6P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-24-1190-8 (6P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	91.243	245	56.675	960	111
	2	83.759	551	83.663	960	115
	3	76.281	813	105.966	960	118
	4	67.851	1081	124.495	960	122
	5	57.283	1295	137.077	960	120
	6	46.425	1540	150.956	960	117
	7	33.418	1822	169.883	960	117
20°	1	126.897	472	121.069	960	113
	2	117.435	800	161.402	960	113
	3	106.127	1146	198.830	960	115
	4	95.774	1418	222.115	960	121
	5	83.892	1560	234.648	960	124
29°	1	164.856	799	277.409	960	115
	2	148.512	1239	330.887	960	116
	3	133.375	1491	375.392	960	118
	4	117.958	1653	404.353	960	124
	5	107.289	1635	396.378	960	124

注：

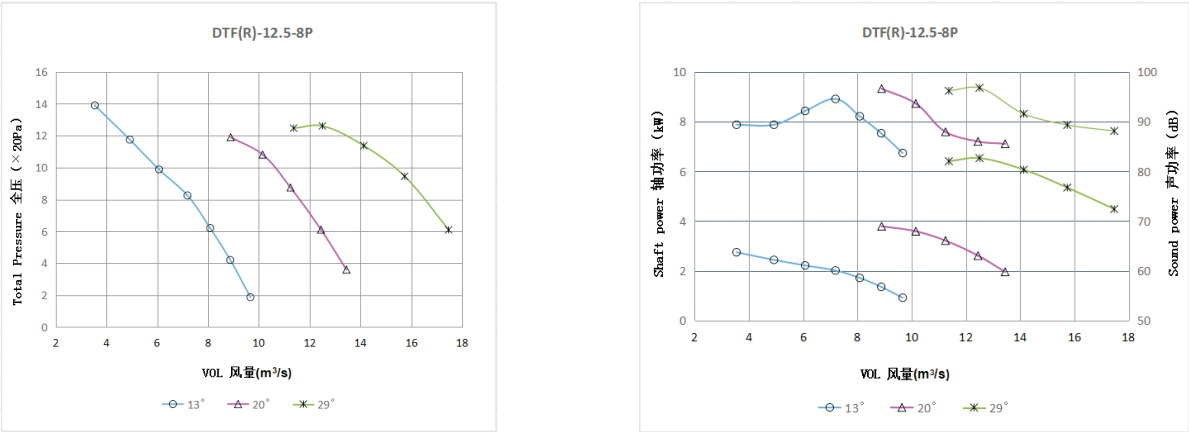
1. 各项性能额定值不包括附属物（附件）的影响。经认证的性能是D类安装—管道入口，管道出口。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D—管道入口，管道出口的声功率级（入口LwiA）。额定值包括管道端部校正影响。

2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。

— Performance ratings do not include the effects of appurtenances (accessories).Performance certified is for installation type D - Ducted inlet, Ducted outlet.The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.Values shown are for (inlet LwiA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.

DTF(R)-12.5-620-8 (8P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-12.5-620-8 (8P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	9.668	37	0.916	720	84
	2	8.875	84	1.353	720	88
	3	8.083	124	1.713	720	91
	4	7.190	165	2.013	720	95
	5	6.070	198	2.216	720	92
	6	4.919	235	2.441	720	89
	7	3.541	278	2.747	720	89
20°	1	13.446	72	1.958	720	86
	2	12.444	122	2.610	720	86
	3	11.246	175	3.215	720	88
	4	10.149	216	3.591	720	94
	5	8.890	238	3.794	720	97
29°	1	17.469	122	4.485	720	88
	2	15.737	189	5.350	720	89
	3	14.133	227	6.070	720	92
	4	12.499	252	6.538	720	97
	5	11.369	249	6.409	720	96

注：

1. 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A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D—管道入口，管道出口的声功率级（入口LwiA）。额定值包括管道端部校正影响。

2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。

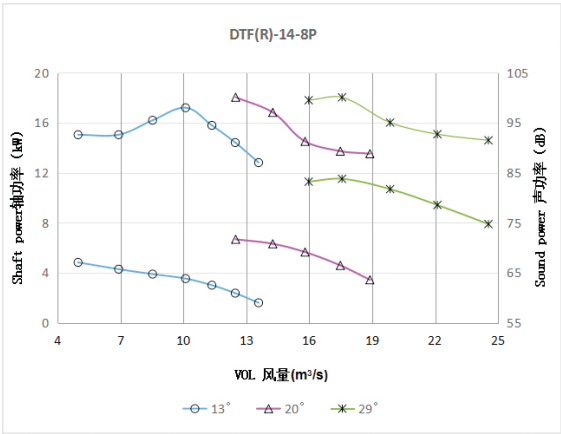
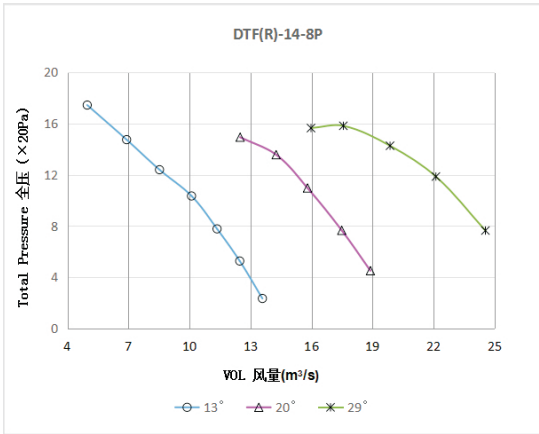
— Performance ratings do not include the effects of appurtenances (accessories).Performance certified is for installation type D - Ducted inlet, Ducted outlet.The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.Values shown are for (inlet LwiA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.



DTF(R)-14-694-8 (8P)正转性能曲线、参数表（无防喘振）  
DTF(R)-14-694-8 (8P) Forward Flow Performance curve、parameter table (no anti-surge)

FEG63

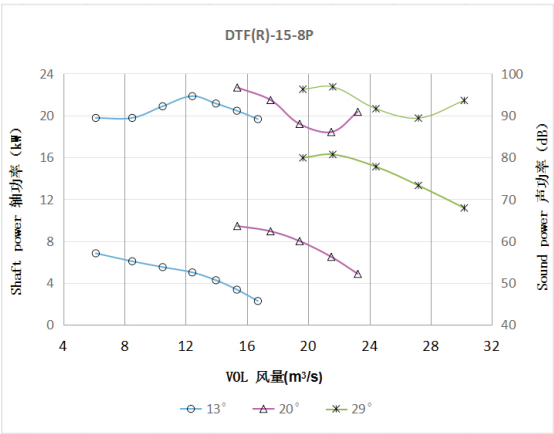
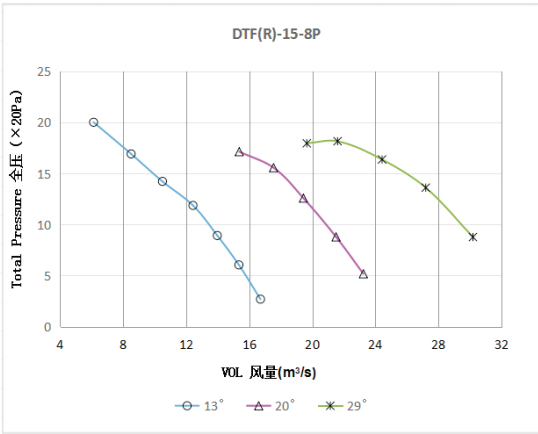


安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	13.583	47	1.615	720	87
	2	12.469	105	2.384	720	91
	3	11.356	156	3.019	720	94
	4	10.101	207	3.547	720	98
	5	8.528	248	3.906	720	95
	6	6.911	295	4.301	720	93
	7	4.975	349	4.841	720	93
20°	1	18.891	90	3.450	720	89
	2	17.483	153	4.599	720	89
	3	15.799	219	5.666	720	91
	4	14.258	271	6.329	720	97
	5	12.489	299	6.686	720	100
29°	1	24.542	153	7.905	720	91
	2	22.109	237	9.429	720	93
	3	19.856	285	10.697	720	95
	4	17.561	316	11.522	720	100
	5	15.972	313	11.295	720	100

注：  
1. 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A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D—管道入口，管道出口的声功率级（入口LwiA）。额定值包括管道端部校正影响。  
2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。  
— Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D - Ducted inlet, Ducted outlet. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for (inlet LwiA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.  
— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.

DTF(R)-15-744-8 (8P)正转性能曲线、参数表（无防喘振）  
DTF(R)-15-744-8 (8P) Forward Flow Performance curve、parameter table (no anti-surge)

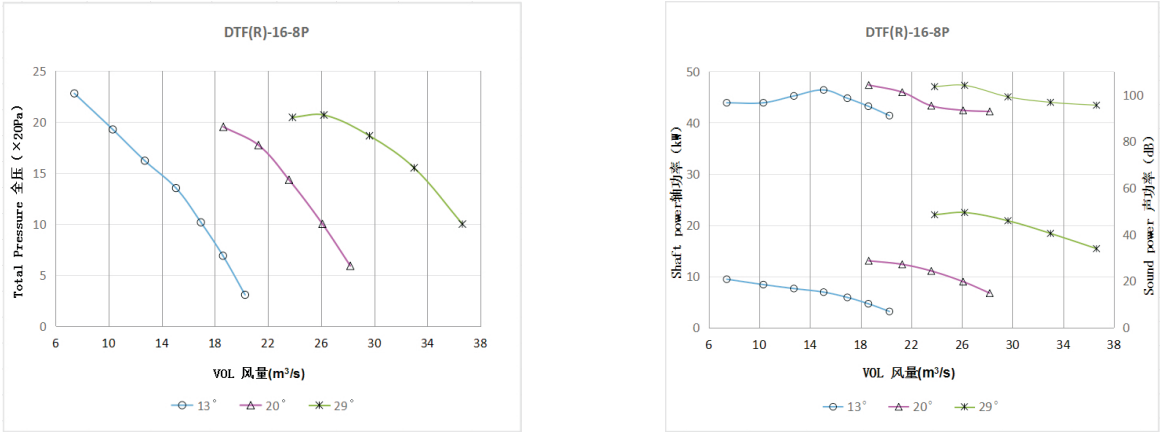
FEG63



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	16.707	54	2.280	720	89
	2	15.337	121	3.366	720	91
	3	13.967	179	4.263	720	93
	4	12.424	238	5.009	720	95
	5	10.489	285	5.515	720	92
	6	8.501	338	6.073	720	89
	7	6.119	400	6.835	720	89
20°	1	23.236	104	4.871	720	91
	2	21.503	176	6.494	720	86
	3	19.432	252	8.000	720	88
	4	17.537	311	8.936	720	94
	5	15.361	343	9.441	720	97
29°	1	30.186	176	11.161	720	94
	2	27.193	272	13.313	720	89
	3	24.422	328	15.103	720	92
	4	21.599	363	16.268	720	97
	5	19.645	359	15.948	720	96

注：  
1. 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A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D—管道入口，管道出口的声功率级（入口LwiA）。额定值包括管道端部校正影响。  
2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。  
— Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D - Ducted inlet, Ducted outlet. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for (inlet LwiA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.  
— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.

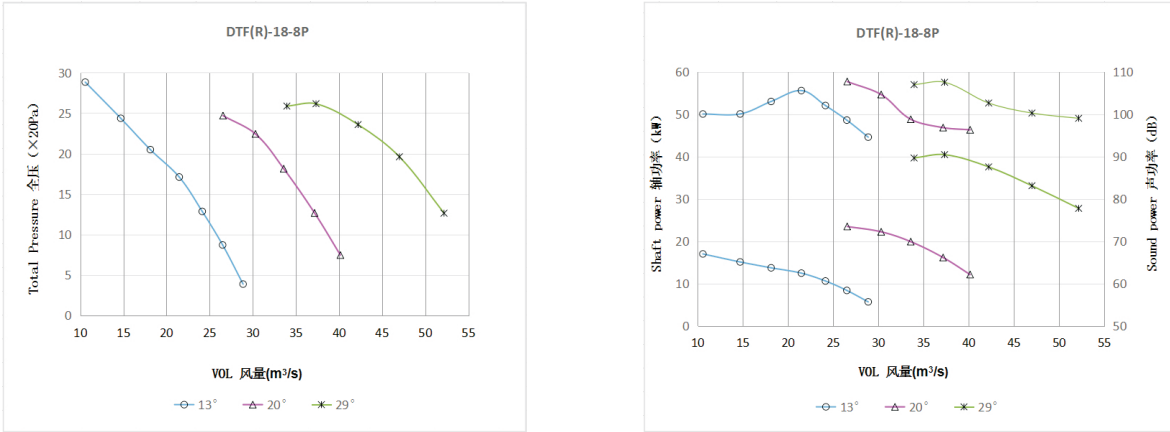
DTF(R)-16-794-8 (8P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-16-794-8 (8P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	20.276	61	3.149	720	91
	2	18.613	138	4.648	720	95
	3	16.951	203	5.887	720	99
	4	15.078	270	6.916	720	102
	5	12.729	324	7.615	720	99
	6	10.317	385	8.386	720	97
	7	7.426	456	9.438	720	97
20°	1	28.199	118	6.726	720	93
	2	26.097	200	8.967	720	93
	3	23.584	287	11.046	720	95
	4	21.283	354	12.340	720	101
	5	18.643	390	13.036	720	104
29°	1	36.635	200	15.412	720	96
	2	33.003	310	18.383	720	97
	3	29.639	373	20.855	720	99
	4	26.213	413	22.464	720	104
	5	23.842	409	22.021	720	103

注：  
1. 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A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D—管道入口，管道出口的声功率级（入口LwIA）。额定值包括管道端部校正影响。  
2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。  
— Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D - Ducted inlet, Ducted outlet. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for (inlet LwIA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.  
— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.

DTF(R)-18-892-8 (8P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-18-892-8 (8P) Forward Flow Performance curve、parameter table (no anti-surge)

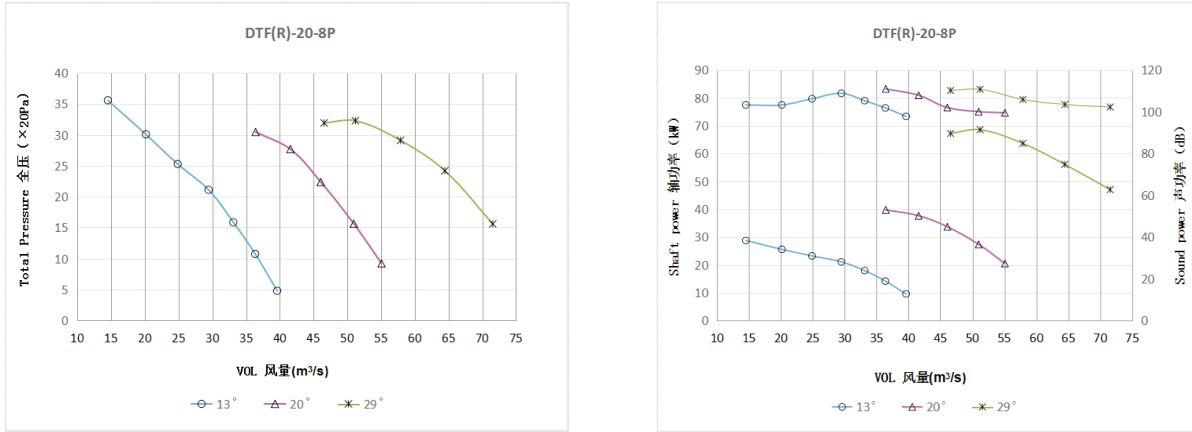


安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	28.870	78	5.674	720	95
	2	26.502	174	8.376	720	99
	3	24.136	257	10.609	720	102
	4	21.469	342	12.464	720	106
	5	18.125	410	13.723	720	103
	6	14.689	487	15.113	720	100
	7	10.574	577	17.008	720	100
20°	1	40.151	149	12.121	720	96
	2	37.157	253	16.158	720	97
	3	33.579	363	19.905	720	99
	4	30.304	449	22.237	720	105
	5	26.544	494	23.491	720	108
29°	1	52.161	253	27.772	720	99
	2	46.990	392	33.126	720	100
	3	42.201	472	37.582	720	103
	4	37.323	523	40.481	720	108
	5	33.947	517	39.683	720	107

注：  
1. 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A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D—管道入口，管道出口的声功率级（入口LwIA）。额定值包括管道端部校正影响。  
2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。  
— Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D - Ducted inlet, Ducted outlet. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for (inlet LwIA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.  
— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.



DTF(R)-20-992-8 (8P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-20-992-8 (8P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	39.602	96	9.609	720	98
	2	36.354	215	14.184	720	102
	3	33.108	317	17.966	720	105
	4	29.449	422	21.107	720	109
	5	24.862	506	23.240	720	106
	6	20.150	602	25.593	720	103
	7	14.504	712	28.802	720	103
20°	1	55.077	184	20.526	720	100
	2	50.970	313	27.364	720	100
	3	46.062	448	33.710	720	102
	4	41.569	554	37.658	720	108
	5	36.412	610	39.783	720	111
29°	1	71.552	312	47.032	720	102
	2	64.458	484	56.099	720	104
	3	57.888	582	63.645	720	106
	4	51.197	646	68.555	720	111
	5	46.566	639	67.203	720	110

注：

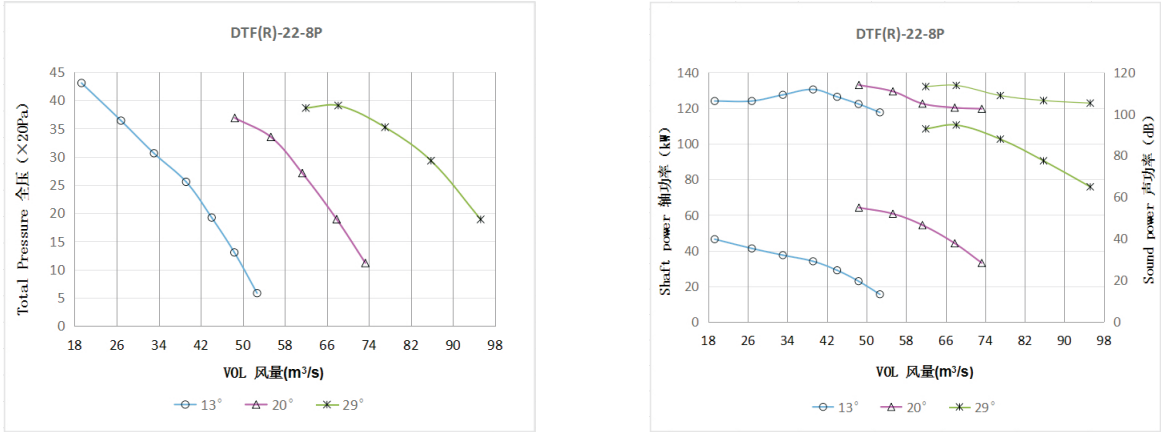
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2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。

— Performance ratings do not include the effects of appurtenances (accessories).Performance certified is for installation type D - Ducted inlet, Ducted outlet.The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.Values shown are for (inlet LwiA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.

DTF(R)-22-1092-8 (8P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-22-1092-8 (8P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	52.710	116	15.475	720	101
	2	48.387	260	22.844	720	105
	3	44.067	384	28.934	720	108
	4	39.197	511	33.993	720	112
	5	33.092	612	37.429	720	109
	6	26.819	728	41.218	720	106
	7	19.305	861	46.386	720	106
20°	1	73.307	223	33.058	720	102
	2	67.841	378	44.071	720	103
	3	61.309	542	54.290	720	105
	4	55.328	670	60.648	720	111
	5	48.464	738	64.070	720	114
29°	1	95.236	378	75.746	720	105
	2	85.794	586	90.348	720	106
	3	77.050	705	102.501	720	109
	4	68.143	781	110.408	720	114
	5	61.980	773	108.231	720	113

注：

1. 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A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D-管道入口，管道出口的声功率级（入口LwiA）。额定值包括管道端部校正影响。

2. 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。

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中国风机行业协会会员

国家消防产品认证企业  
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DTF(R)系列可逆转地铁隧道轴流通风机  
DTF(R) Reversible Series Axial Fan For Metro And Tunnel

技术说明  
Technical description



ISO9001认证企业  
中国风机行业协会会员

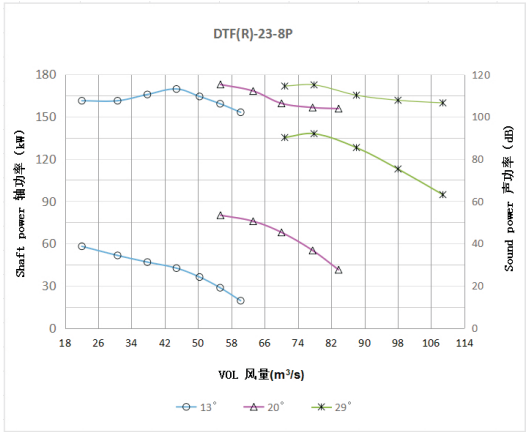
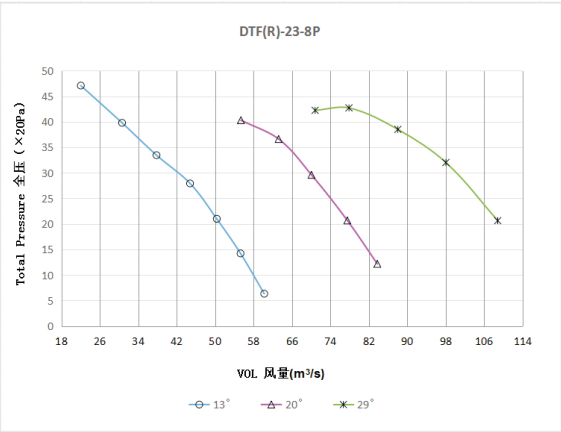
国家消防产品认证企业  
全国工业产品生产许可证企业

DTF(R)系列可逆转地铁隧道轴流通风机  
DTF(R) Reversible Series Axial Fan For Metro And Tunnel

技术说明  
Technical description

DTF(R)-23-1140-8 (8P)正转性能曲线、参数表（无防喘振）  
DTF(R)-23-1140-8 (8P) Forward Flow Performance curve、parameter table (no anti-surge)

FEG63



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	60.230	127	19.327	720	102
	2	55.290	284	28.530	720	106
	3	50.353	420	36.135	720	110
	4	44.789	558	42.454	720	113
	5	37.812	669	46.745	720	110
	6	30.645	796	51.477	720	108
	7	22.060	941	57.932	720	108
20°	1	83.765	244	41.286	720	104
	2	77.519	413	55.040	720	104
	3	70.055	592	67.803	720	106
	4	63.221	732	75.743	720	112
	5	55.378	806	80.017	720	115
29°	1	108.822	413	94.599	720	107
	2	98.033	640	112.836	720	108
	3	88.041	770	128.012	720	110
	4	77.864	854	137.888	720	115
	5	70.821	845	135.169	720	114

注：

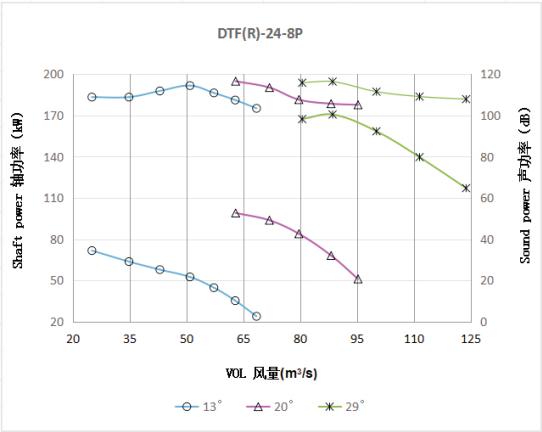
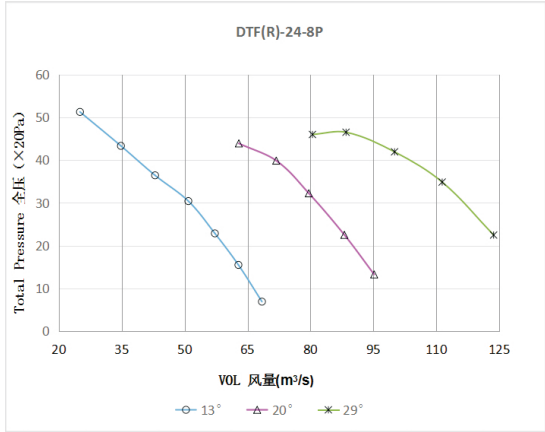
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- 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。

— Performance ratings do not include the effects of appurtenances (accessories). Performance certified is for installation type D - Ducted inlet, Ducted outlet. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for (inlet LwIA) sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

— Performance shown is for forward flow direction, performance for reverse flow direction are not certified by AMCA International.

DTF(R)-24-1190-8 (8P)正转性能曲线、参数表（无防喘振）  
DTF(R)-24-1190-8 (8P) Forward Flow Performance curve、parameter table (no anti-surge)

FEG63



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	68.432	138	23.910	720	103
	2	62.820	310	35.296	720	107
	3	57.210	457	44.704	720	111
	4	50.888	608	52.521	720	114
	5	42.962	729	57.829	720	112
	6	34.819	866	63.685	720	109
	7	25.064	1025	71.669	720	109
20°	1	95.173	265	51.076	720	105
	2	88.076	450	68.092	720	106
	3	79.595	645	83.881	720	108
	4	71.831	797	93.705	720	113
	5	62.919	878	98.992	720	116
29°	1	123.642	449	117.032	720	108
	2	111.384	697	139.593	720	109
	3	100.031	838	158.369	720	111
	4	88.469	930	170.586	720	116
	5	80.466	920	167.222	720	116

注：

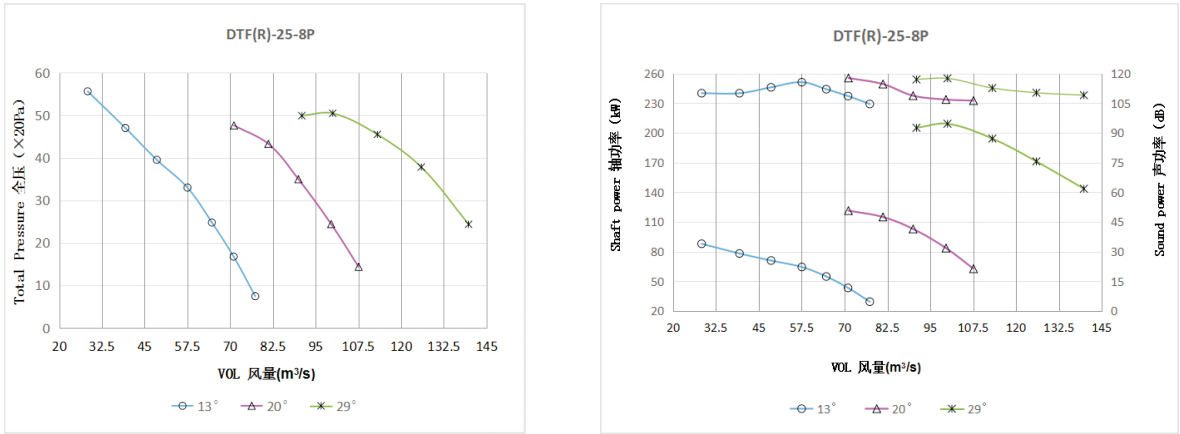
- 各项性能额定值不包括附属物（附件）的影响。经认证的性能是D类安装—管道入口，管道出口。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D—管道入口，管道出口的声功率级（入口LwIA）。额定值包括管道端部校正影响。
- 性能所示是正转气流方向，反转气流方向的性能没有获得 AMCA认证。

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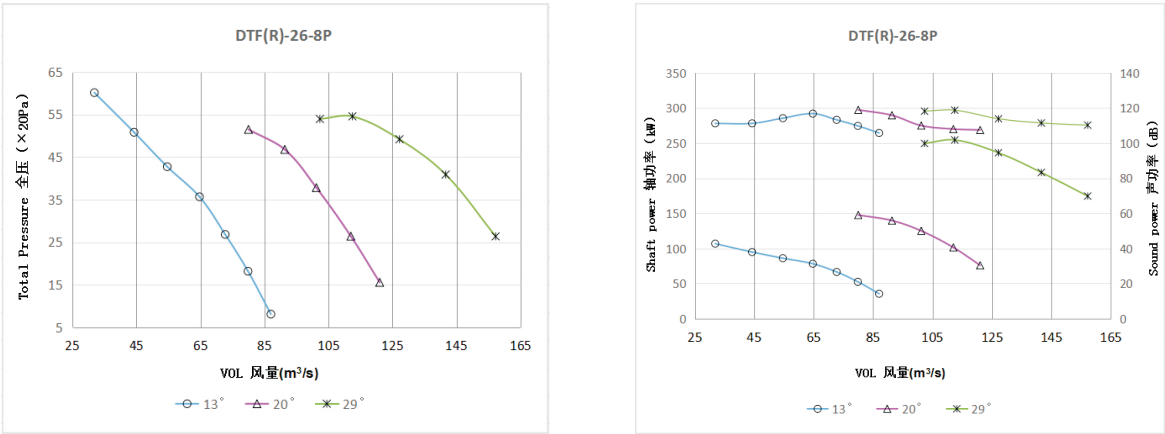
DTF(R)-25-1240-8 (8P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-25-1240-8 (8P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	77.347	150	29.324	720	105
	2	71.004	336	43.288	720	109
	3	64.664	496	54.827	720	112
	4	57.518	660	64.414	720	116
	5	48.559	790	70.924	720	113
	6	39.355	940	78.105	720	110
	7	28.329	1112	87.898	720	110
20°	1	107.572	288	62.642	720	106
	2	99.551	488	83.510	720	107
	3	89.965	700	102.875	720	109
	4	81.189	865	114.923	720	115
	5	71.117	952	121.407	720	118
29°	1	139.750	488	143.532	720	109
	2	125.895	756	171.201	720	110
	3	113.063	910	194.229	720	113
	4	99.994	1009	209.213	720	118
	5	90.950	998	205.086	720	117

注：  
1. 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A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型D—管道入口，管道出口的声功率级（入口LwiA）。额定值包括管道端部校正影响。  
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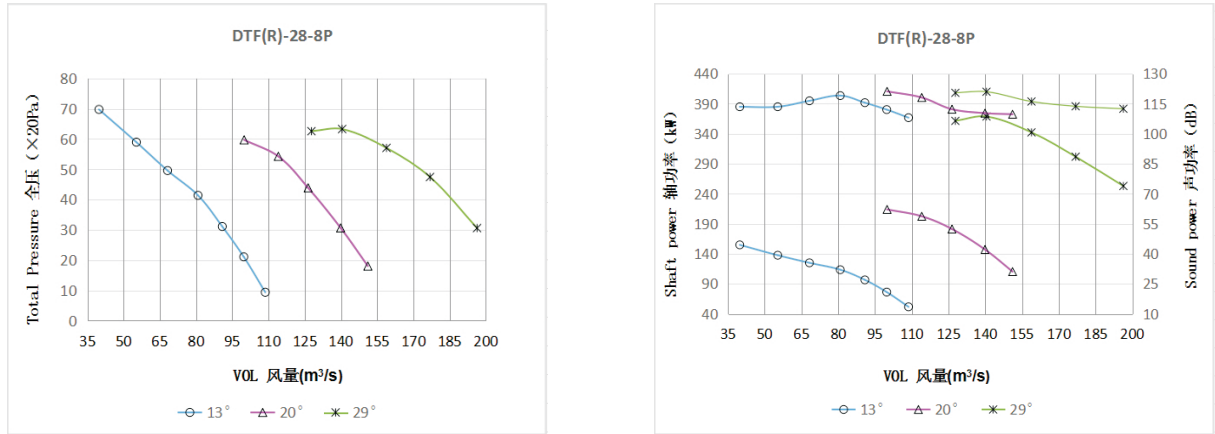
DTF(R)-26-1290-8 (8P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-26-1290-8 (8P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	87.005	162	35.677	720	106
	2	79.869	363	52.666	720	110
	3	72.738	537	66.705	720	113
	4	64.700	714	78.369	720	117
	5	54.622	855	86.290	720	114
	6	44.269	1017	95.026	720	111
	7	31.866	1203	106.941	720	111
20°	1	121.004	311	76.213	720	107
	2	111.981	528	101.602	720	108
	3	101.198	757	125.163	720	110
	4	91.326	936	139.821	720	116
	5	79.996	1030	147.710	720	119
29°	1	157.200	527	174.628	720	110
	2	141.615	818	208.293	720	111
	3	127.181	984	236.309	720	114
	4	112.480	1092	254.539	720	119
	5	102.306	1079	249.519	720	118

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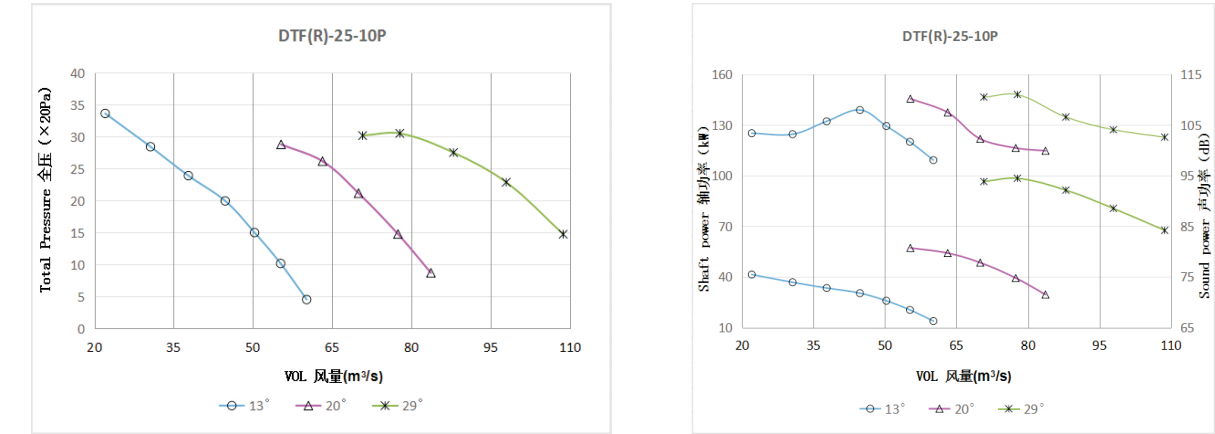
DTF(R)-28-1388-8 (8P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-28-1388-8 (8P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	108.668	188	51.679	720	108
	2	99.755	422	76.287	720	112
	3	90.848	622	96.624	720	116
	4	80.809	828	113.519	720	119
	5	68.222	992	124.992	720	116
	6	55.291	1179	137.647	720	113
	7	39.800	1395	154.906	720	113
20°	1	151.131	361	110.396	720	110
	2	139.862	613	147.173	720	110
	3	126.394	878	181.300	720	112
	4	114.064	1085	202.533	720	118
	5	99.914	1195	213.961	720	121
29°	1	196.339	612	252.952	720	112
	2	176.873	949	301.715	720	114
	3	158.846	1141	342.297	720	116
	4	140.485	1266	368.704	720	121
	5	127.778	1252	361.432	720	120

注：  
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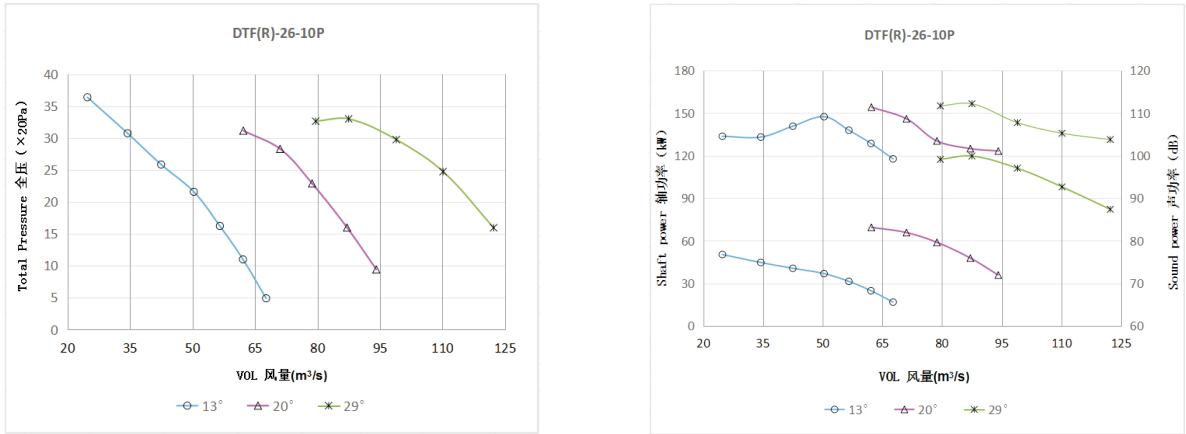
DTF(R)-25-1240-8 (10P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-25-1240-8 (10P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	60.159	90	13.797	560	98
	2	55.225	203	20.367	560	102
	3	50.294	300	25.797	560	105
	4	44.736	399	30.307	560	108
	5	37.768	478	33.370	560	106
	6	30.609	569	36.749	560	103
	7	22.034	673	41.357	560	103
20°	1	83.667	174	29.473	560	100
	2	77.428	296	39.292	560	100
	3	69.973	423	48.403	560	102
	4	63.147	523	54.072	560	107
	5	55.313	576	57.123	560	110
29°	1	108.694	295	67.533	560	103
	2	97.918	458	80.551	560	104
	3	87.938	550	91.386	560	107
	4	77.773	610	98.436	560	111
	5	70.739	604	96.495	560	111

注：  
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DTF(R)-26-1290-8 (10P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-26-1290-8 (10P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	67.671	98	16.786	560	99
	2	62.121	220	24.780	560	103
	3	56.574	325	31.385	560	106
	4	50.322	432	36.873	560	109
	5	42.484	517	40.600	560	107
	6	34.431	615	44.711	560	104
	7	24.785	728	50.317	560	105
20°	1	94.114	188	35.859	560	101
	2	87.096	320	47.805	560	102
	3	78.710	458	58.890	560	103
	4	71.032	566	65.787	560	109
	5	62.219	623	69.499	560	111
29°	1	122.267	319	82.164	560	104
	2	110.145	495	98.003	560	105
	3	98.918	595	111.185	560	108
	4	87.485	660	119.763	560	112
	5	79.571	653	117.401	560	112

注：

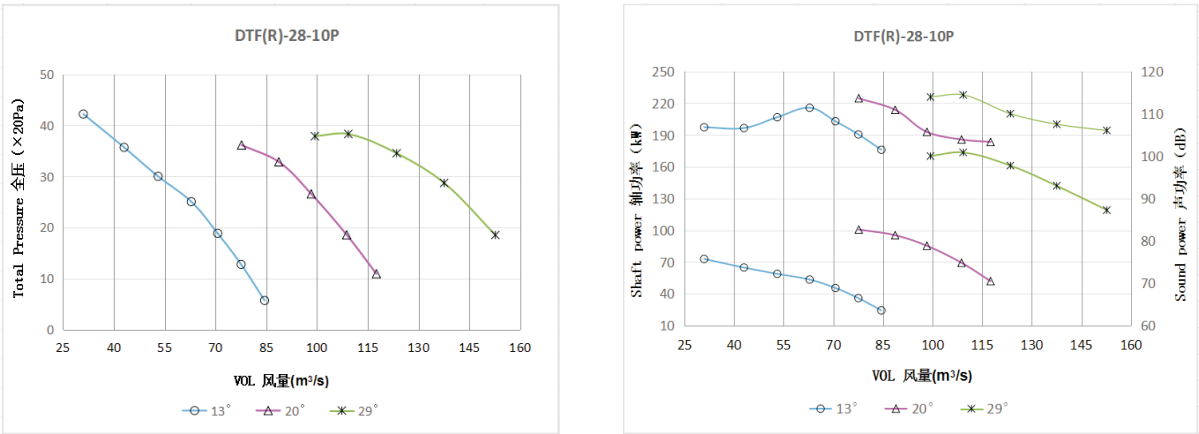
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DTF(R)-28-1388-8 (10P)正转性能曲线、参数表（无防喘振） FEG63  
DTF(R)-28-1388-8 (10P) Forward Flow Performance curve、parameter table (no anti-surge)



安装角 Installation angle	工况点 Operating point	风量 Air volume (m³/s)	全压 Total Pressure (Pa)	轴功率 Shaft power (kW)	转速 Speed (rpm)	声功率 Sound power (dB)
13°	1	84.519	114	24.315	560	102
	2	77.587	255	35.894	560	105
	3	70.660	376	45.462	560	108
	4	62.851	501	53.412	560	111
	5	53.062	600	58.810	560	109
	6	43.004	713	64.764	560	107
	7	30.956	844	72.884	560	107
20°	1	117.546	218	51.942	560	103
	2	108.781	371	69.246	560	104
	3	98.307	531	85.303	560	106
	4	88.717	657	95.293	560	111
	5	77.711	723	100.670	560	114
29°	1	152.708	370	119.016	560	106
	2	137.568	574	141.959	560	108
	3	123.547	690	161.053	560	110
	4	109.266	766	173.478	560	114
	5	99.383	757	170.057	560	114

注：

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