

应用场景 Application Example

下图为鸿冠斜流管道风机系列安装实例，为小型和大型通风装置提供更多的解决方案。

Below are application examples of the HF mixed flow fans. The HF fans provides a large number of solutions for small and large ventilation installations.



室内油烟抽风
Residential-Kitchen



办公场所
Commercial-Office



公共洗手间
Industrial - Public Restroom



学校饭堂
School - Dining Hall



更衣间
Industrial - Locker Room



等候室
Health - Waiting Room



会议室
Meeting room



餐厅
Catering



健身房
Gym



浴室/Bathroom



书房/Study room

安装与维护 Installation and Maintenance

简单安装 Easy to mount

固定底座
Fix the support



安装中心盒
Place the motor body



连接导线
Carry the connections out



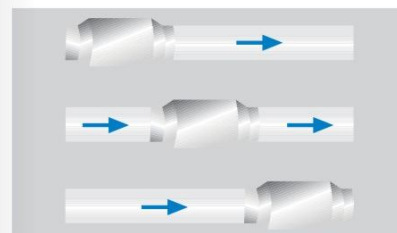
连接管道
Couple the ducts



鸿冠斜流风机由于更小的机身设计，让它解决更多狭隘空间的通风安装应用，比如天花板。

The low profile design of the range makes them the most effective solution for installations where space is restricted, such as false ceilings.

灵活的安装 Flexible mounting position



可以安装在管道上的任何位置
Can be mounted at any place of the air duct.

简单的维护 Easy maintenance



独特的设计使风机的电机和扇叶在不拆卸管道下，可以安装和拆卸。

The unique design of the support bracket allows that the motor and impeller can be easily installed and removed, without dismantling the duct pipe.

HF-T



HF-T 风机（从100到200的型号）可以安装延迟器，延时关闭时间从1分到30分间调节，它一样可以使用调速器。

HF-T fans (from 100 to 200 models) are fitted with an adjustable timer between 1 and 30 minutes, it is also suitable for speed control.

HF Fan



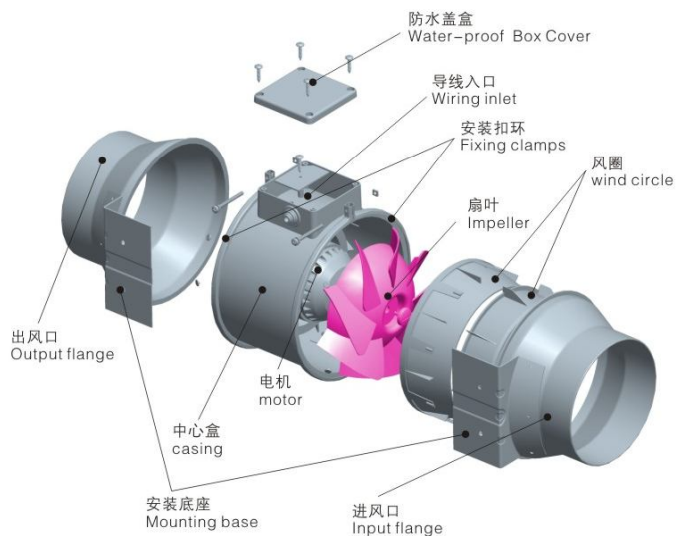
HF斜流风机更小的噪音水平，采用吸收噪音和振动的电机材质。

HF series mixed flow fans offer very low noise level, with a motor mounted on silent-elastic-blocks which absorb the vibrations.

产品总特征 General Features

鸿冠斜流增压管道风机 HF Mixed Flow In-Line Fan

应用	斜流管道系列可用于排气和供应通风系统，用于较高的风压，强大的风量和低噪音水平的环境中。该系列的尺寸包括100, 125, 150和200毫米，可以使用刚性和柔性管道。斜流管道系列为高温度的房间，如浴室和厨房，以及公寓，住宅，商店，咖啡馆，餐厅，电影院等的通风排气系统提供了理想的解决方案。
设计	风机中心盒的电机容易安装拆卸及清洗，不去除整个风扇或管道的情况下可以拆卸电机和扇叶，提供连接，方便用于密闭空间的维护。所有型号都有带有一个双速电机，也可以提供延时器，延时可变范围为1至30分钟。
电机	单相滚珠轴承电机，有两种速度，并配有标准热过载保护（STOP）自动重启。电机防护等级IP 44和充分加速可控的。符合F级建筑法规和设计的环境温度高达60℃低至零下20℃，电源电压范围为110V~380V，50/60HZ。
安装	可以安装在管道的任意一端，在任何角度，水平或垂直。所有风机可以并联安装来增加风量或串联安装来增加压力。装配在壳体的安装板，安装盒可旋转安装在任何位置，便于安装和连接。
Applications	HF Mixed Flow Fan can be used for exhaust and supply ventilation systems that require high pressure, powerful airflow and low noise levels. With a range of sizes that include 100, 125, 150 and 200 mm, HF fan can be used with rigid and flexible ducting. The HF Mixed Flow Fan are the ideal solution for air exhaust systems for rooms with high humidity such as bathrooms and kitchens, as well as ventilation for apartments, houses, shops, cafes, restaurants, cinemas etc.
Design	The motor is attached to the body of the fan by two quick release clips which enables the motor to rotate to provide connection for confined spaces and removal for maintenance without removing the whole fan or ducting. All models have an option of standard which has a two speed motor or overrun timer option variable range of 1 to 30 minutes.
Motor	The single phase ball bearing motor has two speeds and is equipped with Standard Thermal Overload Protection (STOP) with automatic restart. Motor protection rating IP 44 and are fully speed controllable. Complies with Part F building regulations and designed for ambient temperatures up to 60°C and low to -20°C, supply voltage 110V~380V, 50/60Hz.
Mounting	The fan can be mounted in line or at either end of the duct run and at any angle, horizontally or vertically. All fans can be mounted in parallel to increase the volume of air or in series to increase the pressure. The casing is fitted with a mounting plate. The mounting box can be rotated to be installed in any position for easy installation and connection.



鸿冠斜流增压管道风机 HF Mixed-flow In-line Duct Fan



扇叶采用高档ABS塑料一次性成型，不易变形，外形美观
Impellers with high-grade ABS plastic, one-time molding, not easily deformed, good appearance



接线盒采用聚丙烯塑料，与机身一体成型具有较高的耐酸碱功能，而且容易清洗
Junction box with polypropylene plastic, integrally molded with the body. With high anti-acid function and easy to clean



风圈，根据流体力学量身定制做让风机达到最优的风压
Wind circle, customized according to hydrodynamics, ensure the fan to achieve optimal pressure



风机安装底座根据风机结构及安全要求设计安全性高，安装简单
The fan mounting base is designed according to the structure and safety requirements, higher safe, easy installation



设计特征 Design characteristics

	HF-100	HF-125	HF-150	HF-200
聚丙烯外壳 Polypropylene casing	•	•	•	•
ABS扇叶 ABS impeller	•	•	•	•
防护等级 Protection class	II	II	II	II
过热保险 Thermal protection by fuse	•	•		
自动热复位保护 Auto resetting thermal protector (PTC)			•	•
滚珠轴承 Ball bearings greased for life	•	•	•	•
双速度电机 2 speed controllable (2) motor	•	•	•	•

鸿冠斜流增压管道风机 HF Mixed-flow In-line Duct Fan

产品特点：

- 外壳采用聚丙烯塑料一次性成型，具有较高的抗酸碱功能
- 采用ABS扇叶，根据流体力学达到最优风量风压而设计
- 双速电机，采用进口NMB滚珠，寿命可达50000小时
- 防护等级达到IP44，更有效的防水防尘
- 可设计带延时功能、温度感应和湿度感应多种人性化功能
- 运行环境温度范围为：-20℃~60℃

Features:

- The shell is made of polypropylene plastic, one-time disposable molded, with high anti-acid function
- The impeller is made of ABS, designed by hydromechanics to reach the optimal air and pressure
- Two-speed motor, imported NMB ball bearing, its life expectancy up to 50,000 hours
- IP44 Protection class, waterproof and dustproof more effective
- Can be designed with a delay function, temperature sensors and humidity sensors, more of user-friendly features design
- Operating temperature range: -20 °C ~ 60 °C

性能参数表

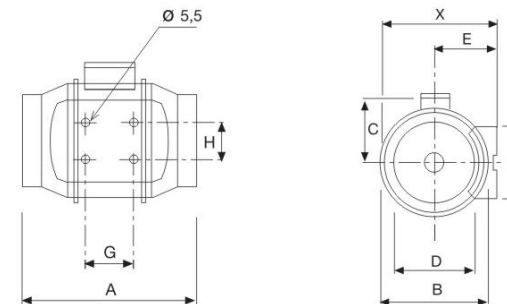
Performance parameter

型号 Model	档位 Gear	电压/频率 Voltage/ Frequency	电流 Current (Amps)	功率 Power (W)	转速 Speed (RPM)	重量 Weight (Kg)	风量 Air Flow (M ³ /H)	静压 Air Pressure (Pa)	3米噪音 Avg dBA@3m (db)
HF-100	H	230V/50Hz	0.12	26	2200	2.0	198	156	31
	L		0.11	23	1850		165	131	26
	H	115V/60Hz	0.26	30	2200		198	156	31
	L		0.24	28	1850		165	131	26
HF-125	H	230V/50Hz	0.14	33	2250	1.8	284	159	31
	L		0.13	28	1850		248	106	26
	H	115V/60Hz	0.30	32	2250		284	159	31
	L		0.26	27	1850		248	106	26
HF-150	H	230V/50Hz	0.24	54	2550	2.7	530	300	33
	L		0.21	48	1850		410	240	29
	H	115V/60Hz	0.58	65	2550		530	300	33
	L		0.49	53	1850		410	240	29
HF-200	H	230V/50Hz	0.57	128	2450	4.9	840	352	63
	L		0.52	123	1950		690	274	55
	H	115V/60Hz	1.41	162	2450		840	352	63
	L		1.28	146	1950		690	274	55

鸿冠斜流增压管道风机 HF Mixed-flow In-line Duct Fan

结构图

Dimensions (mm)



型号 Model	X	A	ΦB	C	ΦD	E	F	G	H
HF-100	188	303	176	115	97	100	90	80	60
HF-125	188	258	176	115	123	100	90	80	60
HF-150	212	320	200	127	147	112	130	80	60
HF-200	232.5	302	217	141	197	124	140	100	94

分贝功率谱性能测试表

power spectrum in dB(A) performance tables

在高速运转时，风机进风口在每个频段的分贝声功率谱分布表

Acoustic power spectrum in dB(A), for every frequency band, at the air inlet and outlet, under high speed

进风口 Air inlet	63	125	250	500	1000	2000	4000	8000
HF-100	28	47	46	53	52	47	39	33
HF-125	35	47	46	53	54	50	41	33
HF-150	32	35	55	57	59	62	56	48
HF-200	37	47	61	63	68	67	64	54

出风口 Air outlet	63	125	250	500	1000	2000	4000	8000
HF-100	27	46	45	44	43	43	32	25
HF-125	33	46	46	47	47	45	33	24
HF-150	25	32	43	39	44	53	42	29
HF-200	29	36	47	46	54	57	48	33

鸿冠斜流增压管道风机 HF Mixed-flow In-line Duct Fan

性能曲线图 Performance curves

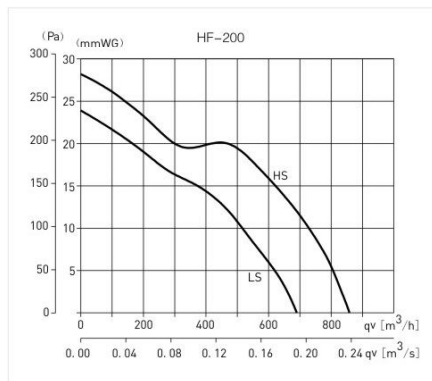
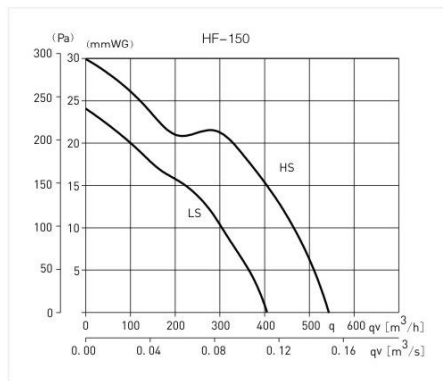
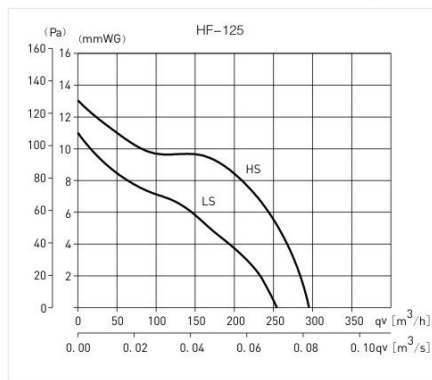
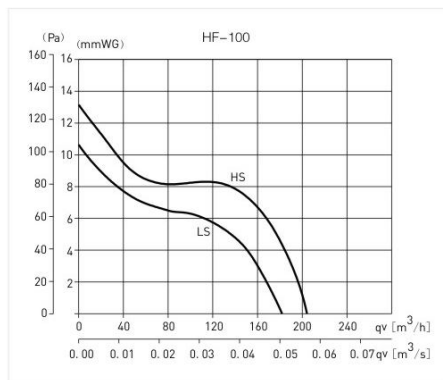
-qv: 风量单位为 m^3/h 和 m^3/s 。
qv: Air volume in m^3/h and m^3/s .

-psf: 静压单位为mmWG和Pa。
psf: Static pressure in mmWG and Pa.

-20°C和760mmHg的干燥空气。
Dry air at 20°C and 760 mmHg.

-按照ISO5801和AMCA210-99标准的性能数据。
Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.

Hs: 高速
HS: High speed
LS: 低速
LS: Low speed



鸿冠斜流增压风机管道系统 HF Mixed-flow In-line Duct Fan System

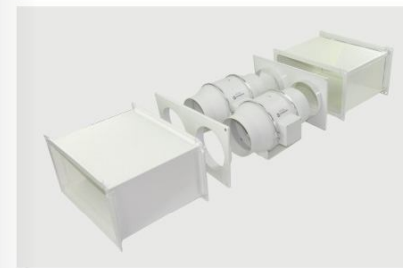
管道系统概述 Duct system introduction

鸿冠斜流增压管道风机系统包含了特定的配件及使用范围, 不同的组合安装, 实现了保证在最小的安装空间拥有最大的气流。

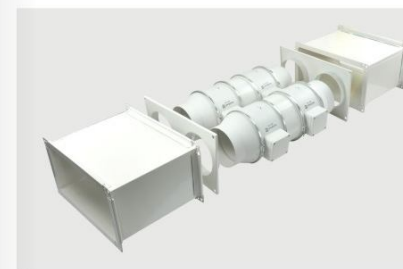
HF mixed flow In-Line duct fan series System includes a specific range of accessories enabling the installation of different combinations of the maintaining the concept that makes the difference: deliver the maximum airflow using the minimum space.



HF x 2 和 HF x 3串联系统
实现了增大风压的效果
HF x 2 Fans and HFx3 Fans
To increase the pressure.



HF TWIN 并联系统
拥有双倍的风量
HF TWIN Fans
To double the airflow.



HF TWINx2 串并联系统
实现了增大风压的基础上拥有双倍的风量。
HF TWINx2 Fans
To increase the pressure and double the airflow.