

## HWF Mixed Flow Fan HWF斜流风机

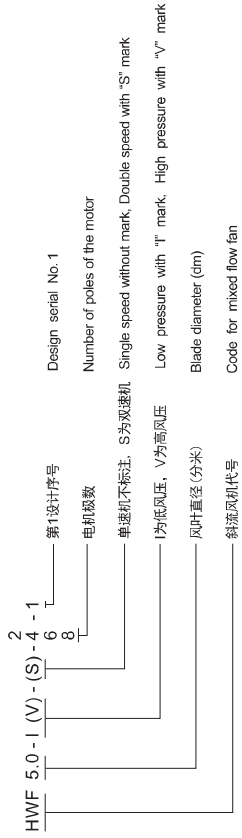


The Mixed Flow Fan is also known as Meridionally-Accelerated Axial Fan. The meridional velocity will be accelerated when the airstream travels through the blade and thus it achieves high total pressure coefficient, high efficiency, flat efficiency curve, low noise level, stable performance. The HWF-V ventilator is with a cylinder housing, cone-like hub, wind turbine blade and current collector or an arc silencer added in the inlet. Its static pressure is higher than axial fan and air volume is higher than centrifugal ventilator. Its major applications include industrial and mining enterprises, hotels, shopping malls and high-rise buildings for boosting the air flow in the ductwork.

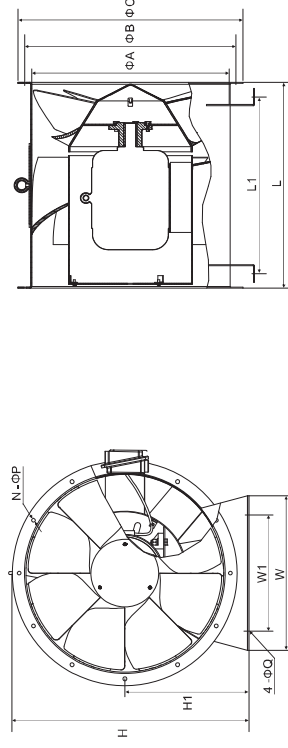
斜流风机(又名混流风机)亦称予午加速轴流风机。这种风机当气流经过风叶后,它的予午速度得到了增加,因此它的全压系数高,效率高,效率曲线平坦,噪声低,工作区宽,性能稳定可靠。HWF-V型风机应用“准三元”流动理论设计,采用直线形外筒,锥形轮毂,扭曲翼形叶片,进口加置集流器或弧形消音器,的结构形状。

压力比轴流风机机型高,风量较同机型离心风机大。斜流风机可以广泛使用在工矿企业,宾馆,商场,高层建筑,特别适合于管道加压,逆风排风之用。

### Model Explanation 型号说明



### External Dimensions 外形尺寸图



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### HWF-I, V Type Dimension Table HWF-I, V尺寸表

Units: unit:mm

机型 Type	型号 Model No.	φA	φB	φC	L				L1				W	W1	H1	H	N-φP	
					2级 2/P	4级 4/P	6级 6/P	8级 8/P	2级 2/P	4级 4/P	6级 6/P	8级 8/P						
HWF - I	3.5	360	395	430	400	400	320	320	300	200	240	455	6-φ12	400	300	240	455	6-φ12
	4.0	410	445	480	460	450	380	380	340	240	265	505	6-φ12					
	4.5	460	495	530	550	550	470	470	360	260	290	555	6-φ12					
	5.0	510	545	580	600	600	520	520	400	300	320	610	12-φ12					
	6.0	610	650	690	780	780	700	700	480	380	375	720	12-φ12					
	7.0	710	750	790	800	800	710	710	520	420	400	770	12-φ12					
HWF - V	8.0	810	850	890	860	860	770	770	640	520	475	920	12-φ12	800	400	300	425	12-φ12
	8.5	860	900	990	860	860	770	770	680	560	500	995	12-φ12					
	9.0	910	950	990	900	900	820	820	720	560	525	1020	12-φ12					
	10.0	1010	1055	1100	920	920	820	820	800	600	575	1125	12-φ12					
	11.2	1120	1170	1210	1050	1050	950	950	900	700	635	1240	12-φ12					
	12.5	1260	1315	1370	1120	1120	1020	1020	1000	800	700	1385	12-φ12					

### HWF-I-S Type Dimension Table HWF-I-S 尺寸表

Units: unit:mm

机型 Type	型号 Model No.	φA	φB	φC	L				L1				W	W1	H1	H	N-φP		
					2/4级 2/4P	4/6级 4/6P	6/8级 6/8P	2/4级 2/4P	4/6级 4/6P	6/8级 6/8P									
HWF-I-S	5.0	510	545	580	600	600	520	520	400	300	320	610	12-φ12	800	400	300	320	610	12-φ12
	6.0	610	650	690	790	790	700	700	480	380	375	720	12-φ12						
	7.0	710	750	790	800	800	710	710	560	440	425	820	12-φ12						
	8.0	810	850	890	860	860	770	770	640	520	475	920	12-φ12						
	9.0	910	950	990	900	900	820	820	720	560	525	1020	12-φ12						
	10.0	1010	1055	1100	920	920	820	820	800	600	575	1125	12-φ12						
HWF-I-S	11.2	1120	1170	1210	1050	1050	950	950	900	700	635	1240	12-φ12	1000	800	700	635	1240	12-φ12
	12.5	1260	1315	1370	1120	1120	1020	1020	1000	800	700	1385	12-φ12						

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#### HWF-I Electrical Ratings HWF-I 技术参数

#### HWF-I (Single Speed) HWF-I (单速型)

型号 Model No.	转速 Rotating Design (R.P.M.)	风量 Air Volume (m³/h)	全压 Total Pressure (Pa)	噪音 Noise (dB(A))	功率 Power (kw)	重量 Weight (kg)
HWF3.5-I-2	1	6186	920	72	2.2	53
	2	4682	946	72	2.2	53
	3	3683	970	72	2.2	53
HWF3.5-I-4	1	2640	128	62	0.25	35
	2	2332	134	62	0.25	35
	3	2045	142	62	0.25	35
HWF4.0-I-2	1	5937	1030	76	4	77
	2	8358	1106	76	4	77
	3	7681	1266	76	4	77
HWF4.0-I-4	1	4307	145	71	0.37	38
	2	3641	177	71	0.37	38
	3	3058	214	71	0.37	38
HWF4.5-I-2	1	5937	918	80	5.5	99
	2	6894	1087	80	5.5	99
	3	7876	1218	80	5.5	99
HWF4.5-I-4	1	4357	209	73	0.55	49
	2	4045	218	73	0.55	49
	3	3397	267	73	0.55	49
HWF5.0-I-2	1	13222	973	85	7.5	113
	2	12510	1121	85	7.5	113
	3	12510	1321	85	7.5	113
HWF5.0-I-4	1	6689	262	77	1.1	66
	2	5257	328	77	1.1	66
	3	4527	402	77	1.1	66
HWF6.0-I-4	1	10055	202	79	1.5	95
	2	8905	264	79	1.5	95
	3	8126	327	79	1.5	95
HWF6.5-I-4	1	12174	235	79	2.2	133
	2	11927	337	79	2.2	133
	3	10325	361	79	2.2	133
HWF7.0-I-4	1	18805	331	82	3	143
	2	15321	372	82	3	143
	3	11785	472	82	3	143
HWF8.0-I-4	1	41267	562	91	11	287
	2	35386	669	91	11	287
	3	28153	874	91	11	287
HWF8.0-I-6	1	25472	185	82	4	226
	2	22429	284	82	4	226
	3	18636	384	82	4	226
HWF9.0-I-4	1	56671	546	86	18.5	402
	2	51955	647	86	18.5	402
	3	48049	863	86	18.5	402
HWF9.0-I-6	1	34211	261	82	5.5	284
	2	32061	372	82	5.5	284
	3	27179	452	82	5.5	284
HWF10.0-I-4	1	81526	658	93	22	464
	2	65763	806	93	22	464
	3	55263	1066	93	22	464
HWF10.0-I-6	1	44059	290	86	7.5	355
	2	40603	331	86	7.5	355
	3	36921	373	86	7.5	355
HWF11.2-I-6	1	48734	312	86	11	454
	2	46104	348	86	11	454
	3	43577	378	86	11	454
HWF12.5-I-6	1	85729	785	95	30	679
	2	81098	839	95	30	679
	3	76036	888	95	30	679
HWF12.5-I-8	1	64297	431	91	15	619
	2	60825	473	91	15	619
	3	57231	481	91	15	619

Remark: 1. The technical data is tested at 380V~ / 50Hz / 3Ph.  
2. Customized rated voltage and frequency are available.

备注：1、以上所有参数均由380V~ / 50Hz / 3Ph进行测试。  
2、可根据客户的额定电压和频率来订做合适的产品。

#### HWF-I-S (Double Speed) HWF-I-S (双速型)

型号 Model No.	转速 Rotating Design (R.P.M.)	风量 Air Volume (m³/h)	全压 Total Pressure (Pa)	噪音 Noise (dB(A))	功率 Power (kw)	重量 Weight (kg)
HWF5.0-I-S	2900	1	13300	805	85	5.9 / 1.4
	2	10324	1021	85	5.9 / 1.4	113
	3	7360	1200	85	5.9 / 1.4	113
HWF6.0-I-S	1	6500	201	73		
	2	5269	280	73		
	3	3680	313	73		
HWF6.0-I-S	2900	1	20840	776	87	12.5 / 2.8
	2	17370	852	87	12.5 / 2.8	211
	3	15800	916	87	12.5 / 2.8	211
HWF7.0-I-S	1	10005	202	79		
	2	8905	264	79		
	3	8126	327	79		
HWF7.0-I-S	1	24726	707	85		
	2	19612	944	85		
	3	14710	988	85		
HWF7.0-I-S	960	1	16370	345	77	9.5 / 3.1
	2	12322	457	77	9.5 / 3.1	266
	3	9340	476	77	9.5 / 3.1	266
HWF8.0-I-S	1	41261	562	91		
	2	35386	669	91		
	3	28153	874	91		
HWF8.0-I-S	960	1	22429	165	82	12 / 4
	2	22429	284	82	12 / 4	263
	3	18636	384	82	12 / 4	263
HWF9.0-I-S	1	56671	646	92		
	2	51955	847	92		
	3	48049	983	92		
HWF9.0-I-S	960	1	34211	284	86	18 / 6.2
	2	32061	372	86	18 / 6.2	389
	3	27179	432	86	18 / 6.2	389
HWF10.0-I-S	1	65546	706	93		
	2	6326	753	93		
	3	55763	806	93		
HWF10.0-I-S	960	1	44059	230	86	24 / 8.5
	2	40603	331	86	24 / 8.5	493
	3	36921	373	86	24 / 8.5	493
HWF11.2-I-S	1	73606	711	94		
	2	68634	791	94		
	3	63817	845	94		
HWF11.2-I-S	960	1	45734	312	88	33 / 11
	2	45704	348	88	33 / 11	608
	3	43577	372	88	33 / 11	608
HWF12.5-I-S	1	85726	785	95		
	2	81098	839	95		
	3	76036	888	95		
HWF12.5-I-S	720	1	64297	432	91	30 / 15
	2	60825	473	91	30 / 15	677
	3	57231	500	91	30 / 15	677

Remark: 1. The technical data is tested at 380V~ / 50Hz / 3Ph.  
2. Customized rated voltage and frequency are available.

备注：1、以上所有参数均由380V~ / 50Hz / 3Ph进行测试。  
2、可根据客户的额定电压和频率来订做合适的产品。

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#### HWF-V Electrical Ratings HWF-V 技术参数

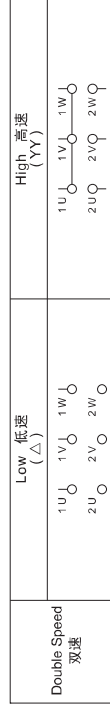
型号 Model No.	转速 Rotating Design (R.P.M.)	风量 Air Volume (m³/h)	全压 Total Pressure (Pa)	噪音 Noise (dB(A))	功率 Power (kw)	重量 Weight (kg)
HWF5.0-V-4	1	9096	414	69	2.2	83
	2	6743	534	69	2.2	83
	3	5066	556	69	2.2	83
HWF6.0-V-4	1	16576	850	76	5.5	147
	2	11726	769	76	5.5	147
	3	9269	800	76	5.5	147
HWF6.5-V-4	1	19982	691	77	7.5	188
	2	14907	802	77	7.5	188
	3	11783	836	77	7.5	188
HWF7.0-V-4	1	24731	789	79	11	253
	2	18817	1046	79	11	253
	3	14715	1088	79	11	253
HWF8.0-V-6	1	24441	453	73	5.5	245
	2	18399	599	73	5.5	245
	3	14543	624	73	5.5	245

Remark: 1. The technical data is tested at 380V~ / 50Hz / 3Ph.  
2. Customized rated voltage and frequency are available.

备注：1、以上所有参数均由380V~ / 50Hz / 3Ph进行测试。  
2、可根据客户的额定电压和频率来订做合适的产品。

#### Double Speed Wiring Diagram 双速型电机接线图

The internal wiring is Δ/2Y and external wiring shows as below.  
配套电机内部接线为Δ/2Y，其外部电源接法如下：



The internal wiring is 3Y/3Y+Y and external wiring shows as below.  
配套电机内部接线为3Y/3Y+Y，其外部电源接法如下：



Note: Please refer to the wiring diagram on the cover of the junction box. 备注：以电机盖的接线图为准。