

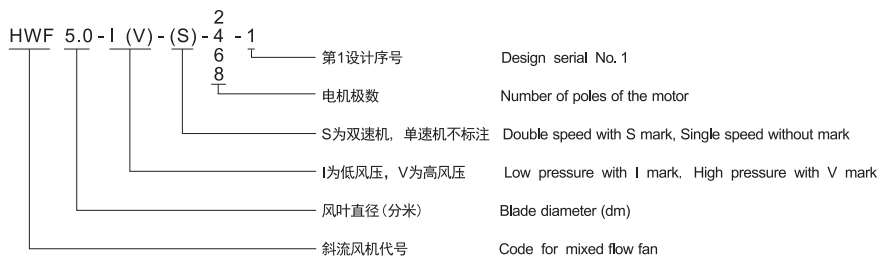
## HWF Mixed Flow Fan HWF斜流风机



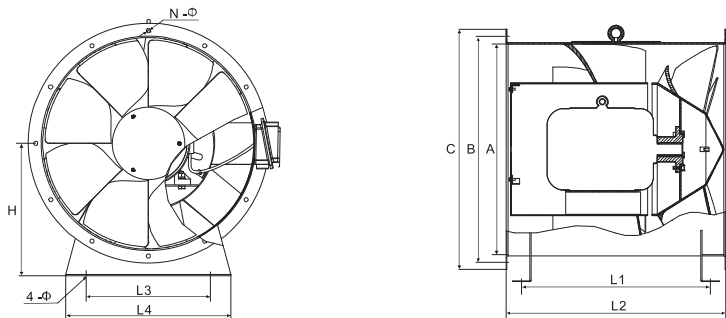
The Mixed-Flow Fan is also known as Meridionally-Accelerated Axial Fan. The meridional velocity will be accelerated when the airstream travels through the blade and thus it achieves high total pressure coefficient, high efficiency, flat efficiency curve, low noise level, stable performance. The HWF-V 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)亦称子午加速轴流风机, 这种风机当气流经过风叶后, 它的子午速度得到了增加, 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, 进风口加置集流器或弧形消音器的结构形状。压力比轴流风机同机型高, 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, 送风排风之用。

### Model Explanation 型号说明



### External Dimensions 外形尺寸图



## HWF Mixed Flow Fan HWF斜流风机

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

Units unit: mm

机型 Type	型号 Model No.	A	B	C	L1				L2				L3	L4	4-Φ	H	N-Φ
					2极 2P	4极 4P	6极 6P	8极 8P	2极 2P	4极 4P	6极 6P	8极 8P					
HWF - I	3.5	360	395	430	370	370			440	440			200	300	4-Φ10	240	10-Φ8
	4.0	410	445	480	430	430			505	505			240	340	4-Φ12	265	12-Φ10
	4.5	460	495	530	490	490			570	570			260	360	4-Φ12	290	12-Φ10
	5.0	510	545	580	600	600			675	675			300	400	4-Φ12	320	12-Φ10
	6.0	610	650	690		595				680			380	480	4-Φ14	375	16-Φ10
	6.5	660	700	740		640				740			420	520	4-Φ14	400	16-Φ10
	7.0	710	750	790		750				830			440	560	4-Φ14	425	16-Φ12
	8.0	810	850	890		850	850			930	930		520	640	4-Φ14	475	20-Φ12
	9.0	910	950	990		910	910			1000	1000		560	720	4-Φ18	525	24-Φ14
	10.0	1010	1055	1100		1025	1025			1115	1115		600	800	4-Φ18	575	24-Φ14
	11.2	1120	1170	1210			960				1050		700	900	4-Φ18	635	28-Φ14
	12.5	1260	1315	1370			1155	1155			1250	1250	800	1000	4-Φ18	700	32-Φ14
HWF - V	5.0	510	545	580		600				675			300	400	4-Φ12	320	12-Φ10
	6.0	610	650	690		595				680			380	480	4-Φ14	375	16-Φ10
	6.5	660	700	740		640				740			420	520	4-Φ14	400	16-Φ10
	7.0	710	750	790		750				830			440	560	4-Φ14	425	16-Φ12
	8.0	810	850	890			850				930		520	640	4-Φ14	475	20-Φ12
	8.5	860	900	940			865				945		560	680	4-Φ14	500	20-Φ12
	9.0	910	950	990			910				1000		560	720	4-Φ18	525	24-Φ14
	10.0	1010	1055	1100			1025				1115		600	800	4-Φ18	575	24-Φ14
	11.2	1120	1170	1210			960				1050		700	900	4-Φ18	635	28-Φ14
	12.5	1260	1315	1370			1155				1250		800	1000	4-Φ18	700	32-Φ14

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

Units unit: mm

机型 Type	型号 Model No.	A	B	C	L1			L2			L3	L4	4-Φ	H	N-Φ		
					2/4极 2/4P	4/6极 4/6P	6/8极 6/8P	2/4极 2/4P	4/6极 4/6P	6/8极 6/8P							
HWF - I - S	5.0	510	545	580	600			675				300	400	4-Φ12	320	12-Φ10	
	6.0	610	650	690	595				680				380	480	4-Φ14	375	16-Φ10
	7.0	710	750	790		750				830			440	560	4-Φ14	425	16-Φ12
	8.0	810	850	890		850				930			520	640	4-Φ14	475	20-Φ12
	9.0	910	950	990		910				1000			560	720	4-Φ18	525	24-Φ14
	10.0	1010	1055	1100			1025				1115		600	800	4-Φ18	575	24-Φ14
	11.2	1120	1170	1210			960				1050		700	900	4-Φ18	635	28-Φ14
12.5	1260	1315	1370					1155			1250	800	1000	4-Φ18	700	32-Φ14	

## HWF Mixed Flow Fan

### HWF斜流风机

#### 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 Speed (R.P.M.)	设计序号 Design Serial No.	风量 Air Volume (m <sup>3</sup> /h)	全压 Total Pressure (Pa)	噪音 Noise (dB)	功率 Power (kw)	净重 Net Weight (kg)
HWF3.5-I-2	2900	1	6186	920	72	2.2	53
		2	4662	946			
		3	3683	970			
HWF3.5-I-4	1450	1	2640	128	62	0.25	35
		2	2332	134			
		3	2045	142			
HWF4.0-I-2	2900	1	9937	1030	76	4	77
		2	8358	1106			
		3	7681	1266			
HWF4.0-I-4	1450	1	4307	145	71	0.37	38
		2	3641	177			
		3	3058	214			
HWF4.5-I-2	2900	1	9937	918	80	5.5	99
		2	8894	1087			
		3	7876	1218			
HWF4.5-I-4	1450	1	4557	209	73	0.55	49
		2	4045	218			
		3	3397	267			
HWF5.0-I-2	2900	1	13422	973	85	7.5	113
		2	12570	1121			
		3	10727	1273			
HWF5.0-I-4	1450	1	7438	222	77	1.1	66
		2	6669	280			
		3	5257	328			
HWF6.0-I-4	1450	1	10005	202	79	1.5	95
		2	8905	264			
		3	8126	327			
HWF6.5-I-4	1450	1	12714	235	79	2.2	133
		2	11327	337			
		3	10325	381			
HWF7.0-I-4	1450	1	18805	331	82	3	143
		2	15321	372			
		3	11785	472			
HWF8.0-I-4	1450	1	41267	562	91	11	297
		2	35386	669			
		3	28153	874			
HWF8.0-I-6	960	1	25472	195	82	4	226
		2	22429	294			
		3	18636	384			
HWF9.0-I-4	1450	1	56671	646	86	18.5	402
		2	51595	847			
		3	48049	983			
HWF9.0-I-6	960	1	34211	284	82	5.5	284
		2	32061	372			
		3	27179	432			
HWF10.0-I-4	1450	1	66546	706	93	22	464
		2	61326	753			
		3	55763	806			
HWF10.0-I-6	960	1	44059	290	86	7.5	355
		2	40603	331			
		3	36921	373			
HWF11.2-I-6	960	1	48734	312	86	11	454
		2	46104	348			
		3	43577	378			
HWF12.5-I-6	960	1	85728	765	95	30	679
		2	81098	839			
		3	76036	888			
HWF12.5-I-8	720	1	64297	431	91	15	619
		2	60825	473			
		3	57231	500			

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

型号 Model No.	转速 Rotating Speed (R.P.M.)	设计序号 Design Serial No.	风量 Air Volume (m <sup>3</sup> /h)	全压 Total Pressure (Pa)	噪音 Noise (dB)	功率 Power (kw)	净重 Net Weight (kg)
HWF5.0-I-S	2900	1	13000	805	85	5.9 / 1.4	113
		2	10324	1021			
		3	7360	1200			
HWF6.0-I-S	1450	1	6500	201	73	12.5 / 2.8	211
		2	5269	280			
		3	3680	313			
HWF6.0-I-S	2900	1	20840	776	87	12.5 / 2.8	211
		2	17370	852			
		3	15600	916			
HWF6.0-I-S	1450	1	10005	202	79	12.5 / 2.8	211
		2	8905	264			
		3	8126	327			
HWF7.0-I-S	1450	1	24726	707	85	9.5 / 3.1	266
		2	18612	944			
		3	14710	988			
HWF7.0-I-S	960	1	16370	345	77	9.5 / 3.1	266
		2	12322	457			
		3	9340	476			
HWF8.0-I-S	1450	1	41261	562	91	12 / 4	283
		2	35385	669			
		3	25183	874			
HWF8.0-I-S	960	1	25472	195	82	12 / 4	283
		2	22429	294			
		3	18641	384			
HWF9.0-I-S	1450	1	56671	646	92	18 / 6.2	389
		2	51595	847			
		3	48049	983			
HWF9.0-I-S	960	1	34211	284	86	18 / 6.2	389
		2	32061	372			
		3	27179	432			
HWF10.0-I-S	1450	1	66546	706	93	24 / 8.5	493
		2	61326	753			
		3	55763	806			
HWF10.0-I-S	960	1	44059	230	86	24 / 8.5	493
		2	40603	331			
		3	36921	373			
HWF11.2-I-S	1450	1	73606	711	94	33 / 11	608
		2	68634	791			
		3	63817	845			
HWF11.2-I-S	960	1	48734	312	86	33 / 11	608
		2	46104	348			
		3	43577	372			
HWF12.5-I-S	960	1	85728	765	95	30 / 15	677
		2	81098	839			
		3	76036	888			
HWF12.5-I-S	720	1	61297	431	91	30 / 15	677
		2	60825	473			
		3	57231	500			

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 Mixed Flow Fan

### HWF斜流风机

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

型号 Model No.	转速 Rotating Speed (R.P.M.)	设计序号 Design Serial No.	风量 Air Volume (m <sup>3</sup> /h)	全压 Total Pressure (Pa)	噪音 Noise (dB)	功率 Power (kw)	净重 Net Weight (kg)
HWF5.0-V-4	1450	1	9096	414	69	2.2	83
		2	6743	534			
		3	5366	556			
HWF6.0-V-4	1450	1	15576	580	76	5.5	147
		2	11726	769			
		3	9269	800			
HWF6.5-V-4	1450	1	19802	681	77	7.5	188
		2	14907	892			
		3	11783	936			
HWF7.0-V-4	1450	1	24731	789	79	11	253
		2	18617	1046			
		3	14715	1088			
HWF8.0-V-6	960	1	24441	453	73	5.5	245
		2	18399	599			
		3	14543	624			

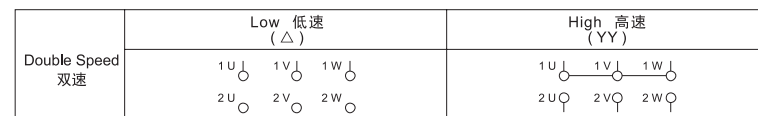
型号 Model No.	转速 Rotating Speed (R.P.M.)	设计序号 Design Serial No.	风量 Air Volume (m <sup>3</sup> /h)	全压 Total Pressure (Pa)	噪音 Noise (dB)	功率 Power (kw)	净重 Net Weight (kg)
HWF8.5-V-6	960	1	29315	511	73	7.5	299
		2	22067	676			
		3	17443	704			
HWF9.0-V-6	960	1	34798	572	75	11	348
		2	26194	758			
		3	25705	789			
HWF10.0-V-6	960	1	47731	706	77	15	441
		2	35930	936			
		3	28400	974			
HWF11.2-V-6	960	1	57057	1011	80	18.5	556
		2	50477	1072			
		3	45471	1150			
HWF12.5-V-6	960	1	68359	1025	80	30	694
		2	63171	1052			
		3	55463	1150			

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

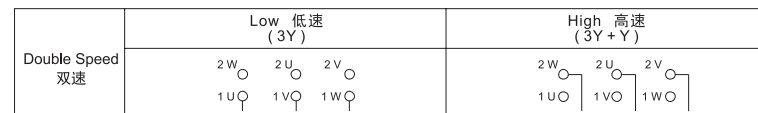
备注: 1、以上所有参数均由380V~ / 50Hz / 3Ph进行测试。  
2、可根据客户的额定电压和频率来订做合适的产品。

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

The internal wiring is  $\Delta/2Y$  and external wiring shows as below.  
配套电机内部接线为 $\Delta/2Y$ ，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: 以电机盒的接线图为准。