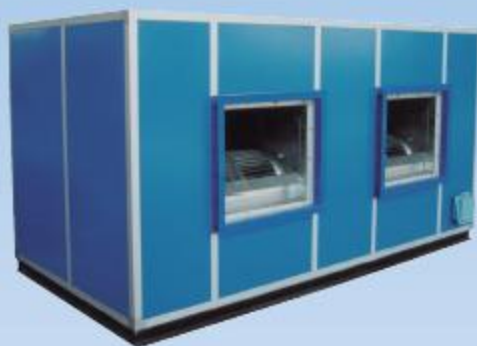




HTFD、HG Power-saving & Low-noise Fan Unit



HG 型箱式离心风机



HTFD 型箱式离心风机



HTFD、HG 系列节能低噪声风机箱

HTFD、HG Power-saving & Low-noise package Fan

HTFD、HG 系列节能低噪声风机箱系引进德国、日本先进技术,通过上海交通大学、北京航空航天大学及本公司研究中心进行吸收、消化、提高研制成功的一机两用(通风和消防)箱体式离心风机,是在 HTFC 的基础上进行改进优化的新一代产品。具有效率高、噪声低、耐高温、性能优良、结构新颖、振动小、重量轻、安装方便等优点,是目前高层建筑通风暨消防排烟两用的新型产品,畅销全国各地,还批量出口东南亚地区,深受用户好评。

HTFD, HG series fan units, the new products originated from HTFC, are designed and developed by Shanghai Jiaotong University and Beijing University of Aviation and Aerospace, based on the absorption, digestion, improvement of advanced technologies from Japan and Germany. Power-saving and low-noise HTFD, HG series fan units can be widely applied in large building both for ventilation and fire protection. With the features of high efficiency, low noise, high temperature resistance, excellent performance, compact structure, smooth operation, light weight and easy installation, the products are popular in domestic and abroad market, and win high praise for the high quality.

用途

本系列产品结构形式分 A 型、B 型、HG 型三种,即电动机安装在箱体内的为 A 型(A 型为通风型),电动机安装在箱体外的为 B 型(B 型为消防型),箱体内风机配用外转子电机的风机箱为 HG 型。同一机号达到不同的性能参数又分为 I 型和 II 型;I 型配用单速电机,II 型配用双速电机。

1、应用场所:可供宾馆、饭店、礼堂、地下室、厂矿企业的车间、办公楼等需要消防并通风换气的场合使用,用户可根据不同使用场合和不同用途作不同的选择。

2、使用时输送的空气要求:气体内不许有较粘性的物质,所含的尘土硬质颗粒物不大于 $50\text{mg}/\text{m}^3$ 。

3、输送气体的温度:经耐高温试验,烟气在 280°C 高温情况下,连续运转 40 分钟以上,达到消防排烟之目的(本产品经国家消防检测部门检测,在温度 400°C 时,连续运行 80 分钟以上)。

4、本产品试验符合 GB/T1236-2000《工业通风机用标准化风道进行性能试验》和 GB/T9068-1988《采暖通风与空气调节设备噪声声功率级的测定工程法》标准。

Application

There are three types of A, B and HG. For type A, the motor is mounted inside of the casing. And mounting the motor out of the casing for type B. The external rotator motor is applied in HG package fan. And for performance, there are two kinds of I, II for each type as well. The single speed fan is I, and double speed fan is II.

- 1.Applications: Suitable for ventilation and fire fighting in hotel, cinema, basement, office building, etc.
- 2.Requirements for air: Impermissible of sticky matter in the air. Dust and particles no more than 50mg/m.
- 3.Temperature :In high temperature test, the fan can operate for over 40minutes/280°C, which has approved that the fan can meet the requirement of fire fighting. (During the test by The National Fire-Resistant Equipment Quality Supervision & Examination Center, The fan can operate for over 80 min./400°C)
- 4.Standards: GB/T1236-2000"Standardized Duct Test for Industrial Fan",
GB/T9068-1998"Measurement of Sound Power Level for HVAC Equipment"

型号说明

HTFD- I . II -No A.B

A	指通风用	A for ventilation
B	指消防用	B for fire fighting
No	风机型号	Fan type
I	表示电机为单速	Single-speed motor
II	表示电机为双速	Double-speed motor
HTFD	表示节能型低噪声风机箱	Power-saving & Low noise package Fan

注:订货时还应注明风机的进出口位置的编号。

Note:When order, the position of fan's inlet and outlet should be indicated.

HG - *** - ** - *

*	出风方向 Outlet direction
H	水平出风 H: horizontal outlet
V	垂直出风 V: vertical outlet
**	配套风机数量 Fan Qty
***	风量 *** × 100(m³/h) Air Flow *** × 100(m³/h)
HG	外转子风机的风机箱 Package Fan with external rotator motor

HTFD-I 性能参数表
Performance
HTFD-I-9* 节能低噪声风机箱性能参数

转速 Speed rpm	工况 Work Condition	风量 Air Flow m³/h	静压 Static Pressure Pa	配用电机 Motor		噪声 Noise dB(A)	重量 Weight Kg	
				型号 Type	功率 Power kW		A	B
1900	1	2270	499	Y90S-4	1.1	65	115	97
	2	2600	515					
	3	3160	510					
	4	3530	483					
	5	3980	453					
1700	1	2050	415	Y802-4	0.75	63	106	88
	2	2355	422					
	3	2860	419					
	4	3230	398					
	5	3600	372					
1500	1	1770	309	Y801-4	0.55	60	105	87
	2	2030	314					
	3	2465	312					
	4	2785	295					
	5	3150	277					

HTFD-I-10* 节能低噪声风机箱性能参数

转速 Speed rpm	工况 Work Condition	风量 Air Flow m³/h	静压 Static Pressure Pa	配用电机 Motor		噪声 Noise dB(A)	重量 Weight Kg	
				型号 Type	功率 Power kW		A	B
1800	1	2910	599	Y100L1-4	2.2	66	134	112
	2	3330	609					
	3	4050	603					
	4	4530	571					
	5	5100	536					
1700	1	2630	491	Y90L-4	1.5	64	127	105
	2	3020	499					
	3	3670	495					
	4	4140	470					
	5	4620	440					
1500	1	2270	365	Y90S-4	1.1	60	119	97
	2	2600	371					
	3	3160	369					
	4	3570	349					
	5	3980	327					

HTFD-I-12* 节能低噪声风机箱性能参数

转速 Speed rpm	工况 Work Condition	风量 Air Flow m³/h	静压 Static Pressure Pa	配用电机 Motor		噪声 Noise dB(A)	重量 Weight Kg	
				型号 Type	功率 Power kW		A	B
1600	1	4550	579	Y100L2-4	3.0	67	175	150
	2	5240	589					
	3	6330	585					
	4	7150	554					
	5	7970	520					
1400	1	4000	448	Y100L1-4	2.2	64	171	146
	2	4610	456					
	3	5570	453					
	4	6290	428					
	5	7010	402					
1300	1	3630	370	Y90L-4	1.5	62	164	139
	2	4190	377					
	3	5070	374					
	4	5720	354					
	5	6375	332					

HTFD-I-15* 节能低噪声风机箱性能参数

转速 Speed rpm	工况 Work Condition	风量 Air Flow m³/h	静压 Static Pressure Pa	配用电机 Motor		噪声 Noise dB(A)	重量 Weight Kg	
				型号 Type	功率 Power kW		A	B
1050	1	7150	551	Y112M-4	4	68	225	195
	2	8185	561					
	3	9950	557					
	4	11240	526					
	5	12530	494					
1000	1	6700	483	Y100L2-4	3	67	220	190
	2	7670	493					
	3	9330	489					
	4	10370	465					
	5	11750	435					
850	1	5950	382	Y100L1-4	2.2	65	216	186
	2	6820	389					
	3	8040	383					
	4	9260	368					
	5	10440	343					

HTFD-I-18* 节能低噪声风机箱性能参数

转速 Speed r/min	工况 Work Condition	风量 Air Flow m³/h	静压 Static Pressure Pa	配用电机		噪声 Noise dB(A)	重量 Weight Kg	
				型号 Type	功率 Power kW		A	B
1000	1	9540	612	Y132M-4	7.5	71	308	273
	2	10920	623					
	3	13280	619					
	4	15000	586					
	5	16720	549					
900	1	8490	483	Y132S-4	5.5	68	295	260
	2	9710	493					
	3	11820	489					
	4	13340	463					
	5	14880	435					
800	1	7420	370	Y112M-4	4	65	273	238
	2	8495	377					
	3	10330	374					
	4	11670	354					
	5	13000	333					

HTFD-I-20* 节能低噪声风机箱性能参数

转速 Speed r/min	工况 Work Condition	风量 Air Flow m³/h	静压 Static Pressure Pa	配用电机		噪声 Noise dB(A)	重量 Weight Kg	
				型号 Type	功率 Power kW		A	B
1000	1	13080	757	Y160M-4	11	72	398	358
	2	14890	770					
	3	18230	764					
	4	20580	723					
	5	22940	680					
900	1	11630	597	Y132M-4	7.5	70	355	315
	2	13320	609					
	3	16200	603					
	4	18300	571					
	5	20390	536					
800	1	10170	457	Y132S-4	5.5	67	342	302
	2	11650	465					
	3	14170	462					
	4	16010	437					
	5	17840	410					

HTFD-I 性能参数表

Performance

HTFD-I-22* 节能低噪声风机箱性能参数

转速 Speed rpm	工况 Work Condition	风量 Air Flow m³/h	静压 Static Pressure Pa	配用电机 Motor		噪声 Noise dB(A)	重量 Weight Kg	
				型号 Type	功率 Power kW		A	B
850	1	16340	749	Y160M-4	11	74	454	404
	2	18710	763					
	3	22760	757					
	4	25700	717					
	5	28130	679					
750	1	14290	573	Y132M-4	7.5	71	401	361
	2	16370	584					
	3	19910	580					
	4	22490	558					
	5	25070	515					
650	1	12250	422	Y132M2-6	5.5	68	414	374
	2	14030	430					
	3	17070	426					
	4	19280	410					
	5	21490	379					

HTFD-I-25* 节能低噪声风机箱性能参数

转速 Speed rpm	工况 Work Condition	风量 Air Flow m³/h	静压 Static Pressure Pa	配用电机 Motor		噪声 Noise dB(A)	重量 Weight Kg	
				型号 Type	功率 Power kW		A	B
800	1	20350	726	Y160L-4	15	73	521	467
	2	23310	739					
	3	28350	734					
	4	32020	695					
	5	35040	657					
700	1	19980	533	Y160M-4	11	70	504	444
	2	22140	542					
	3	24300	539					
	4	27450	510					
	5	30590	482					
600	1	18320	448	Y160M-6	7.5	69	501	441
	2	20300	455					
	3	22283	453					
	4	25170	429					
	5	28050	405					

HTFD-I-28* 节能低噪声风机箱性能参数

转速 Speed rpm	工况 Work Condition	风量 Air Flow m³/h	静压 Static Pressure Pa	配用电机 Motor		噪声 Noise dB(A)	重量 Weight Kg	
				型号 Type	功率 Power kW		A	B
750	1	34300	817	Y180L-4	22	77	621	557
	2	37980	860					
	3	42965	852					
	4	46310	849					
	5	50855	819					
700	1	31665	697	Y180M-4	18.5	75	597	532
	2	35060	732					
	3	39660	726					
	4	42750	724					
	5	46940	698					
650	1	29020	585	Y180L-6	15	74	610	545
	2	32510	615					
	3	36350	610					
	4	39180	608					
	5	43020	587					

HTFD-I-30* 节能低噪声风机箱性能参数

转速 Speed rpm	工况 Work Condition	风量 Air Flow m³/h	静压 Static Pressure Pa	配用电机 Motor		噪声 Noise dB(A)	重量 Weight Kg	
				型号 Type	功率 Power kW		A	B
620	1	35080	790	Y200L2-6	22	76	798	728
	2	38870	788					
	3	42660	785					
	4	48200	743					
	5	53710	697					
580	1	32150	664	Y200L1-6	18.5	75	773	703
	2	35630	663					
	3	39110	659					
	4	44180	626					
	5	49240	586					
530	1	29230	549	Y180L-6	15	73	724	654
	2	32390	548					
	3	35550	545					
	4	40160	517					
	5	44760	484					

HTFD-I-36* 节能低噪声风机箱性能参数

转速 Speed rpm	工况 Work Condition	风量 Air Flow m³/h	静压 Static Pressure Pa	配用电机 Motor		噪声 Noise dB(A)	重量 Weight Kg	
				型号 Type	功率 Power kW		A	B
580	1	44480	835	Y225M-6	30	76	972	887
	2	51985	846					
	3	58160	843					
	4	64670	841					
	5	72040	839					
520	1	40035	676	Y200L2-6	22	74	930	845
	2	46785	686					
	3	52345	683					
	4	58200	681					
	5	64835	680					
480	1	35585	534	Y200L1-6	18.5	72	905	820
	2	41590	542					
	3	46430	540					
	4	51735	539					
	5	57633	537					

HTFD-I-40* 节能低噪声风机箱性能参数

转速 Speed rpm	工况 Work Condition	风量 Air Flow m³/h	静压 Static Pressure Pa	配用电机 Motor		噪声 Noise dB(A)	重量 Weight Kg	
				型号 Type	功率 Power kW		A	B
550	1	53325	921	Y250M-6	37	77	1164	1074
	2	60195	910					
	3	66615	916					
	4	75020	984					
	5	79245	989					
500	1	47995	746	Y225M-6	30	75	1066	976
	2	54175	737					
	3	59952	742					
	4	67515	797					
	5	74640	829					
430	1	42660	590	Y200L2-6	22	73	1024	934
	2	48155	582					
	3	53290	586					
	4	60015	629					
	5	66345	655					

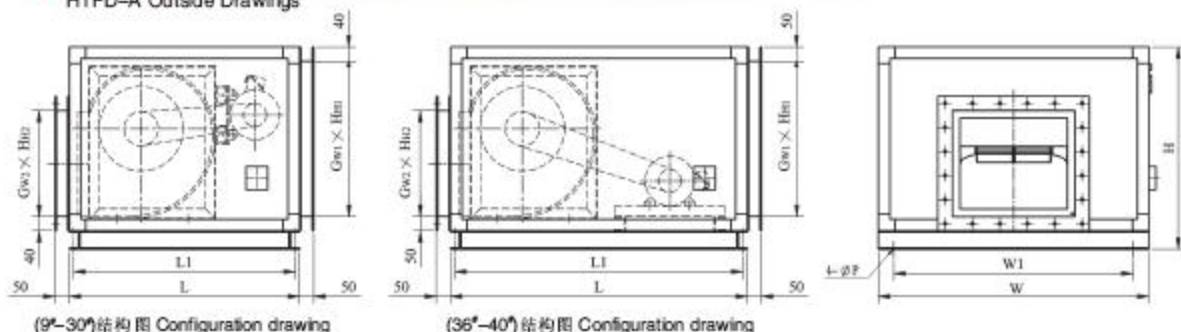
HTFD- II -15~30° 节能低噪声风机箱性能参数
Performance

型号 Type	转速 Speed rpm	工况 Work Condition	风量 Air Flow m³/h	静压 Static Pressure Pa	配用电机 Motor		噪声 Noise dB(A)	重量 Weight Kg	
					型号 Type	功率 Power kW		A	B
15°	685	1	6023	252	YD132S-6/4	3/4	60	245	215
		2	7050	240					
		3	7904	226					
	1030	1	9070	559			68		
		2	10600	542					
		3	11885	510					
18°	700	1	8367	298	YD160M-6/4	6.5/8	63	346	311
		2	9780	287					
		3	10960	275					
	1050	1	12550	668			69		
		2	14670	647					
		3	16440	610					
20°	750	1	12450	431	YD180L-8/6	9/12	64	498	458
		2	14560	418					
		3	16320	395					
	1000	1	16605	767			71		
		2	19410	744					
		3	21760	702					
22°	615	1	15550	428	YD180L-8/6	9/12	67	530	480
		2	18175	415					
		3	20185	392					
	820	1	20735	760			73		
		2	24230	737					
		3	26915	698					
25°	600	1	21290	454	YD200L1-8/6	12/17	68	630	570
		2	23725	441					
		3	26610	416					
	800	1	28390	807			74		
		2	31630	784					
		3	35145	740					
28°	540	1	28630	488	YD200L1-8/6	15/20	70	725	660
		2	32390	484					
		3	34910	482					
	720	1	37980	860			76		
		2	42965	852					
		3	46310	849					
30°	435	1	32000	442	YD200L2-8/6	15/20	70	839	769
		2	36150	418					
		3	39880	392					
	580	1	42660	785			76		
		2	48220	743					
		3	53170	697					

HTFD 系列节能低噪声风机箱外型尺寸 HTFD Outside Dimension

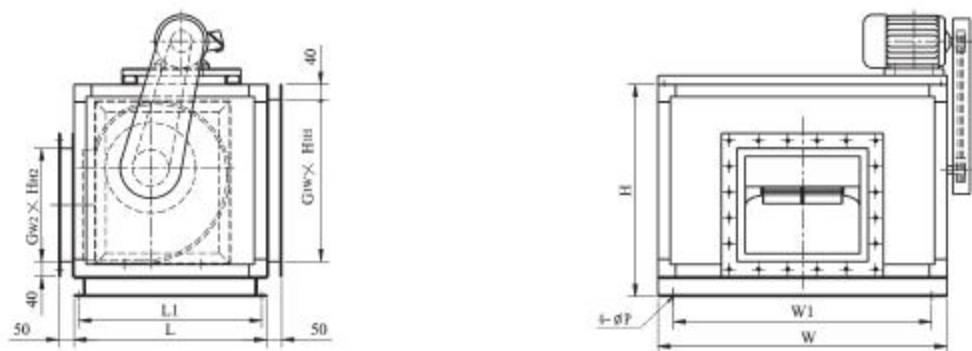
HTFD-A 型节能低噪声风机箱外型图

HTFD-A Outside Drawings



HTFD-B 型节能低噪声风机箱外型图

HTFD-B Outside Drawings



HTFD-A.B 型节能低噪声风机箱外型尺寸表

HTFD-A.B Outside Dimension Table

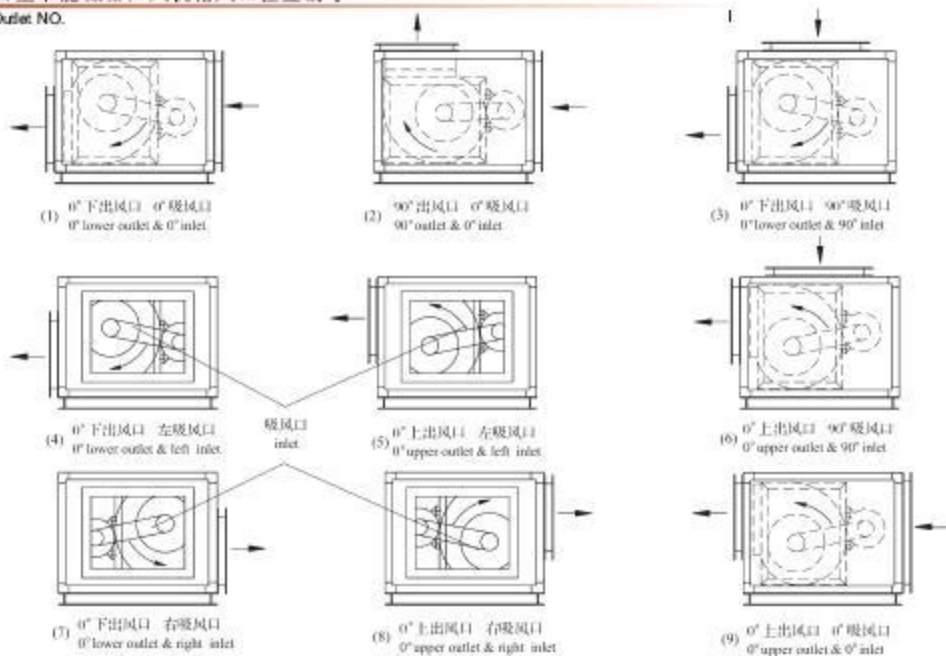
箱体型号 Package type	风机型号 fan type	L		L1		W	W1	H	进风口 Inlet		出风口 Outlet		P	槽钢底架 Channel steel base
		A 型	B 型	A 型	B 型				Gw1	Hm	Gw2	Hm2		
HTFD-9	TRZ200C	750	580	722	552	730	630	520	500	388	300	300	12.5	50
HTFD-10	TRZ225C	820	620	792	592	780	680	560	540	428	330	330		
HTFD-12	TRZ250C	850	680	822	652	820	720	620	600	488	365	365		
HTFD-15	TRZ355C	1100	920	1070	890	1030	930	800	840	655	500	500	14.5	63
HTFD-18	TRZ400C	1250	970	1220	940	1100	1000	900	890	755	550	550		
HTFD-20	TRZ450C	1400	1060	1370	1030	1200	1100	1000	980	855	610	610		
HTFD-22	TRZ500C	1500	1180	1470	1150	1250	1130	1095	1100	950	680	680		
HTFD-25	TRZ560C	1650	1270	1620	1240	1350	1230	1200	1190	1055	760	760	16.5	80
HTFD-28	TRZ630C	1800	1400	1770	1370	1450	1350	1340	1320	1180	850	850		
HTFD-30	TRZ710T	1900	1550	1870	1520	1600	1500	1480	1470	1320	950	950		
HTFD-36	TRZ800T	2350	1750	2310	1710	1750	1650	1650	1650	1450	1050	1050	20.5	100
HTFD-40	TRZ900T	2600	1900	2560	1860	1900	1800	1850	1800	1650	1170	1170		

HTFD 系列节能低噪声风机箱风口位置编号

HTFD Inlet and outlet positions

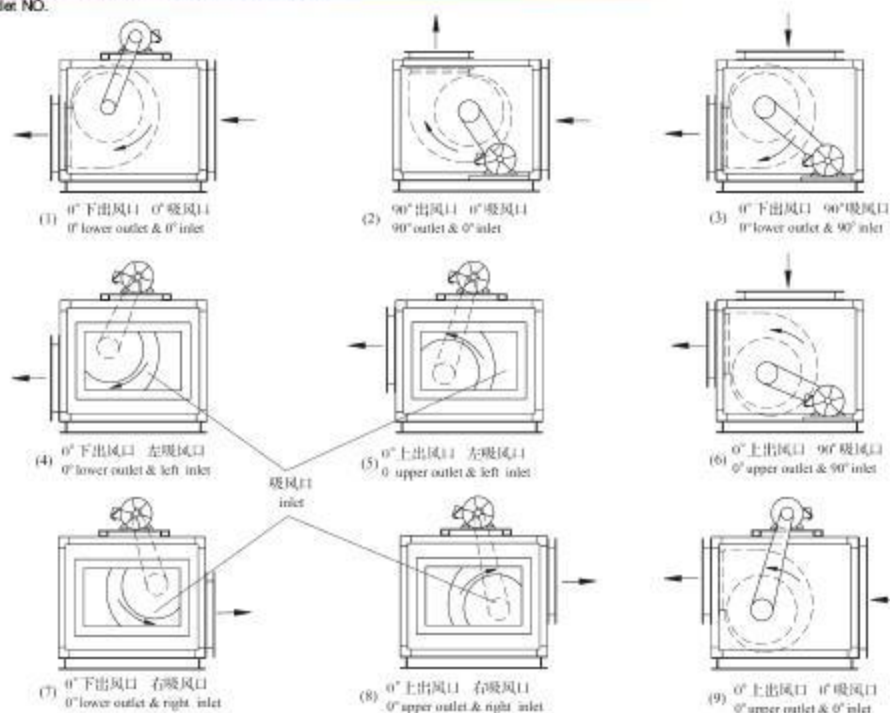
HTFD-A 型节能低噪声风机箱风口位置编号

HTFD-A Outlet NO.



HTFD-B 型节能低噪声风机箱风口位置编号

HTFD-B Outlet NO.



注:订货时请注明风机箱电机放置位置

When order, please indicate the location of the motor

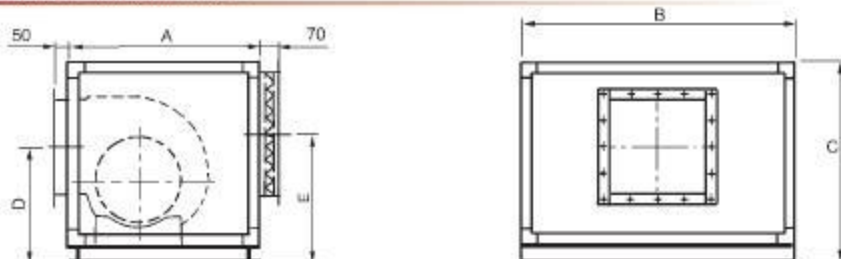
HG 风机箱性能参数表
HG Performance

序号 NO.	型号 Type	风量 Air Flow m ³ /h	全压 Total Pressure Pa	配套风机 Fan		配用电机 Motor	噪声 Noise dB(A)	重量 Weight Kg
				型号 Type	数量 Qty			
1	HG020A1	2000	216	TRD-250	1	YDW0.37-6	55	85
2	HG030A1	3000	314	TRD-280	1	YDW0.55-6	58	90
3	HG040A1	4000	402	TRD-355	1	YDW1.8-6	60	183
4	HG040A2	4000	216	TRD-250	2	YDW0.37-6	58	150
5	HG050A1	5000	441	TRD-355	1	YDW1.8-6	62	189
6	HG060A1	6000	502	TRD-355	1	YDW2.2-6	63	217
7	HG060A2	6000	314	TRD-280	2	YDW0.55-6	61	160
8	HG060A3	6000	216	TRD-250	3	YDW0.37-6	60	180
9	HG070A1	7000	579	TRD-400	1	YDW2.2-6	65	223
10	HG080A1	8000	620	TRD-400	1	YDW3-6	65	242
11	HG080A2	8000	402	TRD-355	2	YDW1.8-6	63	300
12	HG090A1	9000	637	TRD-400	1	YDW3-6	63	287
13	HG090A3	9000	314	TRD-280	3	YDW0.55-6	63	200
14	HG100A1	10000	700	TRD-450	1	YDW4-6	67	301
15	HG100A2	10000	441	TRD-355	2	YDW1.8-6	65	304
16	HG120A1	12000	725	TRD-450	1	YDW5.5-6	68	321
17	HG120A2	12000	502	TRD-355	2	YDW2.2-6	65	227
18	HG120A3	12000	402	TRD-355	3	YDW1.8-6	65	388
19	HG140A2	14000	579	TRD-400	2	YDW2.2-6	67	243
20	HG150A3	15000	441	TRD-355	3	YDW1.8-6	65	424
21	HG160A2	16000	620	TRD-400	2	YDW3-6	67	272
22	HG180A2	18000	637	TRD-400	2	YDW3-6	67	482
23	HG200A2	20000	700	TRD-450	2	YDW4-6	68	521
24	HG240A2	24000	725	TRD-450	2	YDW5.5-6	69	541
25	HG300A2	30000	882	TRD-500	2	YDW7.5-6	70	560
26	HG300A3	30000	700	TRD-450	3	YDW4-6	70	571

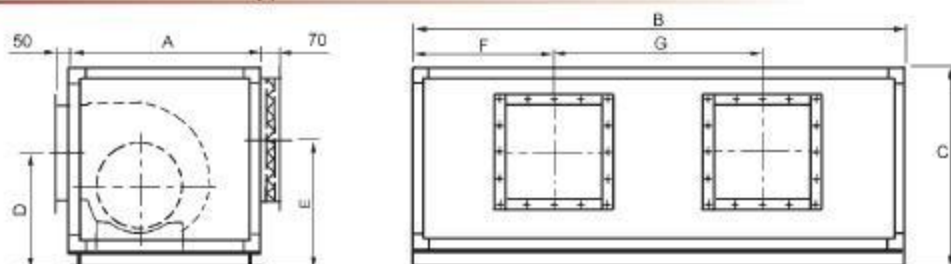
HG 风机箱水平出风示意图配外转子电机

Figures for type HG package fan with horizontal outlet

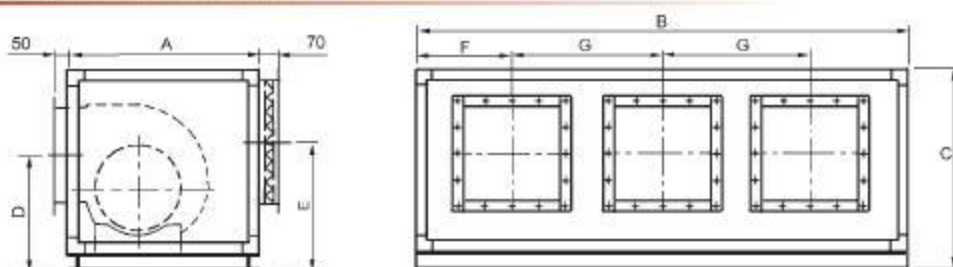
单风机型 Sing fan type



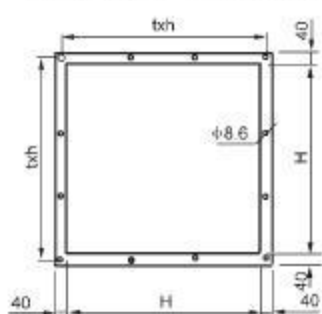
双风机型 Double fan type



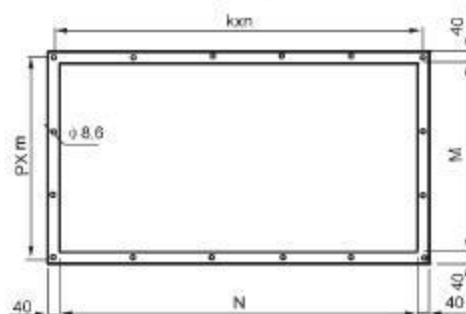
三风机型 Three fan type



出风口法兰 Outlet flange



进风口法兰 Inlet flange



HG 风机箱水平出风外形尺寸表配外转子电机

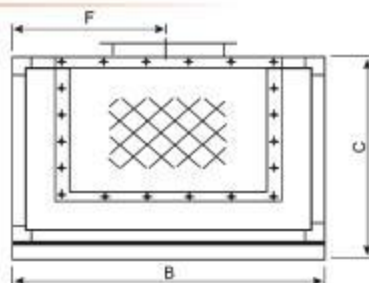
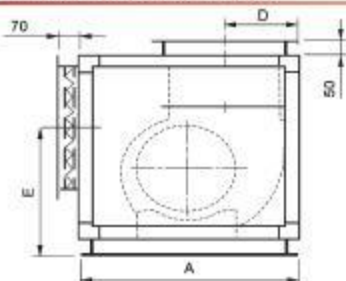
Outside dimension table for type HG package fan with horizontal outlet and external rotor motor

NO.	尺寸 型号	A	B	C	D	E	F	G	M	N	P	m	k	n	H	t	h
1	HG020A1H	700	700	600	355	325	350	0	470	620	4	127.5	6	110	365	4	101
2	HG030A1H	700	750	660	394	355	375	0	530	620	5	114	6	110	405	4	111
3	HG040A1H	850	1000	810	495	438	500	0	665	700	5	117.5	7	106	500	5	108
4	HG040A2H	700	1250	600	355	352	350	550	470	800	4	127.5	7	120	365	4	101
5	HG050A1H	850	1000	810	495	438	500	0	665	700	6	117.5	7	106	500	5	108
6	HG060A1H	850	1000	810	495	428	500	0	665	920	6	117.5	8	120	500	5	108
7	HG060A2H	700	1350	660	394	355	375	600	530	900	5	114	8	117.5	405	4	111
8	HG060A3H	700	1800	600	355	325	350	550	470	1400	4	127.5	10	144	365	4	101
9	HG070A1H	1000	1200	900	550	483	600	0	760	800	6	133.5	7	120	550	5	118
10	HG080A1H	1000	1200	900	550	483	600	0	760	800	6	133.5	7	120	550	5	118
11	HG080A2H	850	1700	810	495	438	475	750	665	1300	6	117.5	10	134	500	5	108
12	HG090A1H	1000	1200	900	550	483	600	0	760	1100	6	133.5	10	114	550	5	118
13	HG090A3H	700	1950	660	394	355	375	600	530	1550	5	114	12	132.5	405	4	111
14	HG100A1H	1100	1300	985	615	525	650	0	840	1220	7	126	10	126	610	6	108
15	HG100A2H	850	1700	810	495	438	475	750	665	1300	6	117.5	10	134	500	5	108
16	HG120A1H	1100	1300	985	615	525	650	0	840	1220	7	126	10	126	610	6	108
17	HG120A2H	850	1700	810	495	438	475	750	665	1300	6	117.5	10	134	500	5	108
18	HG120A3H	850	2450	810	495	438	475	750	665	1800	6	117.5	16	115	500	5	108
19	HG140A2H	1000	2000	900	550	483	575	850	760	1600	6	133.5	14	117	550	5	118
20	HG150A3H	850	2450	810	495	438	475	750	665	1800	6	117.5	16	115	500	5	108
21	HG160A2H	1000	2000	900	550	483	575	850	760	1600	6	133.5	14	117	550	5	118
22	HG180A2H	1000	2000	900	550	483	575	850	760	1600	6	133.5	14	117	550	5	118
23	HG200A2H	1100	2100	1000	630	540	600	900	840	2020	7	126	16	129	610	6	108
24	HG240A2H	1100	2100	1000	630	540	600	900	840	2020	7	126	16	129	610	6	108
25	HG300A2H	1200	2400	1100	682	590	650	1100	940	2320	8	122.5	20	118	680	6	120
26	HG300A3H	1100	3000	1000	630	540	600	900	840	2400	7	126	20	122	610	6	108

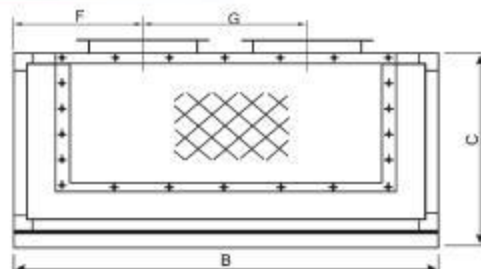
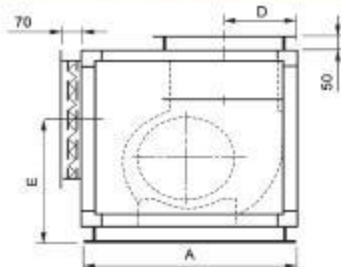
HG 风机箱垂直出风示意图配外转子电机

Figures for type HG package fan with vertical outlet

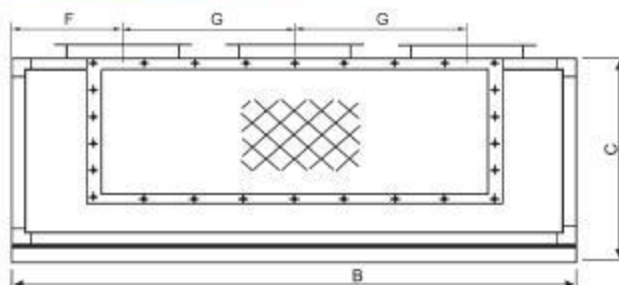
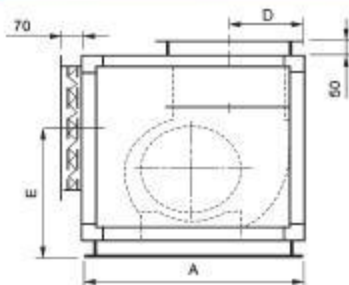
单风机型 Sing fan type



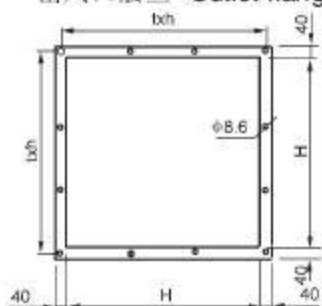
双风机型 Double fan type



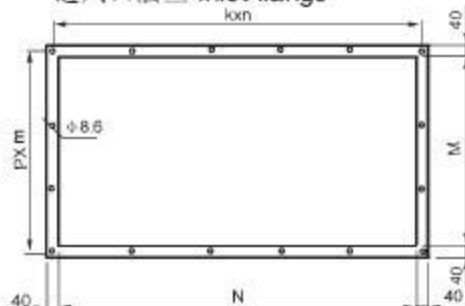
三风机型 Three fan type



出风口法兰 Outlet flange



进风口法兰 Inlet flange



HG 风机箱垂直上出风外形尺寸表配外转子电机

Outside dimension table for type HG package fan with vertical outlet and external rotator motor

NO.	尺寸 型号	A	B	C	D	E	F	G	M	N	P	m	k	n	H	t	h
1	HG020A1V	700	700	600	222	325	350	0	470	620	4	127.5	6	110	365	4	101
2	HG030A1V	700	750	660	242	355	375	0	530	620	5	114	6	110	405	4	111
3	HG040A1V	850	1000	810	290	428	500	0	665	700	5	117.5	7	106	500	5	108
4	HG040A2V	700	1250	600	222	325	350	550	470	800	4	127.5	7	120	365	4	101
5	HG050A1V	850	1000	810	290	438	500	0	665	700	6	117.5	7	106	500	5	108
6	HG060A1V	850	1000	810	290	438	500	0	665	920	6	117.5	8	120	500	5	108
7	HG060A2V	700	1350	660	242	355	375	600	530	900	5	114	8	117.5	405	4	111
8	HG060A3V	700	1800	600	222	325	350	550	470	1400	4	127.5	10	144	365	4	101
9	HG070A1V	1000	1200	900	315	483	600	0	760	800	6	133.5	7	120	550	5	118
10	HG080A1V	1000	1200	900	315	483	600	0	700	800	6	133.5	7	120	550	5	118
11	HG080A2V	850	1700	810	290	438	475	750	665	1300	6	117.5	10	134	500	5	108
12	HG090A1V	1000	1200	900	315	483	600	0	760	1100	6	133.5	10	114	550	5	118
13	HG090A3V	700	1950	660	242	355	375	600	530	1550	5	114	12	132.5	405	4	111
14	HG100A1V	1100	1300	985	345	525	650	0	840	1220	7	126	10	126	610	6	108
15	HG100A2V	850	1700	810	290	438	475	750	665	1300	6	117.5	10	134	500	5	108
16	HG120A1V	1100	1300	985	345	525	650	0	840	1220	7	126	10	126	610	6	108
17	HG120A2V	850	1700	810	290	438	475	750	665	1300	6	117.5	10	134	500	5	108
18	HG120A3V	850	2450	810	290	438	475	750	665	1800	6	117.5	16	115	500	5	108
19	HG140A2V	1000	2000	900	315	483	575	850	760	1600	6	133.5	14	117	500	5	108
20	HG150A3V	850	2450	810	290	438	475	750	665	1800	6	117.5	16	115	500	5	108
21	HG160A2V	1000	2000	900	315	783	575	850	760	1600	6	133.5	14	117	500	5	108
22	HG180A2V	1000	2000	900	315	783	575	850	760	1600	6	133.5	14	117	550	5	118
23	HG200A2V	1100	2100	1000	345	540	600	900	840	2020	7	126	16	129	610	6	108
24	HG240A2V	1100	2100	1000	345	540	600	900	840	2020	7	126	16	129	610	6	108
25	HG300A2V	1200	2400	1100	380	590	650	1100	940	2320	8	122.5	20	118	680	6	120
26	HG300A3V	1100	3000	1000	345	540	600	900	840	2400	7	126	20	122	610	6	108

HTFD 系列节能低噪声风机箱使用、维护与保养

HTFD Series Power-saving & Low-noise Fan Units Maintenance

1、维护保养

- A、安装前应认真检查风机叶轮及机壳有无因运输而变形碰壳,检查螺栓是否紧固,否则应待调整或拧紧螺栓后方可安装使用。
- B、排烟管道与排烟风机应设有连锁装置,当任何一个排烟口开启时,排烟风机即能自动启动。
- C、风机启动前首先要检查风机及管道内有无妨碍转动的物品。
- D、安装后,定期检查风机各部件,以保证风机能随时启动,正常运行。
- E、叶轮旋转方向设有箭头标记,试运转时,请注意顺(逆)转方向。

2、风机常见故障分析

- (1) 如风机发生振动,可从下述几个方面进行检查:
 - A、叶轮旋转时稍有一点碰擦,此时会发出异常的声响和激烈的振动;
 - B、风机连接处特别是底脚螺栓未紧固;
 - C、叶轮受压变形、叶轮与轴套间的联接件松动或轴承损坏;
- (2) 电机发热,常温下运行一小时后,发现电机温升过高,可以从下列几个方面进行检查:
 - A、电机轴承损坏;
 - B、电机轴与风机主轴安装不到位;
 - C、系统阻力过小,电机超负荷运行(风机选型不匹配)或管路系统的阀门全开;
 - D、电压过低。

- 3、本公司竭诚欢迎用户提出宝贵意见,凡是在使用中碰上什么问题,应尽量向本公司提出,本公司愿为用户提供优质的产品和服务。

1、Maintenance

- A. Inspection should be conducted prior to installation for any damage on fan blades and casing during the transportation, and check for proper tension of bolts, before mounting or operation.
 - B. Interlocking mechanism should be equipped between exhausting duct and smoke exhausting fan, i.e. fan will startup automatically when any of outlet is open.
 - C. Make sure there is no foreign matter in fan and duct before the fan turned on.
 - D. Regular check should be taken for all parts in order to make that fan can be turned on and operated at any time.
 - E. Rotation direction of impeller must coincide with the arrow on the casing.
2. Analysis on common breakdowns:
- (1) Vibration: Many factors may cause vibration, please check as follows:
 - A. Blade touches casing during rotation, abnormal noise and excessive vibration could be noticed it.
 - B. Fan support anchor bolts are not tightened properly.
 - C. Impeller deformation in transportation, loose connection between impeller and bushing, or bearing damage.
 - (2) Motor over-heating: After running for an hour in normal ambient temperature, one or more of the following reasons could cause motor over-heating.
 - A. Motor bearing breaks down.
 - B. Alignment of motor shaft with fan is out of designed tolerance.
 - C. Motor is overload for fan was selected improperly for the system, or, all valves are open.
 - D. Voltage of power source is too low.
3. The company sincerely welcomes you to put forward proposals for us and contact us if you have any problem. It should be our pleasure to submit high quality goods and service for you.