

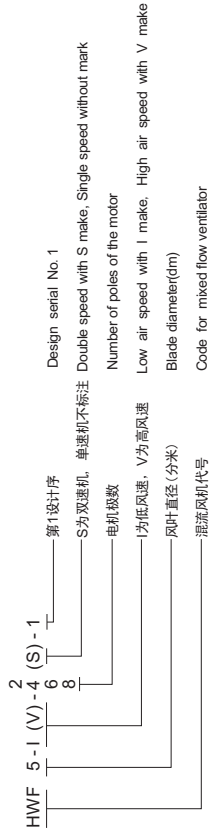
HWF Mixed Flow Ventilator HWF混流风机



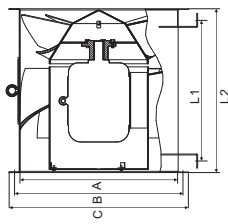
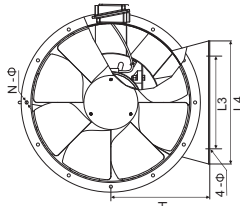
The Mixed-Flow Ventilator is also known as Meridionally-Accelerated Axial Flow Fan. The meridional velocity will be accelerated when the airstream travels through the impeller and thus it achieves high total pressure coefficient, high efficiency, flat efficiency curve, low noise level, stable performance. 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 fan. Its major applications include industrial and mining enterprises, hotels, shopping malls and high-rise buildings for boosting the air flow in the ductwork.

混流风机亦称子午加速混流风机。这种风机当气流经过叶轮后，它的子午速度得到了增加。因此它的总压系数高，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。进风口加装集流器或弧形消音筒的结构形式。压力较轴向风机高，风量较离心风机大。混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



Dimension Table 尺寸表

Units: 单位:mm

型号 Model No.	A	B	C	L1	L2	L3	L4	H	N-φ
2.5	260	285	330	280	360	140	220	4-φ10	180
3	310	345	380	305	375	160	260	4-φ10	215
3.5	360	395	430	330	400	200	300	4-φ10	240
4	410	445	480	470	545	240	340	4-φ12	265
4.5	460	495	530	520	595	280	380	4-φ12	290
5	510	545	580	600	665	300	400	4-φ12	320
5.5	560	595	630	605	680	340	440	4-φ12	340
6	610	655	690	650	735	380	480	4-φ14	375
6.5	660	705	750	690	770	420	520	4-φ14	400
7	710	755	800	750	830	440	560	4-φ14	425
7.5	760	805	850	805	885	480	600	4-φ14	450
8	810	855	900	820	900	520	640	4-φ14	475
8.5	860	905	950	845	925	560	680	4-φ14	500
9	910	955	1000	895	985	560	720	4-φ18	525
9.5	960	1005	1050	1010	1100	600	760	4-φ18	550
10	1010	1055	1100	1060	1150	600	800	4-φ18	575
11.2	1120	1170	1210	1200	1310	700	900	4-φ18	635
12.5	1260	1305	1350	1420	1510	800	1000	4-φ18	700

HWF Mixed Flow Ventilator HWF混流风机

HWF-I Electrical Ratings 技术参数

型号 Model No.	转速 Rotating Speed (R.P.M.)	设计序号 Serial No.	风量 Volume (m³/h)	全压 Pressure (Pa)	噪音 Noise (dB)	功率 Power (kw)	净重 Weight (kg)
4	1450	1	4307	145	145	0.37	50
		2	3641	177	71		
		3	3058	214			
4.5	1450	1	4557	209	73	0.55	60
		2	4045	218			
		3	3397	267			
5	1450	1	7438	222	77	1.1	77
		2	6669	280			
		3	5257	328			
6	1450	1	10005	202	79	1.5	105
		2	8905	264			
		3	8126	327			
7	1450	1	18605	331	82	3	202
		2	15321	372			
		3	11785	472			
7	960	1	12055	126	74	1.1	165
		2	10145	164			
		3	7804	208			
8	1450	1	41267	562	91	11	290
		2	35586	669			
		3	28153	874			
8	960	1	25472	195	82	4	215
		2	22429	284			
		3	18636	384			
9	1450	1	56671	646	86	18.5	410
		2	51595	847			
		3	48049	983			
9	960	1	34211	284	82	5.5	280
		2	32051	372			
		3	27179	432			
10	1450	1	66546	706	93	22	600
		2	61326	753			
		3	55763	806			
10	960	1	44059	290	86	7.5	320
		2	40603	331			
		3	36821	373			
11.2	1450	1	73606	711	94	22	620
		2	68634	791			
		3	63917	845			
11.2	960	1	48734	312	86	11	420
		2	46104	348			
		3	43577	378			
12.5	960	1	85728	765	95	30	685
		2	81098	839			
		3	76036	888			
12.5	720	1	60825	473	91	15	540
		2	56925	473			
		3	52331	461			
13	960	1	95425	787	95	30	715
		2	90276	859			
		3	84938	906			
13	720	1	71570	443	91	15	560
		2	67707	484			
		3	63704	560			

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 Serial No.	风量 Volume (m³/h)	全压 Pressure (Pa)	噪音 Noise (dB)	功率 Power (kw)	净重 Weight (kg)
7	1450	1	18805	331	82	3/4	205
		2	15324	372			
		3	11785	472			
(Double Speed)	960	1	12055	126	73		
		2	10145	164			
		3	7804	208			
8	1450	1	41261	562	91		
		2	35385	669			
		3	28153	874			
(Double Speed)	960	1	25472	195	82	9/11	290
		2	22429	284			
		3	18641	384			
9	1450	1	56671	646	92		
		2	51595	847			
		3	48049	983			
(Double Speed)	960	1	34211	284	86	18/62	410
		2	32051	372			
		3	27179	432			
10	1450	1	66546	706	93		
		2	61326	753			
		3	55763	806			
(Double Speed)	960	1	44059	230	86	24/85	590
		2	40603	331			
		3	36821	373			
11.2	1450	1	73606	711	94		
		2	68634	791			
		3	63917	845			
(Double Speed)	960	1	48734	312	86	24/85	620
		2	46104	348			
		3	43577	372			
12.5	960	1	85728	765	95	30/15	690
		2	81098	839			
		3	76036	888			
(Double Speed)	720	1	61297	431	91		
		2	56825	473			
		3	52331	500			
13	960	1	95425	787	95		
		2	90276	859			
		3	84938	906			
(Double Speed)	720	1	71570	443	91	30/15	720
		2	67707	484			
		3	63704	510			

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速的产品。

HWF Mixed Flow Ventilator HWF混流风机

HWF-V Electrical Ratings HWF-V 型技术参数

型号 Model No.	转速 Rotating Speed (RPM)	设计序号 Design Serial No.	风量 Total Airflow (m³/h)	全压 Total Pressure (Pa)	静压 Noise (dB)	功率 Power (W)	重量 Weight (kg)	
2.5	1450	1	2258	404	1303	7.5	130	
		2	2044	454	1468	80	7.5	130
		3	1701	530	1727	80	7.5	130
		4	1500	543	1757	80	7.5	130
		5	1345	556	1768	80	7.5	130
3	1450	1	1131	102	327	67	1.1	85
		2	1024	115	369	67	1.1	85
		3	853	135	433	67	1.1	85
		4	753	137	441	67	1.1	85
		5	675	141	451	67	1.1	85
4	960	1	791	46	145	63	0.37	78
		2	660	52	163	63	0.37	78
		3	566	60	184	63	0.37	78
		4	500	61	194	63	0.37	78
		5	449	63	198	63	0.37	78
3.5	1450	1	3888	580	1608	81	15	210
		2	3528	653	1812	81	15	210
		3	2935	769	2132	81	15	210
		4	2590	782	2169	81	15	210
		5	2321	800	2219	81	15	210
4	960	1	1981	147	414	69	2.2	110
		2	1767	165	455	69	2.2	110
		3	1470	194	534	69	2.2	110
		4	1288	197	544	69	2.2	110
		5	1163	202	556	69	2.2	110
2900	960	1	1284	65	178	65	0.75	101
		2	1171	73	201	65	0.75	101
		3	975	86	235	65	0.75	101
		4	861	87	239	65	0.75	101
		5	772	89	245	65	0.75	101
2900	1450	1	6186	789	2488	74	3	364
		2	5600	889	2800	74	3	364
		3	4662	1046	3264	74	3	364
		4	4109	1064	3321	74	3	364
		5	3683	1088	3372	74	3	364
1450	960	1	3096	199	582	64	1.1	122
		2	2802	224	648	64	1.1	122
		3	2332	263	768	64	1.1	122
		4	2057	267	786	64	1.1	122
		5	1844	274	806	64	1.1	122
960	960	1	2051	88	256	64	0.85	135
		2	1857	93	284	64	0.85	135
		3	1645	116	334	64	0.85	135
		4	1364	116	344	64	0.85	135
		5	1222	121	354	64	0.85	135
2900	1450	1	9222	1030	3030	76	5.5	189
		2	8356	1161	3364	76	5.5	189
		3	6951	1365	3861	76	5.5	189
		4	6132	1389	3922	76	5.5	189
		5	5495	1421	4000	76	5.5	189
1450	960	1	4619	259	800	65	1.5	155
		2	4181	292	888	65	1.5	155
		3	3478	343	1044	65	1.5	155
		4	3069	349	1064	65	1.5	155
		5	2750	357	1088	65	1.5	155
960	960	1	3060	114	338	65	0.75	160
		2	2770	129	363	65	0.75	160
		3	2304	151	419	65	0.75	160
		4	2033	154	434	65	0.75	160
		5	1822	158	458	65	0.75	160

HWF Mixed Flow Ventilator HWF混流风机

HWF-V Electrical Ratings HWF-V 型技术参数

型号 Model No.	转速 Rotating Speed (RPM)	设计序号 Design Serial No.	风量 Total Airflow (m³/h)	全压 Total Pressure (Pa)	静压 Noise (dB)	功率 Power (W)	重量 Weight (kg)
6.5	960	1	18902	681	2008	7.5	225
		2	17923	767	2234	7.5	225
		3	14967	892	2512	7.5	225
		4	13151	918	2568	7.5	225
		5	11783	936	2604	7.5	225
8.5	960	1	13112	300	1030	2.2	180
		2	11868	337	1136	2.2	180
		3	9871	366	1242	2.2	180
		4	8709	403	1348	2.2	180
		5	7683	413	1384	2.2	180
7	960	1	9335	169	588	1.1	195
		2	8302	191	636	1.1	195
		3	7404	224	671	1.1	195
		4	6533	228	688	1.1	195
		5	5844	233	706	1.1	195
1450	960	1	24751	789	2608	11	300
		2	22384	889	2888	11	300
		3	18617	1046	3324	11	300
		4	16424	1063	3408	11	300
		5	14715	1088	3472	11	300
720	960	1	16372	347	1196	3	242
		2	14821	390	1308	3	242
		3	12327	459	1512	3	242
		4	10867	467	1536	3	242
		5	9345	478	1560	3	242
720	960	1	12283	196	696	1.5	235
		2	11117	221	756	1.5	235
		3	9247	259	834	1.5	235
		4	8158	284	876	1.5	235
		5	7310	270	888	1.5	235
1450	960	1	30416	900	3000	15	364
		2	27530	1020	3300	15	364
		3	22897	1200	3840	15	364
		4	20200	1221	3924	15	364
		5	18099	1249	4008	15	364
7.5	960	1	20140	398	1344	4	280
		2	18228	448	1488	4	280
		3	15161	527	1728	4	280
		4	13375	536	1776	4	280
		5	11984	549	1800	4	280
720	960	1	15106	225	756	2.2	275
		2	13620	253	828	2.2	275
		3	11372	287	936	2.2	275
		4	10032	303	972	2.2	275
		5	8969	310	1008	2.2	275
1450	960	1	38913	1030	3360	18.5	442
		2	35410	1161	3696	18.5	442
		3	27787	1365	4224	18.5	442
		4	24814	1389	4308	18.5	442
		5	21964	1421	4404	18.5	442
8	960	1	24441	453	1512	5.5	325
		2	22122	510	1656	5.5	325
		3	18399	599	1944	5.5	325
		4	16232	610	2016	5.5	325
		5	14543	624	2076	5.5	325
720	960	1	18332	255	864	3	320
		2	16592	288	936	3	320
		3	13860	338	1116	3	320
		4	12175	344	1152	3	320
		5	10909	352	1188	3	320
1450	960	1	44275	1163	4008	30	574
		2	40073	1310	4464	30	574
		3	33328	1541	5016	30	574
		4	29403	1568	5232	30	574
		5	26344	1604	5424	30	574
8.5	960	1	29315	511	1764	7.5	394
		2	26533	575	1944	7.5	394
		3	22687	676	2304	7.5	394
		4	19468	698	2448	7.5	394
		5	17143	704	2508	7.5	394
720	960	1	21898	288	1008	3	350
		2	19801	324	1116	3	350
		3	16532	361	1248	3	350
		4	14602	368	1296	3	350
		5	13102	387	1356	3	350
1450	960	1	52556	1303	4608	30	574
		2	47668	1468	5064	30	574
		3	39562	1728	5856	30	574
		4	34602	1757	6096	30	574
		5	31271	1788	6288	30	574
960	960	1	31495	645	2160	11	450
		2	28194	758	2376	11	450
		3	23109	771	2520	11	450
		4	20505	789	2616	11	450
		5	18111	812	2700	11	450
720	960	1	26099	322	1080	4	420
		2	23623	364	1188	4	420
		3	19647	427	1440	4	420
		4	15530	435	1500	4	420
		5	14784	445	1536	4	420
1450	960	1	61811	1452	4968	37	740
		2	55944	1636	5424	37	740
		3	46528	1924	6216	37	740
		4	41047	1957	6456	37	740
		5	36776	2003	6720	37	740
7.5	960	1	40924	637	2160	11	490
		2	37040	719	2376	11	490
		3	30806	845	2736	11	490
		4	27177	859	2832	11	490
		5	24350	879	2916	11	490
720	960	1	30896	359	1224	5.5	465
		2	27181	405	1368	5.5	465
		3	23108	476	1584	5.5	465
		4	20385	464	1656	5.5	465
		5	18264	486	1728	5.5	465
1450	960	1	72092	1608	4608	55	870
		2	65950	1812	5064	55	870
		3	54267	2132	5856	55	870
		4	47874	2168	6096	55	870
		5	42893	2219	6288	55	870

HWF Mixed Flow Ventilator HWF混流风机

HWF-V Electrical Ratings

HWF-V型技术参数

型号 Model No.	转速 Rotating Speed (R.P.M.)	设计序号 Design Serial No.	风量 Air Volume (m ³ /h)	全压 Total Pressure (Pa)	噪声 Noise (dB)	功率 Power (kw)	净重 Weight (kg)
11.2	960	1	67057	885	1102	1102	1102
		2	60692	997	1242	1242	1242
		3	50477	1174	80	30	695
		4	44530	1194	61903	1486	1486
		5	39898	1221	55463	1520	1520
720	720	1	50294	499	6917	621	621
		2	45520	562	63280	699	699
		3	37930	661	52630	822	77
		4	33400	672	46430	836	836
		5	29924	688	41598	857	857

型号 Model No.	转速 Rotating Speed (R.P.M.)	设计序号 Design Serial No.	风量 Air Volume (m ³ /h)	全压 Total Pressure (Pa)	噪声 Noise (dB)	功率 Power (kw)	净重 Weight (kg)
6.5 (Double Speed)	960/720	1	93220	1102	1102	1102	1102
		2	84372	1242	1810	1453	1453
		3	70171	1461	13565	1783	2130
		4	61903	1486	11967	15984	2167
		5	55463	1520	10722	1581	2217
1450/960	1450/960	1	69917	621	621	621	621
		2	63280	699	699	699	699
		3	52630	822	822	822	822
		4	46430	836	836	836	836
		5	41598	857	857	857	857

HWF-V-S (Double Speed) Electrical Ratings

HWF-V-S(双速型)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 ³ /h)	全压 Total Pressure (Pa)	噪声 Noise (dB)	功率 Power (kw)	净重 Weight (kg)
2.5 (Double Speed)	2900/1450	1	2253/1126	402/100	402/100	0.05/0.25	0.05/0.25
		2	2039/1019	452/113	452/113	0.05/0.25	0.05/0.25
		3	1696/948	532/133	532/133	0.05/0.25	0.05/0.25
		4	1486/748	542/135	542/135	0.05/0.25	0.05/0.25
		5	1340/670	554/139	554/139	0.05/0.25	0.05/0.25
3 (Double Speed)	2900/1450	1	3893/1946	578/145	578/145	1.4/0.3	1.4/0.3
		2	3623/1762	651/163	651/163	1.4/0.3	1.4/0.3
		3	2930/1465	787/192	787/192	1.4/0.3	1.4/0.3
		4	2595/1293	780/195	780/195	1.4/0.3	1.4/0.3
		5	2316/1159	798/200	798/200	1.4/0.3	1.4/0.3
3.5 (Double Speed)	2900/1450	1	1946/1298	145/63	145/63	0.05/0.85	0.05/0.85
		2	1762/1170	163/71	163/71	0.05/0.85	0.05/0.85
		3	1465/970	192/84	192/84	0.05/0.85	0.05/0.85
		4	1293/856	196/85	196/85	0.05/0.85	0.05/0.85
		5	1198/767	200/87	200/87	0.05/0.85	0.05/0.85
4 (Double Speed)	2900/1450	1	6181/3091	787/192	787/192	2.5/0.65	2.5/0.65
		2	5954/2797	897/222	897/222	2.5/0.65	2.5/0.65
		3	4653/2327	1042/261	1042/261	2.5/0.65	2.5/0.65
		4	4014/2052	1082/265	1082/265	2.5/0.65	2.5/0.65
		5	3674/1839	1086/272	1086/272	2.5/0.65	2.5/0.65
5 (Double Speed)	2900/1450	1	3091/2048	197/49	197/49	0.85/0.85	0.85/0.85
		2	2707/1852	222/119	222/119	0.85/0.85	0.85/0.85
		3	2327/1540	261/114	261/114	0.85/0.85	0.85/0.85
		4	2057/1359	265/116	265/116	0.85/0.85	0.85/0.85
		5	1839/1217	272/119	272/119	0.85/0.85	0.85/0.85
6 (Double Speed)	2900/1450	1	9227/4616	1028/257	1028/257	5.9/1.4	5.9/1.4
		2	8551/4176	1197/290	1197/290	5.9/1.4	5.9/1.4
		3	6946/3473	1387/341	1387/341	5.9/1.4	5.9/1.4
		4	6127/3094	1439/347	1439/347	5.9/1.4	5.9/1.4
		5	5490/2745	1479/355	1479/355	5.9/1.4	5.9/1.4
7 (Double Speed)	2900/1450	1	4614/3055	257/112	257/112	0.85/0.85	0.85/0.85
		2	4176/2765	290/127	290/127	0.85/0.85	0.85/0.85
		3	3473/2298	341/149	341/149	0.85/0.85	0.85/0.85
		4	3067/2028	347/152	347/152	0.85/0.85	0.85/0.85
		5	2745/1817	350/156	350/156	0.85/0.85	0.85/0.85
8 (Double Speed)	2900/1450	1	13138/6559	1301/325	1301/325	8/1.2	8/1.2
		2	11891/5945	1466/367	1466/367	8/1.2	8/1.2
		3	9889/4945	1725/431	1725/431	8/1.2	8/1.2
		4	8724/4362	1755/439	1755/439	8/1.2	8/1.2
		5	7816/3908	1796/449	1796/449	8/1.2	8/1.2
9 (Double Speed)	2900/1450	1	6569/4349	325/143	325/143	1.4/0.45	1.4/0.45
		2	5945/3936	367/161	367/161	1.4/0.45	1.4/0.45
		3	4962/3274	431/189	431/189	1.4/0.45	1.4/0.45
		4	4363/2888	439/192	439/192	1.4/0.45	1.4/0.45
		5	3908/2586	449/196	449/196	1.4/0.45	1.4/0.45

HWF Mixed Flow Ventilator HWF混流风机

HWF-V-S (Double Speed) Electrical Ratings

HWF-V-S(双速型)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 ³ /h)	全压 Total Pressure (Pa)	噪声 Noise (dB)	功率 Power (kw)	净重 Weight (kg)
6.5 (Double Speed)	960/720	1	13107/9830	298/167	298/167	2.6/1.2	2.6/1.2
		2	11863/8897	335/189	335/189	2.6/1.2	2.6/1.2
		3	9865/7399	394/222	394/222	2.6/1.2	2.6/1.2
		4	8704/6628	411/231	411/231	2.6/1.2	2.6/1.2
		5	7798/5849	411/231	411/231	2.6/1.2	2.6/1.2
1450/960	1450/960	1	19797/9830	679/167	679/167	8.9/2	8.9/2
		2	17918/8897	765/189	765/189	8.9/2	8.9/2
		3	14902/7399	890/222	890/222	8.9/2	8.9/2
		4	13146/6528	916/226	916/226	8.9/2	8.9/2
		5	11778/5849	937/231	937/231	8.9/2	8.9/2
9 (Double Speed)	960/720	1	24726/16370	787/345	787/345	12/4	12/4
		2	22375/14816	878/388	878/388	12/4	12/4
		3	18612/12322	1044/457	1044/457	12/4	12/4
		4	16419/10971	1088/476	1088/476	12/4	12/4
		5	14710/9340	1088/476	1088/476	12/4	12/4

型号 Model No.	转速 Rotating Speed (R.P.M.)	设计序号 Design Serial No.	风量 Air Volume (m ³ /h)	全压 Total Pressure (Pa)	噪声 Noise (dB)	功率 Power (kw)	净重 Weight (kg)
8.5 (Double Speed)	1450/720	1	44270/21983	1161/286	1161/286	19.5/5	19.5/5
		2	44068/19896	1308/372	1308/372	19.5/5	19.5/5
		3	33323/16547	1539/529	1539/529	19.5/5	19.5/5
		4	29398/14598	1666/586	1666/586	19.5/5	19.5/5
		5	26359/13079	1602/595	1602/595	19.5/5	19.5/5
1450/960	1450/960	1	52551/34793	1301/570	1301/570	33/11	33/11
		2	47663/31490	1466/643	1466/643	33/11	33/11
		3	39557/26189	1726/756	1726/756	33/11	33/11
		4	34897/23104	1755/769	1755/769	33/11	33/11
		5	31226/20700	1796/787	1796/787	33/11	33/11
9 (Double Speed)	960/720	1	34793/26094	1796/787	1796/787	33/11	33/11
		2	31490/23618	1966/862	1966/862	33/11	33/11
		3	26189/19642	2268/952	2268/952	33/11	33/11
		4	23104/17525	2268/952	2268/952	33/11	33/11
		5	20700/14789	2268/952	2268/952	33/11	33/11

HWF-V-S (Double Speed) Electrical Ratings

HWF-V-S(双速型)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 ³ /h)	全压 Total Pressure (Pa)	噪声 Noise (dB)	功率 Power (kw)	净重 Weight (kg)
2.5 (Double Speed)	2900/1450	1	18022/9091	1606/402	1606/402	16/3.8	16/3.8
		2	16311/8156	1810/453	1810/453	16/3.8	16/3.8
		3	13565/6783	2130/532	2130/532	16/3.8	16/3.8
		4	11967/5984	2167/542	2167/542	16/3.8	16/3.8
		5	10722/5381	2217/554	2217/554	16/3.8	16/3.8
5 (Double Speed)	1450/960	1	9091/5966	402/176	402/176	2.2/0.7	2.2/0.7
		2	8156/5400	453/188	453/188	2.2/0.7	2.2/0.7
		3	6783/4481	532/233	532/233	2.2/0.7	2.2/0.7
		4	5984/3962	542/237	542/237	2.2/0.7	2.2/0.7
		5	5381/3549	554/243	554/243	2.2/0.7	2.2/0.7
5.5 (Double Speed)	1450/960	1	11993/7941	486/213	486/213	3.2/1.1	3.2/1.1
		2	10855/7187	549/240	549/240	3.2/1.1	3.2/1.1
		3	9028/5977	644/282	644/282	3.2/1.1	3.2/1.1
		4	7964/5273	655/287	655/287	3.2/1.1	3.2/1.1
		5	7136/4724	670/294	670/294	3.2/1.1	3.2/1.1
6 (Double Speed)	1450/960	1	7941/5955	213/120	213/120	1.3/0.55	1.3/0.55
		2	7187/5390	240/135	240/135	1.3/0.55	1.3/0.55
		3	5977/4483	282/159	282/159	1.3/0.55	1.3/0.55
		4	5273/3954	287/162	287/162	1.3/0.55	1.3/0.55
		5	4724/3543	294/165	294/165	1.3/0.55	1.3/0.55
7 (Double Speed)	1450/960	1	11993/7941	486/213	486/213	3.2/1.1	3.2/1.1
		2	10855/7187	549/240	549/240	3.2/1.1	3.2/1.1
		3	9028/5977	644/282	644/282	3.2/1.1	3.2/1.1
		4	7964/5273	655/287	655/287	3.2/1.1	3.2/1.1
		5	7136/4724	670/294	670/294	3.2/1.1	3.2/1.1
8 (Double Speed)	1450/960	1	9091/5966	402/176	402/176	2.2/0.7	2.2/0.7
		2	8156/5400	453/188	453/188	2.2/0.7	2.2/0.7
		3	6783/4481	532/233	532/233	2.2/0.7	2.2/0.7
		4	5984/3962	542/237	542/237	2.2/0.7	2.2/0.7
		5	5381/3549	554/243	554/243	2.2/0.7	2.