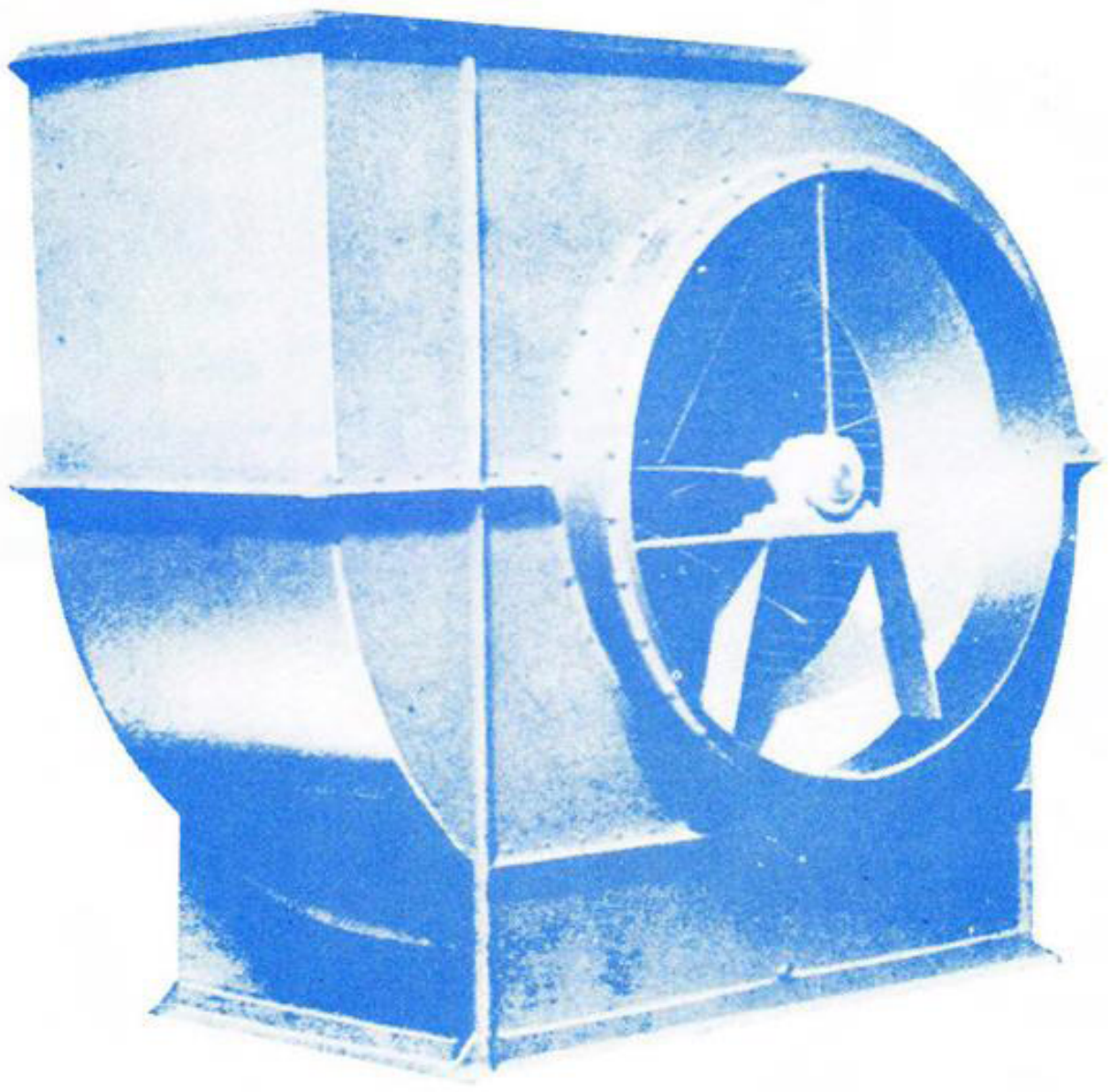
Wind Force System

SIRROCCO FAN



Furyoku Kiko Co., Ltd.

Email: info@wind-force.co.jp

Even though Sirocco Fan is smaller than other fans, it generates same amount of air and wind pressure. Because structure impeller (runner) is designed not to run at high speed, fan is not capable of issuing high wind pressure (in case of 100 mmAq). Fan can be used such as ventilation, heating and cooling system, dust exhausting, drying system, and other application.

The standard shape of fan is designed for general uses. Moreover, it is convenient to setup because bearing stand and casing are combined in one piece. This sturdy structure of Sirocco Fan satisfies all buyers.

In particular, when motor's resistance against noise and vibration levels is lower than expected as a consequence of overloading. Limit Load Conoidal Fan is recommended as damper to secure high air volume and performance.

Casing

Casing is combined flat steel, mountain-shaped steel, and plate steel to be strongly reinforced. In addition, we will also customize structure or material with upper or lower requirements.

Impeller (Runner)

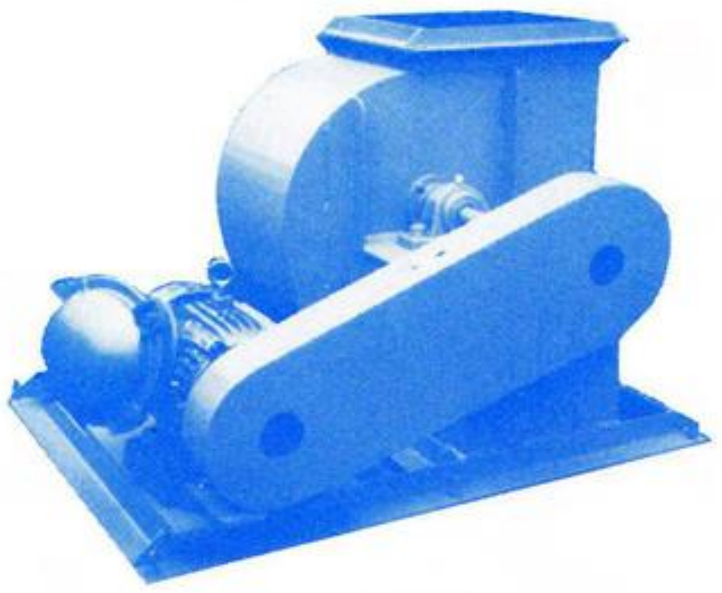
48~64 sheet wings are riveted and welded to main plate and the outer plate is designed hydrodynamic reasonably to have rigidity. Thus, reinforced outer plate performs perfect balance and less vibration to ensure sufficient safety at high-speed rotation.

Bearing

Bearing is equipped finest outer ring with heat-resistant ball-bearing and oil-resistant synthetic rubber seal. The shaft saddle outer bearing ring is self-aligning, excellent dust-proof, and moisture-proof. Therefore, it can operate confidence extremely even in adverse conditions in one year with sufficient supplementing grease.

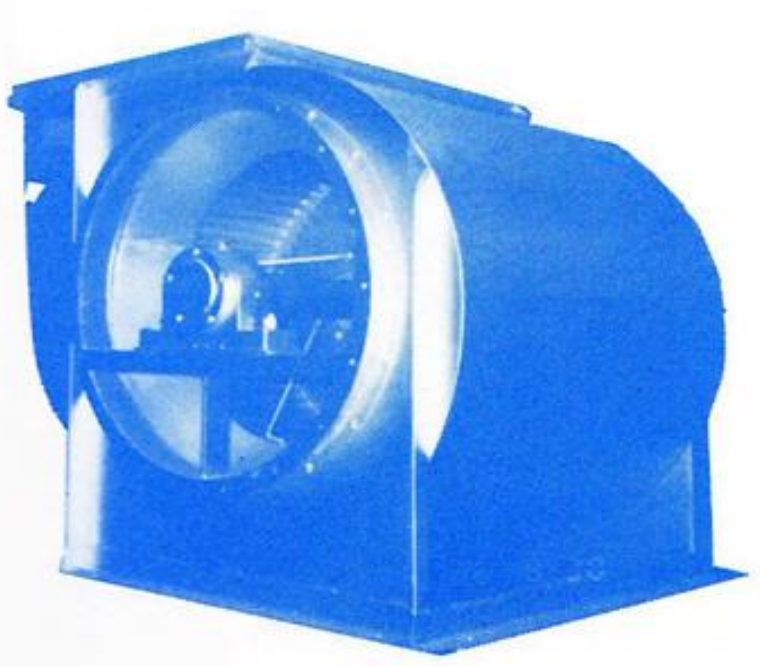
Model	Hanging
OP	Single suction, both sides bearing, cantilevered pulley belt hanging
WP	Double suction, both sides bearing, cantilevered pulley belt hanging
OCW	Single suction, one sides bearing, double equity pulley belt hanging
OW	Double suction, one sides bearing, cantilevered pulley belt hanging
ME	Single suction, motor directly connected to the bearing cup ring
MCP	Single suction, one side bearing, coupling motor
MPP	Single suction, one side bearing, coupling motor
MPO	Single suction, one side bearing, coupling motor

SIRROCCO FAN

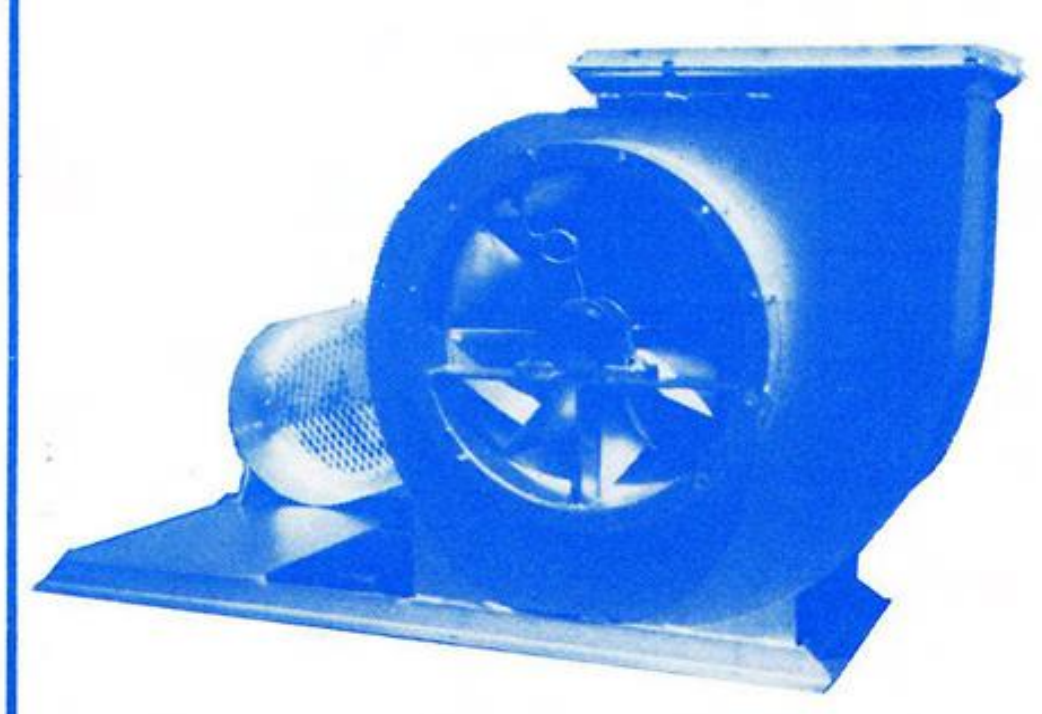


OW Type
(Attached fundamental floor base)

OW Type



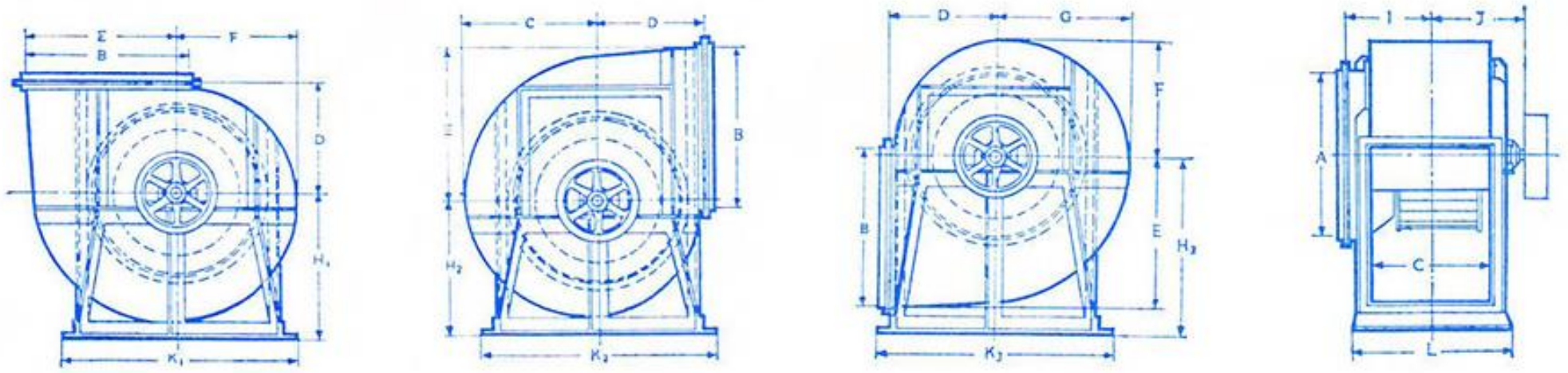
DS Type



LW Type

Wind Force System
Multi-blade Fan Dimension Table

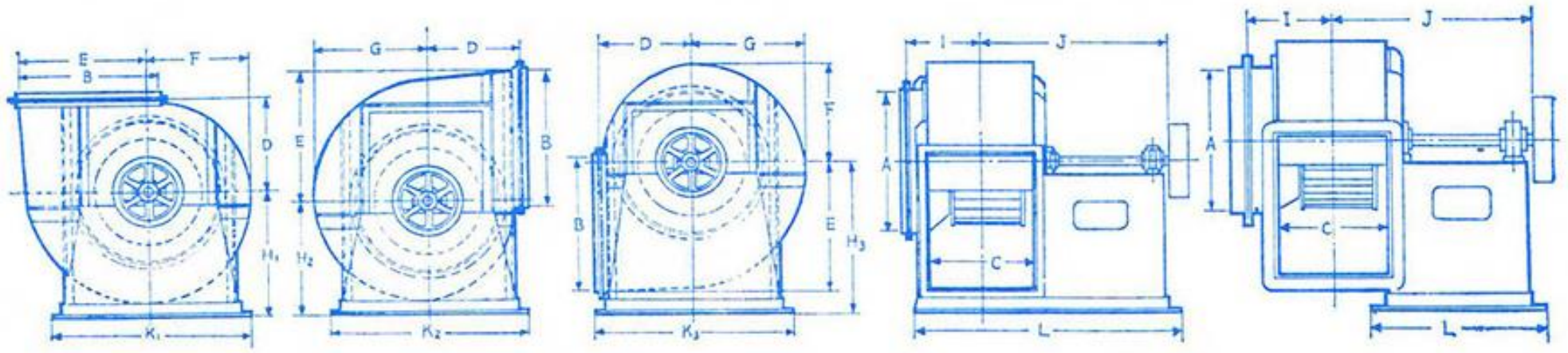
OP Type (Single Suction Double Bearings)



No.	A	B	C	D	E	F	G	H			I	J	K			L
								H_1	H_2	H_3			K_1	K_2	K_3	
1½	246	240	187	175	231	174	198	228	204	286	144	152	360	360	360	247
2	328	320	250	225	308	232	264	294	262	363	175	227	490	460	460	310
2½	410	400	313	275	385	290	330	370	330	444	207	259	600	580	580	393
3	492	480	375	330	462	348	396	436	388	532	248	298	710	680	680	455
3½	574	560	437	380	539	406	462	512	456	619	279	334	815	800	800	537
4	656	640	500	440	616	464	528	578	514	706	325	375	915	900	900	600
4½	738	720	562	490	693	522	594	659	587	798	356	416	1050	1030	1030	692
5	820	800	625	540	770	580	660	725	645	875	388	448	1130	1130	1130	755
5½	902	880	687	590	847	638	726	801	713	962	419	484	1230	1230	1230	837
6	985	960	750	650	924	696	792	867	771	1050	475	520	1365	1365	1365	900
7	1150	1120	875	750	1080	812	924	999	887	1205	538	608	1530	1530	1530	1025
8	1310	1280	1000	850	1230	928	1060	1135	1003	1355	600	685	1690	1690	1690	1150
9	1480	1440	1130	950	1390	1050	1190	1290	1150	1540	665	765	1910	1910	1910	1330
10	1640	1600	1250	1065	1540	1160	1320	1420	1260	1705	755	830	2120	2120	2120	1450

Wind Force System
Multi-blade Fan Dimension Table

OP Type (Single Suction Double Bearings)



This type is from #1 to #1 3/4

No.	A	B	C	D	E	F	G	H			I	J	K			L
								H_1	H_2	H_3			K_1	K_2	K_3	
1½	246	240	187	175	231	174	198	228	204	286	144	354	360	360	360	310
2	328	320	250	225	308	232	264	294	262	363	175	445	490	460	460	610
2½	410	400	313	275	385	290	330	370	330	444	207	554	600	580	580	770
3	492	480	375	330	462	348	396	436	388	532	248	660	710	680	680	905
3½	574	560	437	380	539	406	462	512	456	619	279	762	815	800	800	1060
4	656	640	500	440	616	464	528	578	514	706	325	820	915	900	900	1150
4½	738	720	562	490	693	522	594	659	587	798	356	920	1050	1030	1030	1310
5	820	800	625	540	770	580	660	725	645	875	388	1020	1130	1130	1130	1440
5½	902	880	687	590	847	638	726	801	713	962	419	1120	1230	1230	1230	1590
6	985	960	750	650	924	696	792	867	771	1050	475	1220	1365	1365	1365	1725
7	1150	1120	875	750	1080	812	924	999	887	1205	538	1425	1530	1530	1530	1990
8	1310	1280	1000	850	1230	928	1060	1135	1003	1355	600	1630	1690	1690	1690	2250
9	1480	1440	1130	950	1390	1050	1190	1290	1150	1540	665	1845	1910	1910	1910	2580
10	1640	1600	1250	1065	1540	1160	1320	1420	1260	1705	755	2035	2120	2120	2120	2830

Wind Force System

Multi-blade Fan Performance Table No.1 1/2

Air Flow	Blower Static Pressure Aq.																			
	15 mm		20 mm		25 mm		30 mm		40 mm		50 mm		60 mm		75 mm		90 mm		105 mm		125 mm	
m³/min	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW
145	970	0.07	1115	0.09																		
17	984	0.08	1120	0.10	1245	0.13																
19	1005	0.10	1130	0.12	1250	0.15	1365	0.17														
21	1040	0.12	1150	0.14	1260	0.16	1370	0.19	1580	0.25												
24	1105	0.16	1200	0.17	1290	0.20	1390	0.23	1585	0.29	1765	0.37										
26.5	1180	0.20	1260	0.27	1340	0.25	1420	0.27	1600	0.34	1770	0.41	1935	0.50								
29	1245	0.25	1320	0.30	1390	0.29	1465	0.32	1625	0.38	1780	0.45	1940	0.54	2160	0.67						
32			1410	0.35	1470	0.37	1540	0.40	1680	0.46	1815	0.54	1955	0.60	2170	0.75	2375	0.91				
36					1550	0.46	1610	0.50	1740	0.55	1860	0.63	1990	0.70	2180	0.84	2380	0.98	2560	1.15		
39							1680	0.58	1800	0.65	1915	0.72	2030	0.77	2210	0.93	2390	1.08	2565	1.23	2795	1.48
42									1885	0.80	2000	0.86	2100	0.95	2250	1.07	2420	1.22	2580	1.37	2800	1.60
46									1990	0.97	2090	1.05	2180	1.13	2330	1.23	2470	1.41	2620	1.55	2820	1.78
50											2180	1.25	2260	1.34	2400	1.41	2540	1.63	2670	1.76	2850	2.00
53											2230	1.46	2360	1.57	2480	1.58	2610	1.85	2720	2.00	2890	2.22
57													2440	1.79	2550	1.78	2670	2.08	2780	2.24	2940	2.45
60															2630	2.19	2750	2.34	2850	2.50	3000	2.71
65															2790	2.61	2880	2.89	2980	3.02	3120	3.27
70																	3020	3.43	3110	3.63	3240	3.83
75																			3240	4.21	3350	4.45
80																					3480	5.15
85																						

Multi-blade Fan Performance Table No.2

Air Flow	Blower Static Pressure Aq.																					
	15 mm		20 mm		25 mm		30 mm		40 mm		50 mm		60 mm		75 mm		90 mm		105 mm		125 mm	
m³/min	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW
26	728	0.12	837	0.16																		
30	738	0.14	840	0.18	937	0.23																
33	755	0.17	845	0.21	940	0.25	1025	0.31														
37	780	0.21	860	0.25	946	0.28	1030	0.34	1185	0.46												
42	830	0.27	900	0.31	972	0.35	1045	0.40	1190	0.52	1325	0.65										
47	883	0.34	945	0.39	1010	0.43	1070	0.48	1200	0.59	1330	0.72	1450	0.87								
52	935	0.43	986	0.41	1050	0.52	1105	0.57	1220	0.68	1340	0.80	1455	0.95	1625	1.20						
58			1055	0.61	1105	0.66	1160	0.70	1260	0.84	1360	0.95	1470	1.08	1630	1.33	1775	1.60				
64					1165	0.82	1210	0.87	1305	0.98	1400	1.10	1490	1.25	1640	1.45	1780	1.74	1920	2.04		
69							1265	1.04	1350	1.15	1440	1.33	1520	1.43	1660	1.63	1790	1.91	1925	2.21	2095	2.63
75									1415	1.40	1495	1.53	1570	1.69	1690	1.89	1810	2.15	1935	2.44	2100	2.85
82									1495	1.74	1565	1.87	1640	2.01	1750	2.19	1845	2.50	1965	2.78	2110	3.16
89											1635	2.24	1700	2.39	1805	2.50	1900	2.88	2000	3.16	2120	3.53
95											1710	2.61	1765	2.80	1860	2.81	1950	3.26	2040	3.54	2170	3.92
101													1830	3.20	1920	3.16	2000	3.68	2090	3.98	2210	4.36
107															1980	3.88	2060	4.13	2140	4.44	2250	4.81
117															2090	4.61	2160	5.10	2240	5.38	2340	5.80
126																	2260	6.04	2330	6.45	2420	6.80
135																			2430	7.53	2510	7.91
143																					2610	9.18
150																						

Wind Force System

Multi-blade Fan Performance Table No.2 1/2

Air Flow	Blower Static Pressure Aq.																					
	15 mm		20 mm		25 mm		30 mm		40 mm		50 mm		60 mm		75 mm		90 mm		105 mm		125 mm	
m³/min	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW
41	582	0.19	670	0.25																		
47	590	0.22	672	0.28	748	0.36																
53	604	0.27	676	0.33	752	0.40	822	0.48														
58	625	0.31	689	0.37	756	0.45	824	0.52	946	0.71												
66	663	0.42	720	0.48	777	0.55	835	0.63	950	0.81	1055	1.01										
74	706	0.54	755	0.60	805	0.68	855	0.75	958	0.92	1060	1.13	1160	1.37								
82	747	0.67	790	0.74	836	0.82	884	0.89	975	1.05	1065	1.25	1165	1.48	1295	1.86						
91			845	0.95	885	1.04	925	1.11	1005	1.28	1090	1.47	1175	1.69	1300	2.07	1420	2.50				
100					932	1.28	970	1.37	1045	1.53	1115	1.72	1195	1.94	1310	2.30	1425	2.72	1535	3.19		
108							1010	1.63	1080	1.80	1150	2.01	1220	2.23	1320	2.57	1430	2.98	1540	3.43	1675	4.09
118									1130	2.18	1190	2.37	1260	2.63	1350	2.95	1450	3.34	1550	3.82	1680	4.45
129									1190	2.70	1245	2.92	1310	3.13	1395	3.50	1480	3.89	1570	4.33	1690	4.92
140											1305	3.47	1360	3.73	1440	4.10	1520	4.48	1600	4.91	1710	5.52
150											1360	4.06	1410	4.35	1480	4.67	1560	5.10	1635	5.52	1740	6.14
159													1460	4.97	1530	5.38	1600	5.71	1670	6.21	1770	6.80
167															1575	6.06	1640	6.46	1710	6.94	1800	7.53
183															1670	7.46	1730	7.98	1790	8.43	1870	9.10
198																	1810	9.40	1870	10.1	1940	10.6
212																			1945	11.7	2010	12.4
224																					2090	14.3
237																						

Multi-blade Fan Performance Table No. 3

Air Flow	Blower Static Pressure Aq.																					
	15 mm		20 mm		25 mm		30 mm		40 mm		50 mm		60 mm		75 mm		90 mm		105 mm		125 mm	
m³/min	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW
59	485	0.27	558	0.35																		
68	492	0.32	560	0.41	624	0.51																
76	503	0.38	565	0.47	626	0.57	685	0.69														
83	520	0.46	574	0.54	630	0.63	686	0.75	789	1.02												
96	553	0.60	600	0.69	647	0.79	695	0.90	792	1.16	884	1.47										
108	588	0.78	630	0.87	667	0.97	712	1.08	798	1.32	886	1.63	968	1.96								
118	622	0.96	658	1.07	669	1.17	735	1.28	812	1.52	891	1.81	970	2.13	1080	2.69						
132			704	1.37	673	1.49	771	1.60	837	1.84	909	2.13	976	2.43	1085	2.98	1185	3.60				
144					777	1.83	807	1.97	869	2.20	930	2.50	995	2.80	1090	3.30	1190	3.92	1280	4.60		
156							843	2.34	900	2.58	960	2.89	1015	3.20	1105	3.70	1195	4.31	1285	4.94	1395	5.89
170									940	3.15	995	3.45	1050	3.78	1125	4.27	1210	4.82	1295	5.48	1400	6.42
186									995	3.89	1040	4.24	1090	4.51	1165	5.04	1235	5.60	1310	6.22	1410	7.16
202											1090	5.04	1130	5.36	1200	5.91	1270	6.48	1335	7.09	1425	7.98
215											1140	5.89	1175	6.27	1235	7.27	1305	7.36	1365	7.98	1450	8.88
228													1220	7.14	1275	7.76	1340	8.28	1395	8.95	1470	9.85
240															1315	8.73	1375	9.40	1430	10.0	1500	10.8
264															1390	10.7	1440	11.6	1495	12.1	1560	13.1
285																	1510	13.6	1560	14.5	1620	15.4
304																			1620	16.9	1675	17.8
323																					1740	20.6
340																						

Wind Force System

Multi-blade Fan Performance Table No.3 1/2

Air Flow	Blower Static Pressure Aq.																					
	15 mm		20 mm		25 mm		30 mm		40 mm		50 mm		60 mm		75 mm		90 mm		105 mm		125 mm	
m³/min	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW
80	416	0.37	478	0.50																		
92	421	0.43	480	0.56	535	0.71																
102	431	0.52	484	0.64	537	0.78	587	0.94														
112	446	0.61	492	0.74	540	0.87	588	1.03	676	1.40												
130	474	0.82	515	0.94	555	1.08	596	1.23	678	1.58	758	2.00										
146	505	1.07	540	1.18	575	1.33	610	1.47	684	1.81	760	2.22	830	2.67								
160	585	1.31	565	1.45	597	1.60	630	1.74	695	2.07	765	2.46	832	2.91	927	3.66						
178			603	1.87	631	2.04	660	2.25	718	2.52	780	2.92	838	3.28	930	4.06	1015	4.91				
196					665	2.51	692	2.78	745	3.00	800	3.40	852	3.80	935	4.51	1020	5.34	1095	6.24		
212							723	3.30	772	3.53	822	3.95	870	4.36	946	5.04	1025	5.86	1100	6.71	1195	8.06
232									806	4.29	855	4.68	898	5.15	965	5.80	1035	6.56	1105	7.53	1200	8.73
254									852	5.30	895	5.78	935	6.14	1000	6.85	1060	7.61	1120	8.50	1210	9.70
274											935	6.86	970	7.29	1030	8.06	1085	8.8	1140	9.62	1220	10.8
292											976	8.06	1010	8.50	1060	9.18	1115	10.1	1170	10.8	1240	12.1
310													1045	9.70	1095	10.5	1145	11.3	1190	12.2	1260	13.4
328															1130	11.9	1180	12.7	1220	13.6	1290	14.8
360															1195	14.6	1240	15.7	1280	16.5	1340	17.8
388																	1295	18.6	1330	19.7	1385	20.9
415																			1390	22.9	1435	24.3
440																					1490	28.0
464																						

Multi-blade Fan Performance Table No.4

Air Flow	Blower Static Pressure Aq.																					
	15 mm		20 mm		25 mm		30 mm		40 mm		50 mm		60 mm		75 mm		90 mm		105 mm		125 mm	
m³/min	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW
105	364	0.48	419	0.64																		
120	369	0.57	420	0.73	468	0.93																
135	378	0.68	423	0.84	470	1.03	514	1.24														
148	390	0.81	431	0.95	473	1.13	515	1.34	593	1.83												
170	415	1.07	450	1.24	486	1.42	521	1.61	595	2.07	663	2.60										
190	441	1.40	472	1.54	504	1.73	535	1.93	600	2.36	665	2.89	726	3.49								
210	467	1.72	494	1.89	524	2.10	552	2.28	610	2.71	669	3.21	728	3.80	812	4.78						
235			527	2.40	553	2.67	578	2.84	630	3.29	682	3.78	734	4.34	815	5.31	888	6.38				
256					583	3.29	606	3.51	653	3.92	700	4.42	747	4.97	820	5.89	890	6.94	960	8.21		
278							633	4.16	675	4.61	720	5.13	762	5.71	830	6.58	895	7.61	963	8.80	1025	10.4
302									717	5.60	747	6.10	786	6.73	845	7.61	905	8.50	968	9.77	1050	11.4
330									746	6.94	782	7.53	820	8.06	875	8.95	924	9.92	983	11.1	1055	12.6
368											817	8.95	850	9.55	902	10.5	948	11.5	1000	12.6	1070	14.2
384											855	10.4	885	11.2	930	12.0	974	13.1	1020	14.2	1085	15.7
406													915	12.8	960	13.8	1000	14.6	1045	16.0	1105	17.5
428															990	15.5	1030	16.5	1070	17.8	1125	19.2
470															1045	19.2	1080	20.4	1120	21.6	1170	23.3
506																	1130	24.2	1170	25.8	1210	27.2
542																			1220	30.1	1255	31.6
575																					1305	36.6
605																						

Wind Force System

Multi-blade Fan Performance Table No.4 1/2

Air Flow	Blower Static Pressure Aq.																					
	15 mm		20 mm		25 mm		30 mm		40 mm		50 mm		60 mm		75 mm		90 mm		105 mm		125 mm	
m³/min	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW
132	323	0.60	373	0.81																		
152	328	0.72	374	0.93	417	1.17																
172	336	0.86	377	1.52	418	1.30	456	1.56														
186	346	1.01	384	1.21	421	1.44	457	1.70	527	2.32												
242	368	1.36	402	1.56	432	1.79	463	2.04	528	2.63	588	3.28										
246	382	1.76	420	1.95	449	2.19	475	2.42	532	2.99	590	3.65	644	4.42								
265	415	2.16	440	2.40	477	2.65	490	2.87	541	3.43	594	4.05	647	4.80	722	6.06						
296			470	3.08	492	3.38	513	3.59	560	4.17	605	4.78	651	5.48	724	6.73	790	8.13				
325					519	4.16	537	4.41	580	4.98	620	5.59	663	6.28	728	7.46	792	8.80	853	10.4		
350							561	5.25	600	5.86	638	6.50	675	7.24	736	8.36	796	9.70	855	11.1	932	13.4
382									628	7.16	663	7.68	698	8.50	752	9.62	805	10.8	860	12.4	934	14.4
418									662	8.80	694	9.47	726	10.1	776	11.4	822	12.6	872	14.0	940	16.0
452											725	11.3	755	12.1	800	13.4	845	14.0	887	15.9	950	17.9
484											757	13.2	785	14.1	825	15.1	868	16.6	907	17.9	965	19.9
512													812	16.1	852	17.5	890	18.6	928	20.1	982	22.1
540															878	19.7	915	21.0	950	22.5	1000	24.4
592															930	24.2	960	25.8	995	27.2	1040	29.5
640																	1010	30.7	1040	32.6	1080	34.5
685																			1080	37.8	1120	40.1
725																					1160	46.3
765																						

Multi-blade Fan Performance Table No.5

Air Flow	Blower Static Pressure Aq.																					
	15 mm		20 mm		25 mm		30 mm		40 mm		50 mm		60 mm		75 mm		90 mm		105 mm		125 mm	
m³/min	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW
163	291	0.75	336	1.00																		
189	295	0.89	336	1.14	375	1.44																
211	302	1.06	339	1.30	376	1.60	411	1.93														
232	312	1.25	344	1.49	378	1.77	412	2.10	474	2.84												
267	332	1.68	360	1.93	389	2.20	417	2.51	475	3.22	529	4.05										
298	353	2.18	378	2.40	403	2.70	427	3.01	479	3.68	531	4.49	580	5.45								
327	374	2.68	396	2.96	419	3.26	441	3.56	487	4.23	535	5.00	582	5.92	648	7.42						
366			422	3.82	442	4.15	462	4.44	502	5.13	545	5.89	586	6.75	650	8.28	712	10.1				
401					466	5.11	485	5.47	522	6.12	560	6.88	596	7.76	654	9.18	713	10.9	769	12.8		
433							506	6.50	540	7.21	575	8.06	609	8.88	661	10.3	716	12.0	770	13.7	839	16.3
472									565	8.72	598	9.47	628	10.4	675	11.8	725	13.4	774	15.3	840	17.8
517									596	10.8	625	11.7	654	12.5	697	14.0	740	15.5	785	17.4	845	19.7
558											653	13.9	678	14.8	720	16.3	760	18.0	800	19.6	855	22.1
598											682	16.3	705	17.4	740	19.3	782	20.4	817	22.2	869	24.5
634													730	19.8	765	21.5	801	23.1	835	24.8	890	27.2
668															788	24.2	823	26.0	856	27.8	900	30.3
730															835	29.8	865	31.9	895	33.6	935	36.2
790																	906	37.9	935	40.2	970	42.4
845																			972	46.8	1005	49.4
895																					1045	57.1
945																						

Wind Force System

Multi-blade Fan Performance Table No.5 1/2

Air Flow	Blower Static Pressure Aq.																					
	15 mm		20 mm		25 mm		30 mm		40 mm		50 mm		60 mm		75 mm		90 mm		105 mm		125 mm	
m³/min	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW
196	264	0.90	305	1.22																		
228	268	1.07	306	1.38	341	1.74																
256	274	1.28	309	1.57	342	1.93	373	2.33														
280	283	1.51	314	1.81	344	2.14	374	2.54	431	3.43												
322	301	2.03	328	2.33	354	2.66	379	3.03	432	3.90	481	4.91	529	5.93								
362	320	2.63	344	2.91	366	3.26	389	3.63	436	4.44	483	5.46	530	6.63								
396	339	3.22	360	3.60	381	3.94	400	4.29	443	5.11	486	6.06	534	7.24	590	9.10						
442			384	4.62	402	5.01	420	5.36	457	6.20	496	7.16	543	8.28	592	9.70	647	12.5				
485					424	6.16	440	6.61	475	7.42	508	8.36	554	9.47	595	11.2	648	13.2	699	15.4		
524							460	7.83	491	8.65	523	9.70	572	10.8	602	12.5	652	14.5	700	16.6	763	19.8
572									513	10.6	544	11.5	595	12.8	614	14.5	658	16.3	703	18.4	764	21.6
626									542	13.1	568	14.2	618	15.3	635	17.0	673	18.9	714	20.9	770	23.9
675											593	16.9	642	18.1	655	19.9	690	21.8	726	23.7	778	26.8
722											620	19.7	665	21.2	675	22.8	710	24.8	743	26.7	790	29.7
765													686	24.2	696	26.2	729	27.8	760	30.0	803	33.0
805															717	29.5	748	31.4	778	33.5	820	36.6
885															760	36.3	785	38.6	813	40.6	851	44.0
955																	823	45.9	850	48.6	883	51.6
1020																			885	56.5	914	60.0
1080																					950	69.4
1140																						

Multi-blade Fan Performance Table No.6

Air Flow	Blower Static Pressure Aq.																					
	15 mm		20 mm		25 mm		30 mm		40 mm		50 mm		60 mm		75 mm		90 mm		105 mm		125 mm	
m³/min	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW
236	242	1.07	279	1.45																		
272	245	1.28	280	1.65	312	2.06																
304	251	1.53	282	1.87	313	2.29	342	2.78														
334	260	1.81	287	2.15	315	2.54	343	3.02	395	4.09												
385	276	2.42	300	2.78	324	3.16	348	3.61	396	4.65	442	5.86										
430	293	3.13	315	3.47	326	3.88	356	4.31	399	5.30	443	6.50	484	7.83								
472	311	3.85	330	4.27	349	4.67	368	5.10	406	6.09	446	7.21	485	8.50	540	10.7						
526			362	5.52	368	5.95	385	6.37	418	7.42	455	8.50	488	9.70	542	11.9	594	14.5				
578					388	7.36	404	7.83	435	8.80	466	9.92	497	11.2	545	13.3	595	15.7	641	18.4		
625							422	9.62	450	10.4	480	11.6	507	12.8	552	14.8	598	17.3	642	19.8	699	23.6
680									470	12.6	499	13.7	524	15.1	562	17.1	604	19.2	645	21.9	700	25.7
745									497	15.5	522	16.8	545	18.1	581	20.2	617	22.5	655	24.9	709	28.5
805											545	20.1	566	21.5	600	23.6	635	25.9	666	28.2	712	31.8
860											570	23.4	588	25.0	618	27.0	652	29.5	680	31.9	724	35.4
912													610	28.6	637	31.3	668	33.0	696	35.8	735	39.2
960															658	35.1	687	37.3	714	40.0	750	43.4
1050															695	43.1	721	46.0	745	48.5	780	52.4
1135																	755	54.6	777	57.9	810	61.4
1210																			810	67.4	837	71.5
1290																					870	82.8
1360																						

Wind Force System

Multi-blade Fan Performance Table No.7

Air Flow	Blower Static Pressure Aq.																					
	15 mm		20 mm		25 mm		30 mm		40 mm		50 mm		60 mm		75 mm		90 mm		105 mm		125 mm	
m³/min	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW
320	208	1.45	239	1.98																		
370	211	1.74	240	2.24	267	2.81																
414	216	2.08	245	2.55	268	3.12	290	3.78														
454	223	2.46	247	2.94	270	3.47	294	4.10	338	5.57												
524	237	3.29	258	3.79	277	4.30	298	4.90	339	6.33	379	7.98										
586	252	4.27	270	4.04	287	5.27	306	5.86	342	7.21	380	8.88	415	10.7								
642	267	5.26	282	5.83	299	6.37	315	6.94	348	8.36	382	9.85	416	11.6	464	14.5						
718			302	7.53	315	8.13	330	8.65	359	10.1	390	11.6	419	13.4	465	16.3	509	19.6				
786					332	10.0	346	10.7	372	12.0	400	13.6	427	15.3	468	18.1	510	21.3	549	25.1		
850							361	12.7	385	14.2	411	15.8	435	17.5	473	20.1	513	23.5	550	26.9	599	32.2
926									402	17.2	427	18.7	450	20.7	482	23.2	518	26.3	553	29.9	600	34.9
1015									426	21.3	446	23.1	468	24.5	498	27.5	530	30.5	561	33.9	604	38.9
1095											467	27.5	485	29.2	515	32.2	544	35.3	570	38.5	610	43.3
1170											488	32.1	505	34.2	530	36.6	558	40.1	585	43.3	620	48.3
1240													523	39.0	547	42.2	573	45.1	597	48.6	630	53.4
1310															564	47.5	589	50.9	610	54.5	644	58.9
1430															597	58.6	618	62.7	640	66.0	668	71.6
1550																	648	74.2	666	79.1	694	83.6
1650																			695	91.8	717	97.0
1750																					745	113
1850																						

Multi-blade Fan Performance Table No.8

Air Flow	Blower Static Pressure Aq.																					
	15 mm		20 mm		25 mm		30 mm		40 mm		50 mm		60 mm		75 mm		90 mm		105 mm		125 mm	
m³/min	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW
418	182	1.90	209	2.57																		
484	184	2.28	210	2.92	234	3.66																
540	189	2.72	212	3.46	235	4.07	258	4.95														
594	195	3.22	216	3.82	236	4.51	258	5.38	296	7.28												
684	208	4.30	225	4.93	243	5.69	261	6.42	297	8.28	331	10.4										
764	221	5.57	236	6.16	252	6.86	268	7.68	299	9.47	332	11.5	364	14.0								
838	234	6.86	247	7.53	262	8.36	276	9.10	304	10.8	334	12.8	364	15.2	406	19.2						
936			264	9.77	276	10.6	290	11.4	314	13.1	340	15.1	367	17.3	407	21.2	444	25.6				
1025					292	13.1	303	14.0	326	15.7	349	17.6	376	19.9	410	23.4	445	27.8	481	32.6		
1110							317	16.6	337	18.4	359	20.5	381	22.8	414	26.3	447	30.6	482	35.1	524	41.9
1210									353	22.4	373	24.3	393	26.9	422	30.4	452	34.2	485	39.0	525	45.7
1325									373	27.8	390	30.0	409	32.1	436	35.9	462	39.8	492	44.2	528	50.7
1430											408	35.5	425	38.2	450	42.0	474	45.8	500	50.3	535	56.7
1530											426	41.6	442	44.6	464	48.0	488	52.8	512	56.5	543	63.1
1620													457	51.0	479	55.1	500	58.6	524	63.6	552	70.1
1710															494	62.1	514	66.2	535	70.8	563	76.8
1870															522	76.8	540	81.3	560	85.8	585	94.0
2020																	565	97.0	585	103	606	110
2160																			609	120	627	127
2300																					652	147
2420																						

Wind Force System

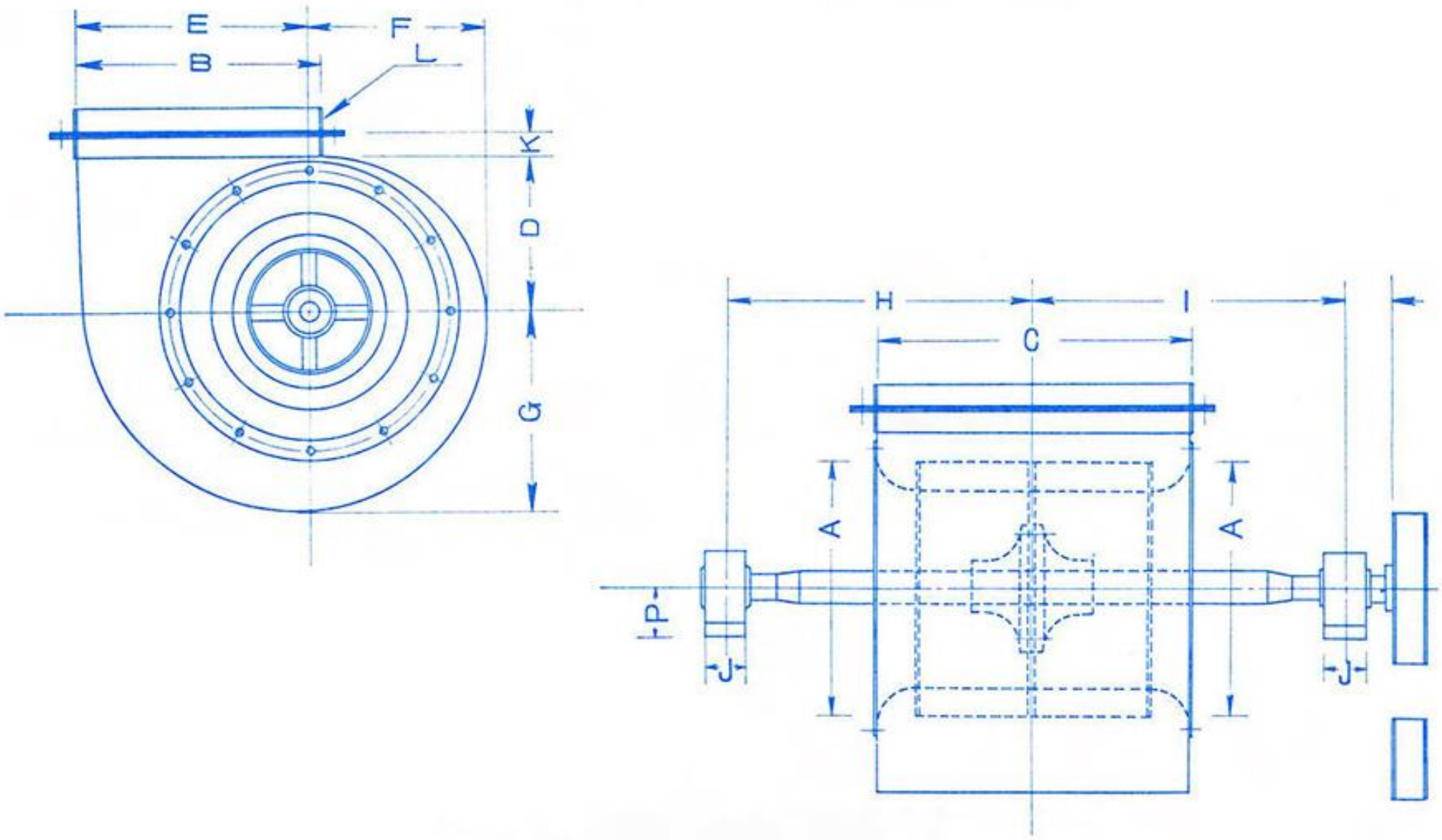
Multi-blade Fan Performance Table No.9

Air Flow	Blower Static Pressure Aq.																					
	15 mm		20 mm		25 mm		30 mm		40 mm		50 mm		60 mm		75 mm		90 mm		105 mm		125 mm	
m³/min	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW
532	162	2.41	186	3.26																		
612	164	2.88	187	3.70	208	4.65																
685	168	3.45	189	4.22	209	5.16	229	6.24														
750	174	4.07	192	4.84	210	5.73	229	6.80	263	9.25												
866	185	5.45	200	6.26	216	7.14	232	8.13	264	10.4	294	13.1										
968	196	7.06	210	7.83	224	8.73	238	9.70	266	11.9	295	14.5	324	17.7								
1060	208	8.65	220	9.62	233	10.5	246	11.5	271	13.7	297	16.2	324	19.2	361	24.2						
1190			235	12.4	246	13.4	258	14.4	279	16.6	303	19.1	326	21.9	362	26.9	395	32.5				
1300					259	16.5	269	17.7	290	19.9	310	22.3	332	25.1	364	29.9	396	35.3	427	41.4		
1405							282	21.0	300	23.3	319	26.0	339	28.8	368	33.4	398	38.9	428	44.5	466	53.0
1530									314	28.4	332	30.7	350	34.0	376	38.5	402	43.3	431	49.4	467	57.6
1675									332	35.0	347	37.9	364	40.6	388	45.5	411	50.4	437	56.0	470	63.9
1810											363	45.1	378	48.1	400	53.3	422	58.3	445	63.6	475	71.4
1935											379	52.6	393	56.3	413	60.8	434	66.2	455	71.5	483	79.8
2050													407	64.5	426	70.0	445	74.2	465	80.6	491	88.0
2160															438	79.1	457	84.3	477	90.3	501	97.0
2370															465	97.0	480	104	498	109	520	118
2560																	503	123	520	131	540	138
2740																			541	151	558	160
2900																					580	185
3060																						

Multi-blade Fan Performance Table No.10

Air Flow	Blower Static Pressure Aq.																					
	15 mm		20 mm		25 mm		30 mm		40 mm		50 mm		60 mm		75 mm		90 mm		105 mm		125 mm	
m³/min	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW	r.p.m	B.KW
655	146	2.97	168	4.02																		
750	148	3.56	168	4.57	187	5.74																
845	152	4.25	169	5.20	188	6.39	206	7.68														
925	157	5.03	172	5.98	189	7.07	206	8.43	237	11.4												
1070	167	6.73	180	7.68	194	8.80	208	10.1	238	12.9	265	16.3										
1190	177	8.73	189	9.62	202	10.7	214	12.0	240	14.7	266	18.1	291	21.9								
1310	187	10.7	198	11.9	210	13.1	221	14.2	244	16.9	268	20.1	291	23.7	324	29.7						
1460			211	15.3	221	16.6	232	17.7	252	20.5	273	23.6	293	27.1	325	33.0	355	40.0				
1600					233	20.4	242	21.9	262	24.5	280	27.6	298	31.1	327	36.7	356	43.4	384	51.0		
1730							253	26.0	270	28.8	288	31.4	304	35.7	331	40.9	358	47.7	385	54.8	419	65.8
1890									283	35.1	299	38.1	314	41.9	338	47.1	362	53.4	387	60.8	420	71.4
2070									299	43.3	313	46.8	327	50.0	348	55.8	370	62.1	393	69.0	422	79.1
2240											327	55.8	340	59.7	360	65.4	380	71.5	400	78.3	428	88.8
2390											342	65.2	353	69.4	371	75.3	390	82.1	409	88.0	434	98.5
2540													366	79.8	382	85.8	400	91.8	417	99.2	442	110
2670															394	97.0	412	104	428	111	450	121
2930															417	119	432	128	448	134	468	145
3160																	452	151	449	161	485	170
3380																			486	187	503	198
3580																					522	230
3780																						

Approximate Dimension of General-Purpose Double-Suction Type Multi-Blade Fan



# Symbol	A	B	C	D	E	F	G	J	K	L	P	MP	FP	H	I
1	164	160	230	100	154	116	132	48	30	3 t 25×25	46				
1 ½	246	240	330	150	231	174	188	〃	〃	〃	46				
2	328	320	440	200	308	232	264	〃	〃	〃	48				
2 ½	410	400	537	250	385	290	330	54	40	30×30	55				
3	492	480	678	300	462	348	396	〃	〃	〃	55				
3 ½	574	560	798	350	539	406	462	〃	50	40×40	55				
4	656	640	880	400	616	464	528	57	〃	〃	60				
4 ½	738	720	1030	450	693	522	594	60	〃	〃	65				
5	820	800	1150	490	770	580	660	64	60	6 t 50×50	70				
5 ½	902	880	1250	540	847	637	726	68	〃	〃	75				
6	985	960	1334	600	924	696	792	95	〃	〃	100				

Performance Table of General-Purpose Double-Suction Type Multi-Blade Fan

(V-belt driven, air temperature in case of 20°C)

Static Pressure	No. / Specification	No. 1¼	No. 1½	No. 1¾	No. 2	No. 2½	No. 3	No. 3½	No. 4	No. 4½	No. 5	No. 5½	No. 6	Input Speed m/sec	Output Speed m/sec	Peripheral Spd m/sec
10	Air flow m^3/min	15.3	22	30.1	39.3	61.3	88.2	120	157	200	245	297	352	3.9	4.4	8.6
	Rotation Spd r.p.m	932	780	669	586	468	389	335	293	261	234	214	195			
	Power B.Kw	0.05	0.07	0.10	0.13	0.22	0.30	0.40	0.55	0.70	0.86	1.04	1.22			
15	Air flow m^3/min	18.8	27	36.7	48.2	75	107	147	192	244	300	362	432	4.7	5.4	12.3
	Rotation Spd r.p.m	1145	954	818	717	573	475	410	358	318	286	260	239			
	Power B.Kw	0.10	0.14	0.19	0.25	0.39	0.56	0.77	1.00	1.28	1.56	1.88	2.24			
20	Air flow m^3/min	21.7	31.1	42.4	55.6	86.6	124	169	222	282	346	418	496	4.5	6.2	14.2
	Rotation Spd r.p.m	1322	1100	943	828	661	548	423	413	367	330	300	275			
	Power B.Kw	0.15	0.22	0.29	0.39	0.60	0.85	1.18	1.54	1.97	2.40	2.89	3.43			
25	Air flow m^3/min	24.2	34.8	47.5	61.9	96.8	139	190	248	315	388	470	556	6.1	7.0	15.9
	Rotation Spd r.p.m	1480	1232	1057	925	739	613	529	462	411	370	336	308			
	Power B.Kw	0.21	0.31	0.41	0.54	0.84	1.19	1.66	2.16	2.74	3.39	4.05	4.83			
30	Air flow m^3/min	26.6	38.2	52.1	69.2	106	152	208	273	345	425	515	609	6.7	7.7	17.4
	Rotation Spd r.p.m	1620	1350	1159	1033	810	672	580	507	451	405	369	337			
	Power B.Kw	0.28	0.39	0.54	0.75	1.11	1.57	2.18	2.85	3.62	4.42	5.39	6.33			
40	Air flow m^3/min	30.7	44.1	60.2	78.4	121.5	176	240	315	399	491	594	704	7.8	8.9	20.1
	Rotation Spd r.p.m	1873	1560	1339	1172	936	776	670	586	521	468	426	390			
	Power B.Kw	0.43	0.61	0.84	1.10	1.66	2.42	3.36	4.39	5.36	6.84	8.28	9.77			
50	Air flow m^3/min	34.3	49.3	67.2	87.8	137	197	269	352	446	549	664	790	8.7	9.9	22.5
	Rotation Spd r.p.m	2093	1744	1496	1310	1047	868	749	655	582	523	476	436			
	Power B.Kw	0.60	0.86	1.17	1.54	2.39	3.40	3.52	6.15	7.76	9.55	11.56	13.65			
60	Air flow m^3/min	37.5	53.9	73.6	95.0	150	221	294	385	488	600	727	853	9.5	10.9	24.6
	Rotation Spd r.p.m	2290.	1906	1637	1434	1146	950	819	716	637	572	521	478			
	Power B.Kw	0.78	1.13	1.53	2.01	3.13	4.45	6.14	8.02	10.2	12.5	15.1	18.0			
75	Air flow m^3/min	42.0	60.4	82.4	107	188	241	329	431	546	671	813	964	10.6	12.2	27.5
	Rotation Spd r.p.m	2562.	2135	1832	1604	1282	1063	917	803	713	640	583	534			
	Power B.Kw	1.1	1.58	2.15	2.54	4.39	6.24	8.65	11.3	14.3	17.5	21.2	25.1			
100	Air flow m^3/min	48.5	69.6	95.0	124	194	278	381	497	618	795	937	1112	12.3	14.1	31.8
	Rotation Spd r.p.m	2960	2460	2112	1850	1480	1228	1062	925	822	739	672	1616			
	Power B.Kw	1.69	2.42	3.30	4.32	6.70	9.62	13.4	17.3	21.9	27.0	32.5	38.6			

Note 1: Shaft motor brake power is capable of increasing 15%-20% of value on the table.
Note 2: Air flow can be increased to 40% in same machine.
Note 3: Direct types are specially designed.