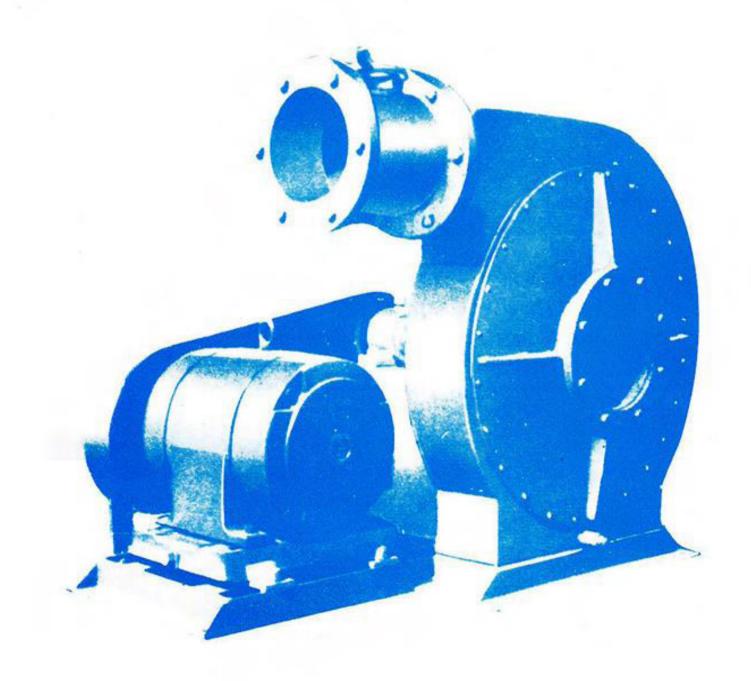


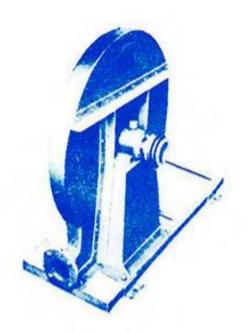
# TURBO FAN & TURBO BLOWERS

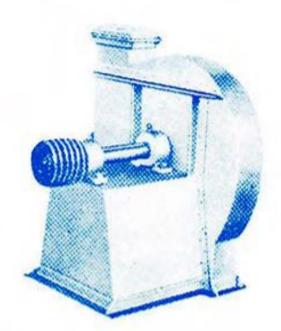






#### Wind Turbo Blowers - Turbo Fan





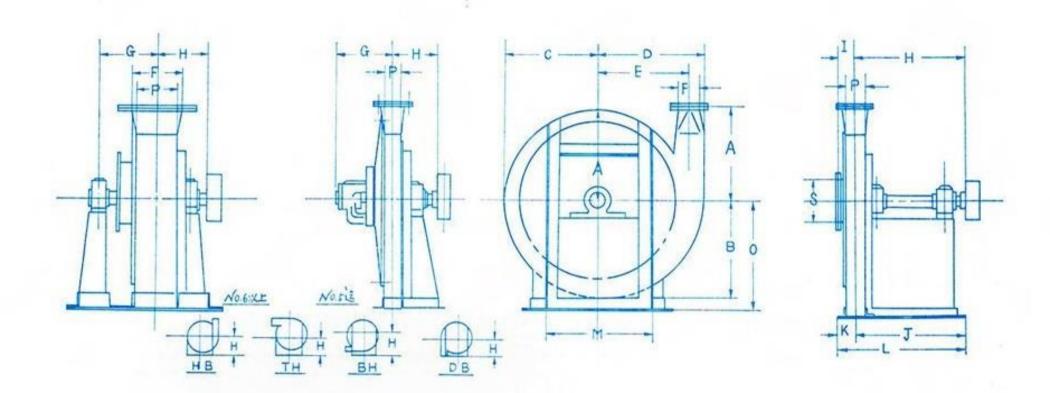
**Turbo blower and turbo fan** are products based on many years of research and experiments by professional engineers. It aims to create quiet and comfortable working environment.

**Turbo blower** is appropriate to work under pressure ranges from 500mmAq or more. The pressure is generated by the centrifugal force of the spinning air or gas through the propeller, like centrifugal pumps. With solid structure and non-vibrate, turbo blower operates economically and efficiently.

Turbo fan, one type of centrifugal blowers, can operate in maximum pressure of 400mmAq. Propeller is designed to work better under the condition demanding high air flow and higher performance. Furthermore, shaft power is a special structure to prevent overloading incidents. Turbo fan which has less number of blades and solid composition, would be used in high temperature or corrosive gas environment.



#### **Approximate Dimensions Table of Tow Turbo Blower**



Symbol No.	A	В	С	D	E	F	G	н	1
No. 2A	305	330	318	353	310	50	75 191	130 380	75
No. 2	355	380	370	395	350	50	90	130 420	90
No. 3	355	380	370	395	350	75	100 203	160 420	100
No. 4	360	400	380	420	350	100	110 203	160 465	110
No. 5	365	420	395	450	370	125	130 216	190 520	130
No. 6	380	430	400	460	370	156	150 330	220 550	150
No. 8	390	450	420	480	370	182	170 390	250 560	170
No. 10	410	462	430	511	380	253	190 450	300 590	190

1	V	L	M			0		P	-
J	K	L	IVI	UB	тн	вн	DB		S
400	65	465	350	370	360	395	345	50	127
440	68	508	360	420	410	435	395	56	152
450	73	523	360	420	410	435	395	66	160
500	93	593	420	450	430	470	410	85	175
556	97.5	647.5	420	470	445	500	420	95	200
570	123	693	450	495	465	525	445	115	225
590	145	735	500	515	485	545	455	165	252
625	165	790	550	530	495	580	475	200	280



#### TOW's Performances Table (V-Belt Driven, Gas Temperature 20°C)

res- ure	Specification	No.	No.2A	No. 2	No. 3	No. 4	No. 5	No. 6	No. 8	No.10	Blow Spd m/s	Suction Spd m/s	10 EX
	Air flow	m³/min	2.9	3.1	3.9	7.3	7.6	13.4	18.9	28. 6	1.55		
100	Rotation Speed	r. p. m	1385	1184	1096	1068 :	1105	1060	1096	1020	10~25	3~8	30~40
	Power	B. KW	0.12	0.12	0.12	0. 22	0. 25	0.38	0. 52	0. 81			
	Air flow	m³/min	4. 1	4.4	5. 5	10.3	10.8	19.0	26. 7	40. 4			
200	Rotation speed	r. p. m	1960	1674	1550	1510	1560	1500	1550	1443	13~38	4~10	49~5
	Power	B. KW	0.34	0. 33	0.33	0. 63	0.70	1. 07	1.48	2. 30			
	Air flow	m³/min	5. 1	5.4	6.7	12.6	13. 2	23. 3	32.7	49. 5			
300	Rotation	r. p. m	2400	2050	1896	1850	1914	1838	1896	1768	16~46	5~13	60~67
	speed Power	B. KW	0.60	0.60	0.60	1. 15	1. 28	1.98	2. 72	4. 21			
	Air flow	m³/min	5. 5	5. 9	7.3	13.6	14. 3	25. 2	35. 3	53. 5			
350	Rotation	r. p. m	2590	2218	2050	2000	2064	1986	2050	1910	18~50	5~15	65~70
	speed Power	B. KW	0. 77	0. 76	0. 76	1. 45	1.62	2. 48	3. 42	5. 31	ATTEN SECOND	Mark Book	
	Air flow	m³/min	5. 9	6.3	7.8	14. 5	15. 3	27. 0	37. 8	57. 2			
400	Rotation	r. p. m	2770	2370	2191	2132	2210	2122	2192	2042	19~54	6~16	70~8
	speed Power	B. KW	0. 93	0. 93	0. 93	1.77	1.98	3. 04		100	1000 100000	100 COLU	192 8
	Air flow	m³/min	6. 2	6.7	8.3	15. 4	16. 2	28. 6	40. 1	60. 6		E-tille. Seeding	
450	Rotation	r. p. m	2940	2512	2325	2261	2342	2250	2325	2165	20~57	6~16	75~8
	speed Power	B. KW	1. 12	1. 12	1.11	2. 11	2. 36	3. 63	5. 00				
	Air flow	m³/min		7. 0	8. 70	16.3	17. 0	30. 1	42.3	63. 9			
500	Rotation	r. p. m		2650	2450	2393	2468	2372	2570	2282	21~59	6 ~ 21	80~8
	speed Power	B. KW		1.31	1.31	2. 50		4. 25	6. 77		-		
	Air flow	m³/min		7.4	9. 1	17. 0	17.8	31.6	44. 3	67. 0			
550	Rotation	r. p. m		2780	2571	2502	2468	2490	2570	2395	22~63	7~18	80~9
550	speed Power	B. KW		1.50		2. 86	No. of the last of	-20.00000		27.00.000	- 22 00		00 0
	Air flow	m <sup>3</sup> /min		7.7	9. 5	17.8	18. 6	33	46. 3	70.0			
600	Rotation	r. p. m		2900	2685	2620	2700	2600	2685	2500	23~65	7~19	85~9
000	speed Power	B. KW		1.72	100	3. 27	3. 63	5. 60	1000	500 2	20 00		00 0
	Air flow	m³/min		1.72	9.9	18. 5	19. 4	34. 3	48. 2	72. 8	-		
CEO	Rotation	2000 (A1000 E05)			2000	A CONTRACTOR		1000000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2600	24-60	7 ~ 20	89~9
650	speed	r. p. m			2797	2718	2815	2705	2790	Total Control	24~68	7 ~ 20	09 9
	Power	B. KW			1. 93		500,000	- 1 Maria	200	1000	-		
700	Air flow Rotation	m³/min			10.3	19. 2	20. 2	36. 6	50	75. 6	05 70	7 5 00	00 10
700	speed	r. p. m	-		2900	2821	2920	2805	2900	2700	25~70	7.5~20	90~10
	Power	B. KW			2. 16	4. 09	4. 57	7. 04	9. 70	15. 1	1		

Note 1: Shaft motor brake power is caple of increasing 10%-15% of value on the table. Note 2: Air flow can be increased to 45% in same machine.

Note 3: Direct types are designed separately.

Special notes:

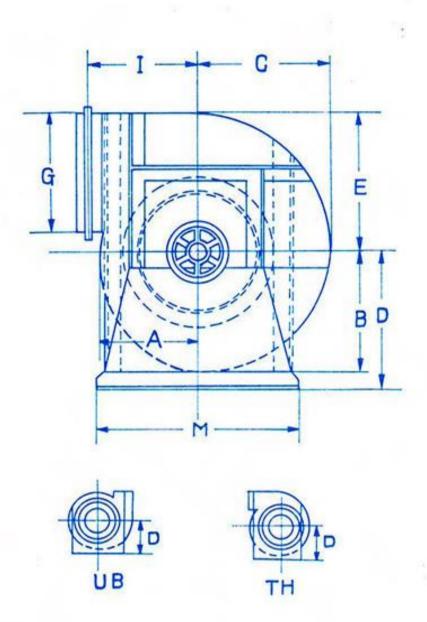
Air flow quantity 20 m5/min ~ 100 m5/min

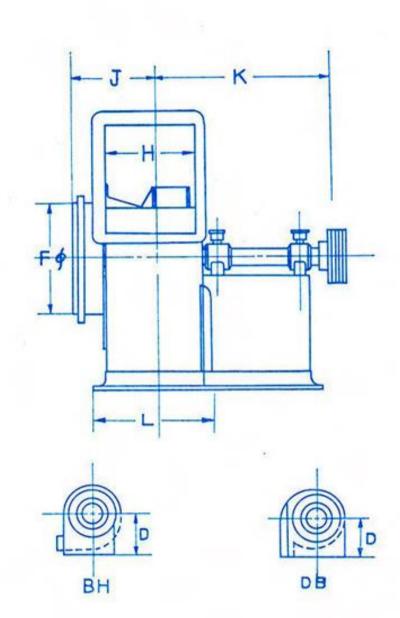
Static pressure 1,000 ~ 1,500 mmAq

TOW-SH type is designed and manufactured separately according to an order.



# **Approximate Dimensions Table of TB-F Turbo Fan**

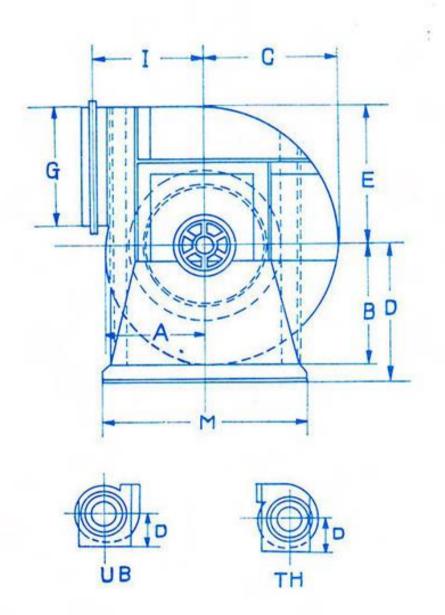


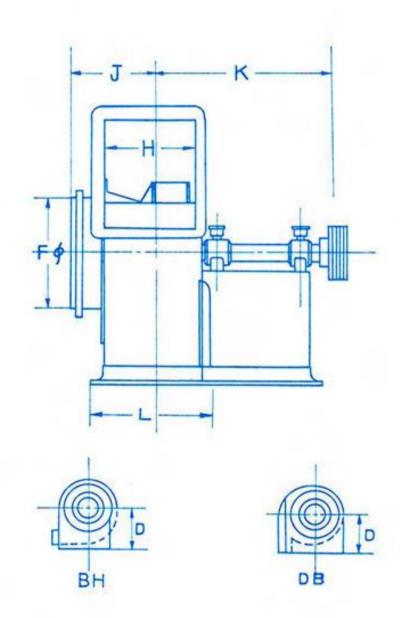


Symbol			_						_	_	п		-4	L/	TW.	
No.	Α	В	С	UB	ТН	вн	DB	E	F	G	Н	,	J	K	_	М
No. 1½	145	186	205	230	215	250	180	225	180	180	150	180	130	360	250	290
No. 2	198	232	256	285	260	330	230	300	240	240	200	230	175	530	310	470
No. 2½	246	289	332	360	320	400	280	375	300	300	- 250	280	200	580	360	580
No.3	291	344	397	325	400	480	330	450	360	360	300	330	230	660	410	690
No. 3½	340	401	463	490	430	550	370	525	420	420	350	370	255	700	460	800
No. 4	390	460	530	560	490	630	420	600	480	480	400	420	290	750	540	920
No. 4½	435	515	595	620	550	700	470	675	540	540	450	470	315	830	590	1030
No. 5	480	570	660	690	600	780	520	750	600	600	500	520	350	910	640	1140
No. 5½	530	629	727	755	660	850	570	825	660	660	550	570	375	1000	690	1250
No. 6	564	676	788	820	700	930	620	900	720	720	600	620	420	1100	740	1340
No. 6½	595	714	832	860	740	1000	670	975	780	780	650	670	450	1150	790	1400
No. 7	645	780	915	940	810	1080	720	1050	840	840	700	720	480	1200	860	1500



# Approximate Dimensions Table of TB-F Turbo Fan





Symbol		B			[	)		_	F		н	,		12		
No.	А	В	С	UB	ТН	вн	DB	E	-	G	н	1	J	K	L	М
No. 7½	692	835	980	1010	850	1150	770	1125	900	900	750	770	520	1250	910	1600
No. 8	738	890	1045	1070	920	1230	820	1200	960	960	800	820	550	1300	960	1700
No. 9	830	1000	1175	1200	1030	1380	870	1350	1080	1080	900	870	580	1500	1110	1900
No. 10	922	1110	1195	1220	1140	1530	920	1500	1200	1200	1000	920	600	1620	1210	2100
No. 11	1015	1220	1315	1340	1250	1680	1010	1650	1320	1330	1100	1010	680	1720	1310	2300
No. 12	1100	1330	1413	1440	1360	1770	1100	1745	1440	1440	1200	1100	750	1900	1410	2450
No. 13	1190	1440	1530	1560	1470	1920	1190	1895	1560	1560	1300	1190	780	2000	1510	2650
No. 14	1280	1550	1650	1680	1580	2070	1280	2040	1680	1680	1400	1280	850	2100	1610	2850
No. 15	1370	1660	1770	1800	1690	2210	1350	2185	1800	1800	1500	1350	900	2250	1710	3100
No. 16	1460	1770	1890	1920	1800	2360	1450	2330	1920	1920	1600	1450	970	2450	1810	3250
No. 18	1640	1990	2130	2160	2020	2650	1600	2620	2160	2160	1800	1600	1100	2650	2000	3650



# TB-F's Performances Table 1 (V-Belt Driven, Gas Temperature 20°C)

												- 11-11	-
Pres- sure	Specificat	No.	No.11/2	No. 2	No.21/2	No. 3	No.31/2	No. 4	No.41/2	No. 5	No.51/2	No. 6	No.61/2
	Air flow	${\rm m}^3/{\rm min}$	10.4	18.4	28. 7	41.4	56.7	72. 2	92.8	115	148	166	195
50	Rotation Speed	r. p. m	2650	1995	1590	1326	1145	995	884	796	725	664	612
	Power	B. KW	0. 13	0. 25	0.39	0. 57	0. 78	0. 98	1. 25	1. 54	1.87	2. 22	2. 6
	Air flow	m³/min	12.6	22. 3	35. 0	50. 2	68. 5	892	113	140	179	202	237
75	Rotation Speed	r.p.m	3225	2420	1935	1613	1382	1210	1075	968	881	807	744
	Power	B. KW	0. 25	0.44	0.70	1.00	1.36	1.77	2. 24	2. 76	3. 36	4. 00	4.7
	Air flow	m³/min		25. 9	40.6	58. 4	79.6	104	131	163	209	234	275
100	Rotation Speed	r.p.m		2815	2250	1874	1606	1406	1249	1125	1024	938	864
	Power	B. KW		0.70	1. 09	1. 55	2. 13	2. 78	3. 51	4. 36	5. 30	6. 30	7.3
	Air flow	m³/min		N. 1. 4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	47.6	68. 5	93. 3	122	154	190	244	275	322
125	Rotation	r.p.m			2635	2196	1883	1648	1464	1318	1200	1100	1014
	Speed Power	B. KW			1. 75	2. 51	3. 43	4. 47	5. 65		-	10.1	11.8
	Air flow	m³/min			49. 8	71.6	97.4	127	161	200	255	287	337
150	Rotation	r.p.m			2755	2296	1968	1724	1531	1378	1254	1149	1060
	Speed Power	B. KW			2. 00	2. 87	3. 90	5. 13		7300-0100		11.5	13. 5
	Air flow	m³/min			2.00	86. 8	118	154	194	241	309	346	407
200	Rotation	r. p. m				2780	2381	2085	1852	1668	1519	1390	1283
200	Speed Power	B. KW				5. 09	7. 00	1		14. 2	17. 2	20.4	24. (
	Air flow	m³/min				92. 4	126	164	207	257	330	370	435
250	Rotation	r. p. m			,	2965	2540	2222	1975	1778	1619	1483	1368
230	Speed Power	B. KW				-	100000	ALC: NO		TO THE REAL PROPERTY.	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	THE PERSON NAMED IN COLUMN 1	
	Air flow					6. 17			13. 9	17. 3	20. 8	24. 8	29. 1
000	Rotation	m³/min					138	180	227	282	361	405	476
300	Speed	r. p. m					2780	2435	2162	1947	1772	A STATE OF THE STA	1498
	Power	B. KW		-			11.0	14. 5	18.3	22. 6	27.3	32. 7	38. 2
	Air flow Rotation	m³/min					149	194	246	304	390	438	514
350	Speed	r. p. m					3005	2630	2338	2102	1915	1755	1618
	Power	B. KW					14. 0	18. 3	23. 0	28. 4	34. 5	44. 2	48. 2
	Air flow Rotation	m³/min						208	262	325	417	468	550
400	Speed	r.p.m	7, 37					2812	2500	2250	2049	1875	1730
	Power	B. KW						22. 3	28. 1	34. 9	42. 2	50.3	58. 8
	Air flow	m³/min						220	279	344	443	498	584
450	Rotation Speed	r.p.m						2988	2652	2379	2173	1992	1836
	Power	B. KW						26. 6	33. 6	41.3	50.7	60. 1	70.
	Air flow	m³/min							293	362	466	525	615
500	Rotation Speed	r.p.m							2795	2502	2290	2100	1935
	Power	B. KW							39. 2	48. 1	59.1	70.6	82. 1

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 50% in same machine.

Note 3: Direct types are designed separately.



#### TB-F's Performances Table 2 (V-Belt Driven, Gas Temperature 20°C)

Pres- sure	Specificati	No.	No. 7	No.7 1/2	No. 8	No. 9	No.10	No.11	No.12	No.13	No.14	No.15	No.16	No.18	Input speed m/sec	Outpu speed m/sec
	Air flow	m³/min	225	259	294	372	460	558	662	780	904	1040	1180	1490		
50	Rotation Speed	r. p. m	569	530	498	442	398	362	332	308	285	266	249	221	6.84	6. 43
	Power	B. KW	3. 03	3. 47	3.96	5. 0	6. 12	7. 53	8.88	10.89	12. 23	13.95	15. 67	19.77		
	Air flow	m³/min	274	315	357	452	559	678	807	944	1100	1265	1440	1820		
75	Rotation Speed	r. p. m	692	645	605	537	484	440	404	373	346	323	303	269	8. 26	7.80
	Power	B. KW	5. 45	6. 25	7. 10	8. 95	11.16	13.5	16.11	19. 32	21.86	25. 07	28. 35	36. 18		
	Air flow	m³/min	318	366	415	526	649	787	936	1096	1275	1460	1660	2110		
100	Rotation Speed	r. p. m	804	749	703	624	562	511	469	433	402	375	352	312	9.6	9. 03
	Power	B. KW	8.58	9.77	11.04	14.1	17.31	21.11	25. 07	30.06	34.02	39. 02	44.01	56.7		S. Million
	Air flow	m³/min	373	429	486	616	762	924	1098	1287	1495	1720	1870	2470		
125	Rotation Speed	r. p. m	942	878	824	732	660	599	550	508	471	440	412	366	11.3	10.6
	Power	B. KW	13.8	15.82	18.58	22. 68	28. 05	34. 17	40.58	48. 79	54. 83	63.41	71.62	89. 52	- AND MANUAL OF	
	Air flow	m³/min	390	487	508	644	796	966	1146	1343	1563	1800	2050	2590		-
150	Rotation	r. p. m	985	1000	862	765	689	627	574	530	493	460	431	383	11.7	11.0
1600	Power	B. KW	15. 67	23. 28	20.44	25. 89	32.0	39. 09	46. 03	55. 35	62.66	73. 26	82.06	104.44	1,490,090,0	Leaning
	Air flow	m³/min	480	542	616	780	963	1168	1387	1625	1890	2200	2460	3130		
200	Rotation	r. p. m	1193	1112	1043	926	834	758	695	642	596	560	522	463	14.2	13.4
	Power	B. KW	27. 98	V 26 (A)	36. 26	45. 95	56.7	69. 08	81.31	97.73	95695	0720000	144.72	01,5946	60000/TE	(ASSA)
		m³/ min	504	578	656	832	1026	1246	1480	1732	2018	2320	2630	3340	Total State	
250	Rotation	r. p. m	1270	1185	1112	988	889	808	741	684	636	593	556	494	15. 2	14.3
200	Speed	B. KW	33.72	38. 72	43.57	55. 88	68. 63	83. 55	99. 22	118.61	134. 28	155. 91	175. 31	223. 8		10000
		m³/min	551	634	718	911	1125	1366	1620	1900	2210	2530	2880	3660		
300	Air flow Rotation		1392	1298	1218	1082	975	886	811	750	696	649	609	541	16.7	15.7
300	Speed	r. p. m B. KW	44. 31	51.03	57.67	73. 11	90. 27	110.41	129.8	158. 15	0.4/4.0	204.4	231 .26	294.67	10.7	13.1
	Power	NAME OF TAXABLE PARTY.		683	777	984	1215	1480	1750	2050	2385	2750	3110	3960		
250	Air flow Rotation	m³/min	596				1053		877	810		702	658	584	17. 95	16.9
350	Speed	r. p. m	1504 55. 95	1400 63.86	72.88	91.76	113.39	957	163. 37	197.69	752 223. 8	258.86	290.94	373	17.55	10.5
	Power	B. KW	636	732	830	1054	1300	1576	1870	2192	2550	2950	3330	4250		-
	Air flow Rotation	m³/ min	-	10.00	10000	1000000	ST S	TARREST .		200	-				19.2	18.0
400	Speed	r. p. m	1607	1500	1407	1250	1126	1023	937	866	804	750	704	624	13.2	10.0
	Power	B. KW	68. 26	78. 33	88.77	113.39	139.5	169. 34	199. 93	240.96	Market 1975	313.32	354. 35	447.6		-
	Air flow Rotation	m³/min	676	76	880	1117	1380	1674	1990	2330	2710	3120	3530	4500	20.4	10.0
450	Speed	r. p. m	1706	1591	1493	1326	1195	1086	996	919	854	797	747	663	20.4	19.2
	Power	B. KW	81.31	93. 25	105. 93	135. 03	166. 36	202. 17	240.96	2.75.953	328. 24	373	421.49	100000		-
	Air flow	m³/min	713	818	929	1186	1455	1765	2100	2450	2852	3280	3820	4720	92 2	Seleveror.
500	Rotation Speed	r. p. m	1800	1676	1574	1397	1260	1145	1050	968	900	839	786	699	21.5	20. 2
	Power	B. KW	95. 49	109.66	123.84	157. 41	195. 45	237. 23	282, 73	336. 45	380.46	436.41	492. 36	634.1		

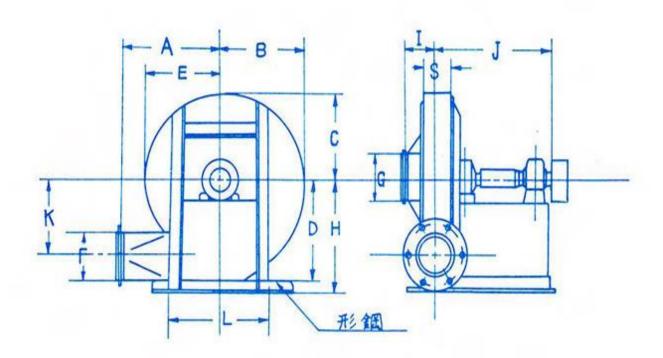
Note 1: Shaft motor brake power is capable of increasing 10%-15% of value on the table.

Note 2: Air flow can be increased to 45% in same machine.

Note 3: Direct types are designed separately.



# Approximate Dimensions Table of POW-K Turbo Blower



	Α	В	С	D	E	F	G	Н	-1	J	K	L	S	Steel size
No. 2	285	265	241	289	217.5	140	165	320	90	530	220	330	111	5 ×40×40
No. 2 ½	360	331	301	361	272	175	210	400	110	580	275	410	139	5 ×40×40
No. 3	430	397.5	361.5	433.5	326	210	250	485	130	660	330	490	167	6 ×50×50
No. 3 ½	500	464	422	506	381	245	290	570	155	700	385	580	194	6 ×50×50
No. 4	575	530	482	578	435	280	330	650	175	740	440	660	222	6 ×65×65
No. 4 ½	650	596	542	650	490	315	370	735	200	770	495	740	250	6 ×65×65
No.5	720	662	602	723	544	350	415	810	220	820	550	820	277	6 ×65×65
No. 5 ½	790	729	663	795	598	385	455	890	240	900	605	900	305	6 ×65×65
No. 6	860	795	723	867	652	420	495	975	260	990	660	990	333	6 ×65×65
No. 6 ½	930	862	783	939	707	455	536	1050	285	1100	715	1060	361	9 ×75×75
No. 7	1000	928	844	1012	762	490	580	1150	305	1150	770	1150	388	9 ×75×75
No. 8	1150	1060	964	1156	870	560	660	1300	350	1250	880	1320	444	9 ×75×75
No. 9	1300	1193	1085	1300	979	630	745	1450	395	1400	990	1500	500	9 ×75×75
No. 10	1450	1325	1205	1445	1088	700	825	1600	440	1500	1100	1650	555	9×90×90

### POW-K's Performances Table (V-Belt Driven, Gas Temperature 20°C)

res ure	Specificati	No.	No. 2	No.21/2	No. 3	No.3½	No. 4	No.41/2	No. 5	No.51/2	No. 6	No.61/2	No. 7	No. 8	No. 9	No.10	Peripheral Spd m/sec	Input Spd m/sec	Output Sp m/sec
	Air flow	m 3/min	11.2	17. 6	25. 3	35. 0	45. 0	57	70	85. 0	102	118	138	180	223	282			
100	Rotation Spd	r. p. m	2220	1780	1480	1272	1114	988	890	809	742	678	636	556	483	445	37.9	8.7	12.0
	Power	B. KW	0.30	-		0.94	1. 22	THE RESERVE OF THE PERSON NAMED IN	1.94	2. 30	2.75	3.14	3.73	4. 85	5. 77	7.68			
	Air flow	m <sup>3</sup> /min	12.6	19.8	28. 2	39.0	50.0	64	78	95. 0	114	132	154	201	249	314			
125	Rotation Spd		2490	1995	1655	1420	1244	1104	992	904	829	757	710	622	539	497	42.4	9.8	13.5
0.0	Power	B. KW	0.43		0.95	1.31	1.71	2.07	2. 64	3. 23	3.84	4. 39	5. 21	6.79	7. 53	10.6			
	Air flow	m 3/min	13.8	21.6	31.0	42.5	55.0	70	86	105	125	145	169	221	273	346			
150	Rotation Spd	r.p.m	2730	2180	1815	1560	1365	1212	1092	992	910	831	780	682	592	546	46.5	10.8	14.
	Power	B. KW	0.54	0.87	1. 25	1.74		2.86	3. 54	4. 27	5. 08	5. 78	6. 91	9.03	10.6	14.1			
	Air flow	m <sup>3</sup> /min	15.9	25. 0	35. 6	49.0	64. 0	80	100	120	144	167	195	255	315	399			
200	Rotation Spd	r.p.m	3150	2520	2095	1800	1575	1398	1260	1145	1050	959	900	787	683	630	53.5	12.1	17.
	Power	B. KW	0.87	1.36	1.92	2.66	3.46	4. 39	5. 43	6. 53	7. 83	8.80	10.6	13.9	16.3	21.6			
	Air flow	m <sup>3</sup> /min		27.9	39.8	55.0	71.0	90	111	135	160	187	219	285	352	446			
250	Rotation Spd	r. p. m		2810	2330	2010	1760	1563	1407	1279	1173	1072	1010	880	763	704	59.9	13.9	19.
	Power	B. KW		1. 87	2. 66	3.72	4. 82	6. 13	7.53	9.10	10.9	12.5	14.9	19.3	22.7	30.2		0.00	
	Air flow	m 3/min		29.8	42.6	58. 0	76.0	96.0	119	144	171	199	232	303	375	475			
300	Rotation Spd	r.p.m		3000	2500	2140	1874	1664	1498	1362	1248	1140	1070	936	812	749	63.8	14.9	20.
	Power	B. KW		2. 27	3. 27	4. 48	5. 83	7.4	9.2	11.0	13.1	14.9	17.9	23. 2	27.4	36. 5			
	Air flow	m <sup>3</sup> /min		33. 0	47.0	65.0	84.0	107	132	159	190	221	257	337	416	514			
350	Rotation Spd	r.p.m		3330	2760	2375	2080	1845	1664	1512	1385	1266	1188	1040	900	832	70.8	16.1	22.
	Power	B. KW		3.12	4. 45	6.13	7.98	10.1	12.5	15.1	18.0	20.5	24.4	31.9	37.3	50			
	Air flow	m 3/min			50.5	69.0	90.0	114	141	170	203	236	276	361	446	564			
400	Rotation Spd	r.p.m			2955	2545	2227	1976	1780	1618	1485	1355	1272	1114	965	890	75.7	17.5	24.
	Power	B. KW			5. 45	8. 21	9.77	12.4	15.4	18.4	22. 1	25. 0	28. 8	39.3	46. 0	61.2			
	Air flow	m <sup>3</sup> /min	1000000		53. 5	73.0	95. 0	121	149	180	215	251	292	382	472	602		-	
450	Rotation Spd	r. p. m			3140	2695	2360	2093	1886	1714	1573	1435	1347	1180	1022	950	80.3	18.5	25.
	Power	B. KW			6.46	8.88	11.6	14.7	18.2	21.9	26. 2	29.8	35. 5	46. 5	54. 4	74.3			
	Air flow	m <sup>3</sup> /min			56. 2	77.0	100	127	157	190	227	264	308	402	496	623			
500	Rotation Spd	r.p.m			3300	2840	2485	2207	1986	1806	1656	1512	1420	1241	1076	1000	84. 5	19.2	26.
	Power	B. KW			7.61	10.5	13.6	17. 2	21.3	25.7	30.7	34.7	41.7	54. 1	63. 4	86. 5			
	Air flow	m 3/min				85.0	119	140	173	209	249	290	338	442	546	697			
600	Rotation Spd					3120	2940	2425	2185	1985	1820	1662	1560	1365	1183	1100	93.0	21.5	29.
20000000	Power	B. KW		- No.		13.9	18.1	22.9	28.3	34. 1	40.7	46. 3	55. 2	72.2	84. 3	116			
	Air flow	m <sup>3</sup> /min					119	151	186	225	268	312	364	476	588	750			
700	Rotation Spd						2940	2610	2350	2138	1960	1790	1680	1470	1274	1184	100	22.5	32.
305.20	Power	B. KW					22.5	28.6	35. 4	42.4	50.7	57.8	68. 9	89.5	106	142	A STATE OF THE STA	- Control	1



Note 2: Air flow can be changed from -30%- 40% in same machine.



Note 3: Direct types are designed separately.