

TURBO FAN

GTF-B12 series

GSF

SINCE 1975

www.gsfan.co.kr

TURBO FAN GTF-B12 series

B12-Series 고압 터보송풍기는 터보송풍기보다 정압이 높아 통상 풍압 200mmAq ~ 500mmAq에서 사용되고 있습니다. 용도로는 BOILER용 강압송풍, 강제유도송풍, 집진, 제진 등 기타 널리 사용되고 있습니다.

Since the B9-Series high-pressure turbo fan has higher constant pressure than that of turbo fan, it is commonly used at wind pressure of 200mmAq ~ 500mmAq. Forced Ventilation, Forced induced Ventilation, Dust collection, and Ventilation of a Damper.



GTF-B12 series

TURBO FAN

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표준외형도 Standard shape of TURBO FAN(B12 SERIES)

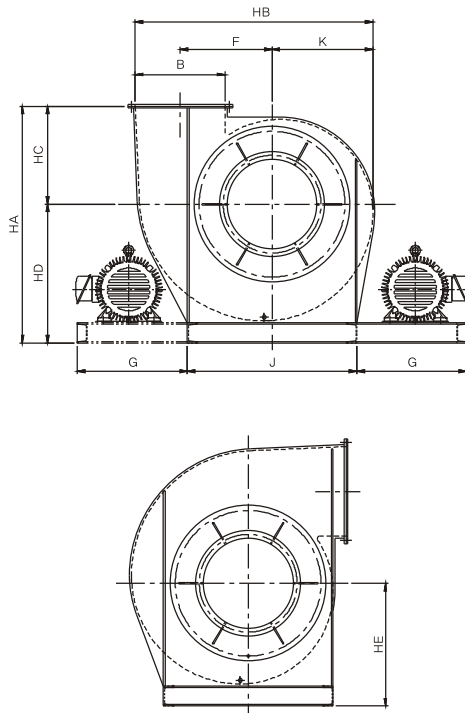


Fig 1

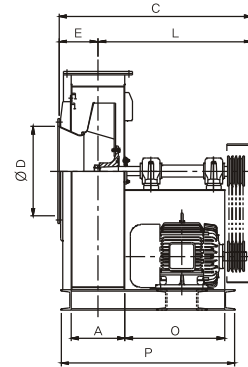


Fig 4

MODEL NO.	A	B	Ø D	E	F	HA	HB	HC	HD	HE	HF	C	J	K	L	O	P	FAN WEIGHT kg
# 2	120	200	200	115	205	550	535	240	310	280	355	705	400	230	590	400	600	60
# 2.5	150	250	250	130	255	660	665	275	385	345	440	735	460	285	605	400	650	105
# 3	180	300	300	145	305	790	795	340	450	400	515	765	570	340	620	400	680	153
# 3.5	210	350	350	165	360	930	935	410	520	460	595	850	660	400	685	450	760	220
# 4	240	400	400	180	410	1060	1065	450	610	540	695	930	750	455	750	500	840	290
# 4.5	270	450	450	195	460	1160	1190	490	670	590	795	960	850	505	765	500	850	380
# 5	300	500	500	225	510	1300	1320	540	760	670	870	1055	950	560	830	550	950	490
# 5.5	330	550	550	240	565	1420	1460	590	830	730	950	1155	1050	620	915	600	1030	590
# 6	360	600	600	255	615	1545	1590	650	895	785	1025	1235	1100	675	980	650	1110	720
# 6.5	390	650	650	270	665	1690	1720	700	990	865	1125	1315	1250	730	1045	700	1220	850
# 7	420	700	700	275	715	1790	1850	740	1050	920	1200	1465	1350	785	1190	800	1350	1020
# 8	480	800	800	325	820	2080	2120	870	1210	1060	1380	1595	1500	900	1270	850	1480	1360

※상기 FAN 중량은 모터가 제외된 중량입니다.
 ※Motor weight was not included in the weight of the fan.

MOTOR BASE

MOTOR	1HP	2HP	3HP	5HP	7.5HP	10HP	15HP	20HP	25HP	30HP	40HP	50HP	60HP
G	400	400	450	450	500	500	550	550	600	600	720	770	770

※상기 치수 및 성능 DATA는 성능 및 품질 개선을 위해 예고없이 변경할 수 있습니다.
 ※The dimensions and performance data can change without notice for performance and quality improvement.

GTF-B12 series

TURBO FAN
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Turbo Fan kits

GTF B12-#2SS

Wheel Dia		304mm		Tip Speed = 0.015xRPM												Outlet Dim'				120x200				Outlet Area				0.024m²	
Capacity (CMM)	Outlet Velocity (m/sec)	100mmAq		110mmAq		120mmAq		130mmAq		140mmAq		150mmAq		160mmAq		170mmAq		180mmAq		190mmAq		200mmAq		210mmAq		220mmAq			
		RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw		
13.9	9.66	2584	0.49	2683	0.54	2785	0.60	2898	0.68																				
14.9	10.33	2615	0.52	2717	0.57	2814	0.63	2908	0.69	3008	0.76	3113	0.84																
15.7	10.93	2648	0.55	2748	0.61	2844	0.66	2941	0.72	3029	0.78	3118	0.85	3216	0.93														
16.6	11.53	2683	0.58	2781	0.64	2881	0.70	2971	0.76	3059	0.82	3147	0.88	3232	0.95	3314	1.01	3411	1.11										
17.5	12.16	2723	0.62	2820	0.68	2913	0.74	3003	0.80	3094	0.86	3179	0.92	3262	0.99	3344	1.06	3423	1.12	3504	1.20	3595	1.29						
18.4	12.78	2763	0.65	2859	0.72	2947	0.78	3040	0.84	3126	0.90	3213	0.97	3297	1.04	3377	1.10	3457	1.17	3533	1.24	3607	1.31	3684	1.39	3770	1.49		
19.3	13.42	2805	0.69	2901	0.75	2987	0.82	3076	0.89	3161	0.95	3246	1.02	3329	1.08	3409	1.15	3487	1.22	3563	1.29	3637	1.36	3713	1.44	3783	1.52		
20.3	14.06	2849	0.72	2941	0.79	3029	0.86	3117	0.93	3198	1.00	3279	1.06	3362	1.13	3441	1.20	3519	1.27	3596	1.35	3671	1.42	3743	1.50	3814	1.57		
21.2	14.70	2894	0.77	2982	0.83	3073	0.90	3159	0.97	3236	1.04	3316	1.11	3396	1.19	3475	1.26	3554	1.33	3630	1.41	3703	1.48	3773	1.55	3847	1.64		
22.1	15.35	2939	0.81	3027	0.87	3117	0.95	3196	1.01	3278	1.09	3357	1.16	3435	1.24	3514	1.32	3590	1.40	3663	1.47	3735	1.54	3810	1.62	3878	1.70		
22.9	15.92	2983	0.85	3072	0.92	3158	0.99	3240	1.06	3321	1.14	3400	1.22	3475	1.29	3555	1.38	3625	1.46	3697	1.53	3772	1.61	3843	1.69				
23.9	16.58	3035	0.91	3118	0.97	3200	1.04	3285	1.12	3365	1.19	3443	1.27	3518	1.35	3594	1.43	3667	1.51	3735	1.59	3808	1.68	3876	1.76				
24.7	17.16	3080	0.96	3166	1.03	3248	1.10	3330	1.17	3410	1.25	3487	1.33	3561	1.41	3634	1.49	3709	1.57	3776	1.65	3848	1.75						
25.7	17.85			3219	1.09	3296	1.16	3375	1.23	3456	1.31	3532	1.39	3606	1.47	3677	1.55	3752	1.64	3818	1.72	3889	1.81						
26.5	18.43			3265	1.15	3346	1.22	3422	1.29	3496	1.36	3575	1.45	3650	1.53	3721	1.62	3792	1.70	3862	1.79								
27.4	19.03					3396	1.29	3475	1.37	3548	1.44	3618	1.51	3693	1.60	3766	1.68	3833	1.77										
28.3	19.67							3520	1.43	3595	1.51	3669	1.59	3736	1.66	3811	1.76	3878	1.84										
29.3	20.32									3646	1.59	3715	1.67	3788	1.75	3852	1.82												
30.1	20.90									3694	1.67	3767	1.75	3833	1.83														
31.0	21.53											3814	1.83	3886	1.92														

Turbo Fan kits

GTF B12-#2.5SS

Wheel Dia	381mm	Tip Speed = 0.019xRPM												Outlet Dim'				150x250				Outlet Area				0.038m²	
Capacity (CMM)	Outlet Velocity (m/sec)	100mmAq		120mmAq		140mmAq		160mmAq		180mmAq		200mmAq		220mmAq		240mmAq		260mmAq		280mmAq		300mmAq		320mmAq		340mmAq	
		RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw
22.2	9.72	2065	0.77	2224	0.94																						
24.1	10.59	2102	0.83	2261	1.00	2406	1.19																				
26.1	11.45	2140	0.89	2297	1.07	2442	1.26	2578	1.46	2721	1.71																
28.2	12.36	2186	0.97	2335	1.15	2479	1.35	2614	1.55	2742	1.77	2869	2.01														
30.1	13.22	2233	1.04	2379	1.24	2518	1.44	2652	1.65	2777	1.87	2898	2.10	3015	2.33												
32.1	14.08	2281	1.12	2425	1.33	2560	1.54	2690	1.76	2815	1.98	2936	2.21	3049	2.45	3159	2.70	3271	2.97								
34.1	14.96	2331	1.21	2472	1.42	2605	1.64	2731	1.87	2855	2.10	2973	2.34	3087	2.58	3196	2.83	3300	3.09	3402	3.36	3513	3.68				
36.1	15.84	2383	1.31	2523	1.53	2654	1.75	2777	1.98	2896	2.23	3011	2.47	3124	2.72	3232	2.97	3337	3.24	3439	3.51	3536	3.79	3632	4.07	3740	4.44
38.2	16.75	2440	1.43	2573	1.64	2704	1.87	2825	2.11	2941	2.35	3053	2.61	3163	2.87	3269	3.12	3374	3.40	3474	3.67	3572	3.95	3666	4.24	3759	4.54
40.1	17.60	2495	1.55	2626	1.76	2753	2.00	2874	2.24	2988	2.49	3098	2.75	3205	3.02	3310	3.29	3412	3.56	3511	3.84	3609	4.14	3703	4.43	3794	4.73
42.2	18.49			2683	1.90	2805	2.13	2923	2.38	3037	2.64	3147	2.91	3250	3.18	3351	3.46	3451	3.74	3552	4.04	3646	4.32	3740	4.62	3831	4.93
44.2	19.36					2858	2.28	2973	2.53	3087	2.80	3195	3.07	3300	3.35	3400	3.64	3495	3.93	3591	4.23	3685	4.52	3778	4.83	3868	5.14
46.2	20.27					2916	2.45	3027	2.70	3137	2.96	3243	3.24	3347	3.53	3446	3.82	3542	4.12	3634	4.42	3725	4.73	3817	5.04		
48.1	21.10							3083	2.88	3189	3.14	3293	3.42	3396	3.72	3494	4.01	3590	4.32	3683	4.64	3772	4.95	3858	5.27		
50.1	21.98							3138	3.06	3244	3.34	3345	3.61	3445	3.91	3542	4.21	3638	4.53	3730	4.85	3818	5.17				
52.2	22.90									3300	3.55	3400	3.83	3496	4.12	3592	4.43	3686	4.75	3777	5.07	3865	5.40				
54.2	23.75											3455	4.06	3552	4.36	3643	4.65	3735	4.97	3826	5.31						
56.1	24.61											3511	4.29	3606	4.60	3697	4.91	3785	5.21	3875	5.55						
58.1	25.50													3663	4.86	3754	5.18	3841	5.49								
60.1	26.36															3808	5.45	3895	5.78								

※상기 테이블 성능은 토출덕트 연결 상태에서의 결과입니다.

※The table shows the results of the performance of outlet duct connections.

GTF-B12 series

TURBO FAN
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Turbo Fan kits

TURBO FAN
GTF-B12 series

GTF B12-#3SS

Wheel Dia		457mm		Tip Speed = 0.023xRPM										Outlet Dim'				180x300				Outlet Area				0.054m ²	
Capacity (CMM)	Outlet Velocity (m/sec)	120mmAq		150mmAq		180mmAq		210mmAq		240mmAq		270mmAq		300mmAq		330mmAq		360mmAq		390mmAq		420mmAq		450mmAq		480mmAq	
		RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw
33.2	10.24	1869	1.19																								
36.8	11.35	1906	1.30	2086	1.65																						
40.4	12.47	1946	1.42	2123	1.79	2285	2.18																				
44.0	13.58	1993	1.56	2162	1.94	2323	2.34	2472	2.76	2620	3.25																
47.6	14.69	2041	1.70	2205	2.10	2362	2.52	2510	2.95	2648	3.40	2780	3.88														
51.2	15.80	2092	1.85	2254	2.27	2403	2.71	2549	3.16	2687	3.63	2817	4.11	2940	4.61												
54.8	16.91	2145	2.02	2304	2.46	2451	2.91	2590	3.39	2726	3.87	2855	4.36	2977	4.88	3095	5.41	3208	5.96								
58.4	18.03	2201	2.22	2355	2.65	2501	3.13	2637	3.62	2767	4.12	2894	4.63	3016	5.16	3133	5.71	3244	6.26	3353	6.84	3465	7.51				
62.1	19.15	2259	2.43	2408	2.87	2552	3.36	2687	3.87	2813	4.39	2935	4.92	3056	5.47	3171	6.02	3283	6.60	3390	7.18	3494	7.79	3594	8.40		
65.6	20.25			2466	3.12	2603	3.60	2736	4.12	2863	4.67	2981	5.22	3098	5.80	3211	6.36	3321	6.94	3428	7.55	3530	8.15	3630	8.78	3728	9.44
69.2	21.35			2524	3.38	2659	3.88	2787	4.40	2912	4.96	3031	5.53	3144	6.12	3253	6.73	3361	7.31	3467	7.93	3570	8.56	3669	9.20	3764	9.85
72.9	22.49					2716	4.18	2840	4.70	2963	5.27	3080	5.86	3192	6.46	3300	7.08	3403	7.72	3508	8.34	3609	8.98	3707	9.63		
76.5	23.60					2774	4.50	2898	5.05	3015	5.60	3132	6.21	3243	6.83	3348	7.45	3452	8.11	3551	8.78	3650	9.43	3747	10.09		
80.1	24.72							2955	5.41	3070	5.97	3184	6.58	3293	7.21	3399	7.86	3500	8.52	3600	9.21	3694	9.89	3789	10.59		
83.7	25.82							3014	5.79	3127	6.37	3237	6.97	3345	7.62	3449	8.28	3551	8.97	3648	9.65	3743	10.36				
87.3	26.94									3185	6.80	3294	7.42	3397	8.04	3500	8.72	3601	9.42	3699	10.14	3793	10.86				
90.8	28.03											3352	7.89	3454	8.53	3553	9.19	3652	9.90	3749	10.63						
94.4	29.15											3410	8.38	3512	9.05	3610	9.72	3705	10.41	3800	11.15						
98.0	30.24													3570	9.58	3667	10.28	3760	10.97								
101.6	31.37															3725	10.86										

Turbo Fan kits

GTF B12-#3.5SS

Wheel Dia	533mm	Tip Speed = 0.028xRPM												Outlet Dim'				210x350	Outlet Area								0.074m²
Capacity (CMM)	Outlet Velocity (m/sec)	120mmAq		160mmAq		200mmAq		240mmAq		280mmAq		320mmAq		360mmAq		400mmAq		440mmAq		480mmAq		520mmAq		560mmAq		600mmAq	
		RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw
46,9	10,57	1613	1,60																								
52,5	11,83	1651	1,77	1853	2,40																						
58,1	13,09	1693	1,96	1890	2,62	2067	3,33																				
63,7	14,35	1741	2,17	1929	2,86	2104	3,60	2264	4,37																		
69,3	15,61	1790	2,39	1974	3,13	2143	3,89	2302	4,70	2449	5,55																
74,9	16,87	1842	2,65	2022	3,41	2184	4,21	2339	5,04	2486	5,92	2623	6,83	2753	7,79												
80,5	18,13	1897	2,94	2071	3,71	2232	4,55	2380	5,43	2524	6,33	2660	7,26	2789	8,24	2911	9,25										
86,2	19,41	1955	3,27	2122	4,04	2281	4,92	2428	5,83	2564	6,77	2699	7,74	2826	8,73	2947	9,76	3064	10,84	3177	11,96						
91,7	20,66			2178	4,44	2332	5,31	2476	6,25	2611	7,24	2739	8,25	2865	9,27	2985	10,32	3101	11,42	3212	12,54	3319	13,70				
97,3	21,91			2236	4,87	2383	5,74	2525	6,71	2659	7,72	2785	8,77	2906	9,85	3024	10,92	3139	12,04	3249	13,19	3355	14,37	3458	15,59	3558	16,84
103,0	23,19					2439	6,23	2576	7,20	2708	8,24	2833	9,32	2951	10,43	3065	11,56	3178	12,71	3287	13,87	3393	15,09	3495	16,33	3593	17,58
108,5	24,43					2496	6,77	2630	7,75	2759	8,80	2881	9,90	2999	11,05	3110	12,21	3219	13,42	3327	14,62	3431	15,84	3533	17,11		
114,1	25,71							2686	8,35	2809	9,38	2932	10,53	3047	11,69	3158	12,89	3265	14,14	3367	15,39	3471	16,65	3571	17,93		
119,8	26,97							2743	9,00	2865	10,07	2983	11,19	3098	12,40	3208	13,63	3313	14,89	3415	16,19	3513	17,51				
125,3	28,22									2921	10,79	3036	11,92	3148	13,12	3257	14,39	3362	15,69	3463	17,01	3560	18,36				
131,0	29,49									2979	11,56	3092	12,72	3200	13,90	3308	15,20	3411	16,51	3511	17,87						
136,5	30,75											3150	13,59	3257	14,81	3359	16,04	3462	17,40	3561	18,79						
142,2	32,02													3313	15,74	3415	17,02	3513	18,32								
147,8	33,29													3371	16,73	3471	18,04	3568	19,37								
153,3	34,53															3528	19,11										

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※The table shows the results of the performance of outlet duct connections.

GTF-B12 series

TURBO FAN

www.gsfa.co.kr

Turbo Fan kits

GTF B12-#4SS

Wheel Dia		609mm		Tip Speed = 0.031xRPM												Outlet Dim'				Outlet Area												0.096m ²	
Capacity (CMM)	Outlet Velocity (m/sec)	200mmAq		250mmAq		300mmAq		350mmAq		400mmAq		450mmAq		500mmAq		550mmAq		600mmAq		650mmAq		700mmAq		750mmAq		800mmAq							
		RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw
78.4	13.61	1820	3.99																														
87.4	15.17	1862	4.41	2035	5.57																												
96.4	16.73	1904	4.86	2075	6.07	2230	7.35	2376	8.72																								
105.4	18.30	1956	5.34	2119	6.65	2272	7.97	2416	9.38	2551	10.85																						
114.4	19.86	2010	5.88	2166	7.22	2314	8.64	2455	10.07	2589	11.59	2717	13.18																				
123.4	21.42	2065	6.47	2220	7.87	2364	9.36	2500	10.88	2630	12.41	2756	14.04	2875	15.71	2989	17.45																
132.4	22.99	2122	7.13	2272	8.55	2416	10.11	2546	11.69	2673	13.32	2798	15.00	2914	16.68	3028	18.47	3137	20.31	3241	22.18												
141.4	24.55	2183	7.89	2329	9.32	2467	10.90	2598	12.55	2722	14.28	2840	16.01	2956	17.76	3070	19.61	3176	21.44	3280	23.37	3381	25.35	3478	27.37								
150.4	26.11			2388	10.21	2522	11.77	2651	13.48	2774	15.27	2890	17.10	3001	18.95	3112	20.81	3218	22.70	3321	24.67	3421	26.69	3517	28.73	3611	30.84						
159.4	27.67			2450	11.18	2581	12.78	2707	14.51	2826	16.31	2940	18.17	3050	20.11	3154	22.08	3260	24.03	3362	26.04	3461	28.09	3557	30.19	3651	32.36						
168.4	29.23					2640	13.86	2761	15.56	2880	17.43	2994	19.38	3102	21.35	3206	23.39	3305	25.45	3406	27.54	3503	29.62	3599	31.78	3691	33.96						
177.4	30.80					2702	15.05	2823	16.84	2934	18.61	3048	20.64	3154	22.65	3258	24.76	3357	26.89	3453	29.08	3547	31.26	3641	33.44								
186.4	32.36							2883	18.16	2994	20.02	3102	21.96	3208	24.05	3310	26.19	3408	28.37	3504	30.63	3596	32.91	3685	35.22								
195.4	33.92									3055	21.51	3161	23.48	3263	25.53	3364	27.73	3463	30.01	3557	32.29	3648	34.61										
204.4	35.48									3117	23.10	3221	25.13	3322	27.20	3419	29.36	3516	31.67	3609	34.00	3700	36.40										
213.4	37.05											3283	26.89	3381	28.99	3476	31.14	3570	33.42	3663	35.83												
222.4	38.61													3443	30.92	3537	33.14	3628	35.38														
231.4	40.18															3599	35.25	3688	37.53														

Turbo Fan kits

GTF B12-#4.5SS

Wheel Dia		685mm		Tip Speed = 0.036xRPM												Outlet Dim'				Outlet Area												0.122m ²	
Capacity (CMM)	Outlet Velocity (m/sec)	200mmAq		260mmAq		320mmAq		380mmAq		440mmAq		500mmAq		560mmAq		620mmAq		680mmAq		740mmAq		800mmAq		860mmAq		920mmAq							
		RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw
99.1	13.53	1620	4.92																														
110.9	15.14	1655	5.41	1839	7.16																												
122.6	16.75	1695	6.00	1875	7.80	2039	9.75																										
134.5	18.37	1745	6.64	1915	8.55	2075	10.54	2224	12.67																								
146.2	19.98	1792	7.30	1959	9.32	2113	11.41	2261	13.62	2398	15.93	2527	18.35																				
158.0	21.59	1844	8.06	2008	10.17	2157	12.39	2299	14.66	2435	17.04	2561	19.48	2683	22.07																		
169.9	23.21	1898	8.95	2056	11.06	2205	13.39	2341	15.81	2474	18.26	2599	20.77	2719	23.40	2834	26.15	2943	28.96														
181.7	24.82	1954	9.92	2108	12.07	2252	14.44	2388	16.96	2514	19.56	2639	22.18	2757	24.87	2870	27.65	2980	30.57	3084	33.52												
193.4	26.43			2162	13.22	2304	15.64	2436	18.20	2561	20.88	2679	23.67	2796	26.44	2908	29.29	3016	32.24	3120	35.27	3221	38.42	3318	41.62								
205.2	28.04			2219	14.50	2355	16.90	2485	19.53	2610	22.33	2726	25.17	2837	28.12	2948	31.07	3054	34.06	3158	37.18	3257	40.35	3353	43.60	3446	46.92						
217.0	29.65					2410	18.36	2537	20.99	2658	23.82	2775	26.80	2884	29.80	2990	32.94	3094	36.03	3196	39.20	3295	42.44	3390	45.75	3483	49.16						
228.9	31.27					2468	19.97	2591	22.63	2709	25.46	2823	28.48	2933	31.62	3037	34.81	3136	38.05	3236	41.36	3334	44.68	3429	48.07	3521	51.54						
240.6	32.87							2646	24.40	2761	27.24	2874	30.33	2981	33.50	3085	36.79	3184	40.14	3280	43.59	3374	47.06	3467	50.47	3559	54.02						
252.5	34.49							2704	26.34	2816	29.24	2924	32.23	3032	35.55	3134	38.90	3232	42.32	3327	45.84	3419	49.43	3508	53.10	3599	56.71						
264.3	36.10									2874	31.42	2980	34.49	3082	37.66	3184	41.13	3282	44.67	3375	48.22	3467	51.92	3555	55.65								
276.1	37.72											3035	36.83	3136	40.07	3234	43.46	3331	47.08	3424	50.74	3515	54.52										
287.8	39.32											3092	39.33	3192	42.69	3287	46.05	3382	49.65	3474	53.40	3564	57.26										
299.7	40.94													3249	45.45	3343	48.92	3434	52.42	3525	56.20												
311.5	42.55															3400	51.94	3490	55.55	3577	59.20												
323.3	44.16															3457	55.08	3546	58.80														

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※The table shows the results of the performance of outlet duct connections.

GTF-B12 series

TURBO FAN

www.gsfan.co.kr

Turbo Fan kits

TURBO FAN
GTF-B12 series

GTF B12-#5SS

Wheel Dia		762mm		Tip Speed = 0.039xRPM										Outlet Dim'				300x500				Outlet Area				0.150m ²	
Capacity (CMM)	Outlet Velocity (m/sec)	260mmAq		320mmAq		380mmAq		440mmAq		500mmAq		560mmAq		620mmAq		680mmAq		740mmAq		800mmAq		860mmAq		920mmAq		980mmAq	
		RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw
140.5	15.62	1660	8.86																								
156.9	17.43	1699	9.80	1844	12.16	1978	14.70																				
173.2	19.24	1740	10.85	1882	13.30	2013	15.88	2138	18.67																		
189.5	21.05	1787	11.92	1921	14.55	2053	17.28	2175	20.12	2290	23.10																
205.8	22.86	1836	13.12	1969	15.89	2093	18.79	2213	21.71	2327	24.77	2435	27.95	2538	31.25												
222.1	24.67	1886	14.42	2017	17.31	2138	20.31	2253	23.47	2365	26.60	2472	29.87	2574	33.25	2672	36.74	2766	40.33								
238.4	26.48	1940	15.96	2068	18.89	2187	22.00	2300	25.27	2406	28.65	2511	31.98	2612	35.44	2709	39.02	2803	42.73	2892	46.46	2980	50.39				
254.7	28.30	1998	17.71	2119	20.60	2237	23.83	2348	27.19	2452	30.64	2553	34.27	2652	37.85	2747	41.47	2840	45.26	2929	49.11	3016	53.10	3100	57.17	3181	61.30
271.0	30.11			2176	22.65	2288	25.79	2398	29.29	2501	32.85	2600	36.56	2694	40.34	2788	44.20	2879	48.03	2968	52.00	3053	56.02	3136	60.15	3217	64.39
287.3	31.92			2233	24.83	2343	28.09	2448	31.50	2551	35.23	2648	39.01	2742	42.93	2832	46.95	2919	51.00	3007	55.06	3092	59.20	3174	63.40	3254	67.70
303.6	33.73					2399	30.57	2501	34.02	2601	37.73	2698	41.67	2790	45.66	2880	49.82	2965	53.99	3048	58.31	3132	62.59	3213	66.87	3293	71.29
319.9	35.54							2558	36.86	2654	40.53	2748	44.46	2840	48.61	2928	52.83	3013	57.14	3095	61.54	3175	66.06	3254	70.62	3332	75.06
336.2	37.35							2615	39.86	2710	43.69	2800	47.51	2890	51.70	2978	56.08	3062	60.50	3143	64.99	3223	69.65	3299	74.30	3374	79.10
352.5	39.17									2767	47.04	2857	51.06	2943	55.12	3028	59.48	3112	64.06	3192	68.64	3271	73.40	3347	78.18	3421	83.05
368.8	40.98											2913	54.74	2998	58.93	3080	63.17	3162	67.76	3243	72.58	3320	77.36	3395	82.23	3469	87.25
385.1	42.79													3055	63.02	3136	67.40	3214	71.80	3293	76.60	3370	81.55	3445	86.59		
401.4	44.59															3192	71.80	3271	76.46	3346	81.05	3421	85.97	3495	91.10		
417.7	46.41															3250	76.51	3327	81.25	3402	86.04	3474	90.80				
434.0	48.22																	3384	86.30	3458	91.21						

Turbo Fan kits

GTF B12-#5.5SS

Wheel Dia	838mm	Tip Speed = 0.044xRPM												Outlet Dim'		330x550	Outlet Area								0.182m²		
Capacity (CMM)	Outlet Velocity (m/sec)	260mmAq		320mmAq		380mmAq		440mmAq		500mmAq		560mmAq		620mmAq		680mmAq		740mmAq		800mmAq		860mmAq		920mmAq		980mmAq	
		RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw
170.3	15.59	1510	10.53																								
190.0	17.40	1544	11.62	1678	14.48	1799	17.46																				
209.9	19.22	1581	12.85	1711	15.79	1832	18.91	1944	22.18																		
229.6	21.03	1625	14.16	1748	17.32	1866	20.51	1977	23.88	2082	27.42																
249.5	22.85	1670	15.59	1791	18.89	1903	22.33	2013	25.82	2116	29.43	2214	33.20	2308	37.12												
269.2	24.65	1716	17.16	1835	20.59	1946	24.19	2049	27.90	2152	31.66	2249	35.54	2341	39.51	2431	43.71	2516	47.95								
289.1	26.47	1766	19.02	1881	22.46	1990	26.19	2092	30.05	2188	34.04	2284	38.03	2376	42.15	2464	46.39	2549	50.77	2631	55.26	2711	59.92				
308.9	28.28	1818	21.09	1929	24.56	2035	28.34	2136	32.34	2232	36.50	2322	40.74	2412	45.01	2499	49.34	2584	53.87	2665	58.44	2744	63.18	2820	67.99	2894	72.91
328.7	30.10			1980	26.97	2082	30.70	2182	34.87	2276	39.12	2366	43.52	2452	48.05	2536	52.58	2619	57.15	2700	61.87	2778	66.68	2853	71.56	2927	76.62
348.5	31.91			2033	29.60	2133	33.48	2228	37.52	2321	41.92	2410	46.46	2495	51.10	2577	55.89	2656	60.73	2736	65.54	2813	70.44	2888	75.46	2961	80.60
368.2	33.72					2184	36.44	2277	40.56	2367	44.92	2455	49.60	2539	54.37	2620	59.26	2699	64.33	2774	69.43	2849	74.47	2924	79.64	2996	84.85
388.0	35.53							2329	43.96	2416	48.31	2501	52.95	2585	57.92	2665	62.93	2742	68.05	2817	73.31	2889	78.63	2961	84.10	3032	89.39
407.9	37.35							2381	47.54	2467	52.07	2550	56.71	2631	61.63	2710	66.78	2787	72.08	2861	77.44	2933	82.93	3003	88.52	3071	94.22
427.6	39.16									2519	56.07	2601	60.89	2679	65.70	2756	70.85	2832	76.28	2906	81.83	2977	87.42	3046	93.10	3114	98.96
447.4	40.97											2653	65.32	2730	70.31	2804	75.32	2879	80.81	2952	86.49	3022	92.18	3091	98.05	3158	104.0
467.3	42.79													2782	75.19	2856	80.43	2927	85.69	2998	91.32	3068	97.22	3136	103.2		
487.1	44.60															2907	85.69	2978	91.17	3046	96.63	3114	102.5	3182	108.6		
506.8	46.41															2959	91.25	3029	96.88	3097	102.6	3163	108.3				
526.6	48.22																	3082	103.0	3149	108.8						

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※The table shows the results of the performance of outlet duct connections.

GTF-B12 series

TURBO FAN
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Turbo Fan kits

GTF B12-#6SS

Wheel Dia		914mm		Tip Speed = 0.048xRPM												Outlet Dim'				360x600				Outlet Area				0.216m²	
Capacity (CMM)	Outlet Velocity (m/sec)	260mmAq		320mmAq		380mmAq		440mmAq		500mmAq		560mmAq		620mmAq		680mmAq		740mmAq		800mmAq		860mmAq		920mmAq		980mmAq			
		RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw		
203.7	15.72	1386	12.49																										
228.0	17.59	1418	13.81	1540	17.17	1651	20.70																						
252.2	19.46	1455	15.35	1572	18.80	1683	22.50	1786	26.38																				
276.4	21.32	1496	16.94	1607	20.65	1716	24.49	1817	28.47	1914	32.70	2004	37.01																
300.6	23.19	1538	18.69	1648	22.57	1751	26.71	1851	30.84	1946	35.16	2036	39.64	2121	44.24														
324.8	25.06	1581	20.60	1691	24.72	1792	28.98	1887	33.44	1979	37.85	2068	42.46	2153	47.22	2234	52.10	2313	57.21										
349.0	26.93	1630	22.97	1735	27.05	1834	31.45	1927	36.02	2015	40.77	2102	45.58	2186	50.46	2267	55.52	2344	60.66	2419	65.99	2492	71.49						
373.2	28.80	1679	25.51	1780	29.65	1877	34.14	1969	38.88	2056	43.78	2139	48.85	2220	53.97	2300	59.15	2377	64.47	2451	69.89	2523	75.48	2593	81.22	2661	87.08		
397.3	30.66			1828	32.61	1922	37.10	2012	41.96	2098	47.03	2180	52.24	2258	57.57	2334	63.07	2411	68.57	2484	74.10	2555	79.78	2625	85.69	2692	91.62		
421.6	32.53					1969	40.49	2055	45.21	2141	50.52	2222	55.90	2300	61.44	2375	67.13	2446	72.86	2519	78.70	2589	84.49	2658	90.49	2724	96.51		
445.8	34.40					2018	44.18	2104	49.18	2185	54.25	2265	59.81	2342	65.50	2416	71.33	2487	77.25	2556	83.35	2624	89.54	2692	95.63	2758	101.8		
469.9	36.26							2152	53.31	2232	58.56	2309	63.98	2385	69.85	2458	75.82	2529	81.96	2597	88.16	2663	94.51	2728	101.1	2792	107.4		
494.2	38.14									2280	63.19	2356	68.76	2429	74.47	2501	80.61	2571	86.89	2639	93.31	2704	99.76	2768	106.4	2830	113.2		
518.4	40.00											2404	73.92	2475	79.66	2545	85.69	2614	92.13	2681	98.69	2747	105.5	2810	112.2	2871	119.1		
542.6	41.87											2453	79.40	2524	85.43	2592	91.48	2658	97.68	2725	104.5	2789	111.3	2852	118.3	2913	125.3		
566.8	43.73													2573	91.46	2640	97.71	2705	104.0	2768	110.4	2832	117.5	2895	124.7	2955	131.9		
591.0	45.60															2689	104.3	2753	110.8	2816	117.4	2876	124.0	2938	131.4	2998	138.8		
615.2	47.47																	2802	118.0	2864	124.8	2924	131.6	2983	138.6				
639.4	49.33																			2913	132.5	2973	139.6						

Turbo Fan kits

GTF B12-#6.5SS

Wheel Dia	990mm	Tip Speed = 0.052xRPM												Outlet Dim'				390x650				Outlet Area				0.254m²	
Capacity (CMM)	Outlet Velocity (m/sec)	260mmAq		320mmAq		380mmAq		440mmAq		500mmAq		560mmAq		620mmAq		680mmAq		740mmAq		800mmAq		860mmAq		920mmAq		980mmAq	
		RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw
239.9	15.74	1281	14.71																								
268.7	17.63	1312	16.33	1424	20.26	1527	24.44																				
297.5	19.52	1346	18.14	1454	22.21	1556	26.55	1650	31.06																		
326.3	21.41	1384	20.02	1487	24.42	1587	28.94	1680	33.60	1768	38.49	1853	43.69														
355.1	23.30	1423	22.10	1526	26.75	1620	31.57	1711	36.40	1799	41.50	1882	46.77	1961	52.22	2037	57.87										
383.9	25.19	1465	24.47	1565	29.25	1658	34.26	1745	39.48	1830	44.73	1913	50.21	1991	55.79	2066	61.56	2138	67.50	2208	73.65						
412.7	27.08	1510	27.28	1606	32.03	1698	37.27	1784	42.67	1865	48.26	1944	53.90	2022	59.69	2096	65.58	2168	71.71	2237	77.97	2304	84.40	2369	91.01		
441.5	28.97			1649	35.21	1738	40.46	1823	46.08	1903	51.83	1980	57.84	2054	63.91	2128	70.02	2198	76.19	2267	82.65	2333	89.19	2398	95.98	2460	102.8
470.3	30.86			1695	38.83	1780	44.04	1863	49.75	1943	55.78	2018	61.88	2091	68.26	2160	74.72	2230	81.13	2298	87.70	2364	94.45	2428	101.3	2490	108.4
499.1	32.75					1826	48.24	1905	53.80	1983	59.94	2058	66.31	2129	72.77	2198	79.45	2265	86.37	2330	93.15	2395	100.0	2459	107.1	2520	114.2
527.9	34.64					1872	52.68	1950	58.51	2024	64.41	2098	70.98	2169	77.71	2237	84.56	2303	91.60	2366	98.71	2428	106.1	2491	113.3	2551	120.5
556.7	36.53							1995	63.48	2069	69.71	2139	75.97	2209	82.89	2277	90.01	2342	97.21	2405	104.6	2466	112.1	2525	119.7	2584	127.4
585.5	38.42									2114	75.28	2184	81.86	2250	88.42	2317	95.73	2382	103.2	2444	110.7	2505	118.4	2563	126.2	2621	134.2
614.4	40.31											2229	88.06	2295	94.92	2358	101.8	2422	109.5	2484	117.2	2544	125.1	2602	133.1	2659	141.3
643.3	42.21											2276	94.78	2340	101.8	2403	109.0	2463	116.1	2525	124.2	2584	132.2	2642	140.4	2698	148.7
671.9	44.09													2386	109.0	2448	116.5	2508	123.9	2566	131.5	2625	139.7	2682	148.1	2738	156.7
700.8	45.98															2494	124.4	2554	132.2	2611	139.9	2667	147.8	2723	156.2	2779	165.1
729.5	47.87																	2600	140.8	2657	148.9	2712	157.0	2766	165.1		
758.3	49.76																			2703	158.3	2758	166.6				

※상기 테이블 성능은 토출덕트 연결 상태에서의 결과입니다.

※The table shows the results of the performance of outlet duct connections.

GTF-B12 series

TURBO FAN
www.gsfan.co.kr

Turbo Fan kits

TURBO FAN
GTF-B12 series

GTF B12-#7SS

Wheel Dia		1066mm		Tip Speed = 0.056xRPM										Outlet Dim'				420x700				Outlet Area				0.294m²	
Capacity (CMM)	Outlet Velocity (m/sec)	260mmAq		320mmAq		380mmAq		440mmAq		500mmAq		560mmAq		620mmAq		680mmAq		740mmAq		800mmAq		860mmAq		920mmAq		980mmAq	
		RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw
274.9	15.58	1186	16.85																								
306.7	17.39	1213	18.59	1318	23.16	1413	27.94																				
338.5	19.19	1242	20.57	1344	25.26	1440	30.30	1528	35.53																		
370.3	20.99	1277	22.68	1373	27.69	1466	32.81	1554	38.26	1636	43.90																
402.1	22.79	1312	24.95	1406	30.16	1495	35.71	1581	41.26	1663	47.13	1740	53.16	1814	59.47												
433.9	24.60	1347	27.39	1441	32.90	1528	38.65	1610	44.63	1690	50.59	1766	56.77	1839	63.20	1909	69.84	1977	76.76								
465.8	26.40	1386	30.34	1476	35.82	1563	41.87	1643	48.04	1719	54.45	1794	60.79	1866	67.36	1936	74.23	2002	81.15	2067	88.41	2129	95.77				
497.5	28.20	1426	33.58	1514	39.17	1598	45.28	1677	51.66	1752	58.27	1824	65.17	1894	71.88	1963	78.88	2029	86.03	2093	93.40	2155	101.0	2215	108.7	2273	116.6
529.3	30.01			1554	43.01	1634	48.98	1712	55.58	1787	62.48	1857	69.45	1925	76.73	1991	83.92	2057	91.31	2120	98.79	2182	106.6	2241	114.4	2299	122.5
561.1	31.81			1594	47.08	1673	53.31	1748	59.80	1822	66.92	1892	74.17	1959	81.62	2023	89.23	2086	97.00	2148	104.6	2209	112.5	2268	120.6	2325	128.7
592.9	33.61					1713	58.00	1787	64.67	1858	71.69	1927	79.15	1993	86.77	2057	94.64	2118	102.6	2178	110.9	2237	118.9	2296	127.2	2353	135.6
624.7	35.41							1827	70.00	1895	76.91	1963	84.48	2029	92.41	2092	100.5	2152	108.6	2211	117.0	2268	125.6	2325	134.2	2381	142.7
656.5	37.22							1867	75.61	1935	82.89	2000	90.25	2064	98.18	2127	106.5	2187	114.9	2245	123.5	2302	132.3	2357	141.3	2410	150.3
688.3	39.02									1976	89.28	2040	96.90	2101	104.5	2163	113.0	2223	121.7	2280	130.4	2336	139.4	2391	148.6	2444	157.9
720.1	40.82											2080	103.9	2141	111.9	2200	120.0	2258	128.7	2316	137.8	2372	147.1	2426	156.4	2478	165.8
751.9	42.62													2182	119.7	2240	128.0	2296	136.4	2352	145.5	2407	154.9	2461	164.6		
783.7	44.43													2222	127.6	2280	136.4	2335	145.0	2389	153.8	2443	163.2	2496	173.0		
815.7	46.24															2321	145.2	2376	154.2	2429	163.2	2481	172.4				
847.3	48.03																	2416	163.7	2469	173.0						

Turbo Fan kits

GTF B12-#8SS

Wheel Dia		1210mm		Tip Speed = 0.063xRPM										Outlet Dim'				480x800				Outlet Area				0.384m²	
Capacity (CMM)	Outlet Velocity (m/sec)	260mmAq		320mmAq		380mmAq		440mmAq		500mmAq		560mmAq		620mmAq		680mmAq		740mmAq		800mmAq		860mmAq		920mmAq		980mmAq	
		RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw	RPM	Bkw
360.1	15.63	1038	22.07																								
402.0	17.45	1062	24.39	1153	30.31	1237	36.63																				
444.0	19.27	1087	26.95	1176	33.08	1259	39.60	1337	46.54																		
485.9	21.09	1117	29.67	1202	36.33	1283	43.01	1360	50.14	1432	57.55																
527.7	22.90	1148	32.68	1231	39.57	1309	46.86	1384	54.13	1455	61.73	1522	69.58	1587	77.86												
569.6	24.72	1180	35.99	1262	43.20	1338	50.73	1409	58.52	1479	66.32	1546	74.47	1610	82.91	1671	91.58	1730	100.6								
611.9	26.56	1214	39.86	1293	47.07	1368	54.88	1438	62.96	1505	71.45	1571	79.83	1634	88.44	1694	97.25	1753	106.5	1809	115.9	1864	125.7				
653.5	28.36	1250	44.21	1326	51.46	1399	59.41	1469	67.87	1534	76.45	1597	85.50	1658	94.31	1718	103.4	1776	112.8	1832	122.5	1886	132.4	1939	142.6	1990	153.0
695.4	30.18			1362	56.61	1431	64.32	1500	73.07	1565	82.04	1626	91.13	1686	100.8	1744	110.3	1801	119.9	1856	129.7	1910	139.8	1962	150.1	2012	160.6
737.5	32.01			1398	62.10	1466	70.14	1532	78.69	1596	87.93	1657	97.41	1715	107.1	1771	117.0	1826	127.3	1881	137.4	1934	147.7	1985	158.1	2036	169.1
779.1	33.82					1502	76.45	1566	85.11	1628	94.28	1688	104.0	1746	114.1	1801	124.2	1855	134.8	1907	145.5	1959	156.2	2010	166.9	2060	177.9
821.1	35.64							1601	92.13	1661	101.3	1720	111.1	1777	121.4	1832	131.9	1885	142.6	1937	153.8	1986	164.8	2035	176.1	2085	187.5
862.9	37.45							1637	99.67	1696	109.2	1753	118.9	1809	129.2	1863	140.0	1916	151.1	1967	162.4	2016	173.7	2064	185.4	2111	197.4
904.9	39.27									1732	117.6	1788	127.6	1842	137.8	1895	148.6	1947	159.9	1998	171.6	2047	183.3	2094	195.1	2141	207.5
946.8	41.09											1824	137.0	1877	147.4	1928	158.0	1979	169.3	2029	181.2	2078	193.3	2125	205.5	2171	218.0
988.6	42.91													1912	157.5	1963	168.5	2012	179.6	2061	191.4	2109	203.7	2156	216.3		
1030.5	44.73															1999	179.8	2047	191.0	2094	202.6	2141	214.8	2188	227.8		
1072.4	46.55															2034	191.2	2083	203.3	2129	215.0	2175	227.2				
1114.6	48.38																	2119	216.0	2165	228.2						

※상기 테이블 성능은 토출덕트 연결 상태에서의 결과입니다.

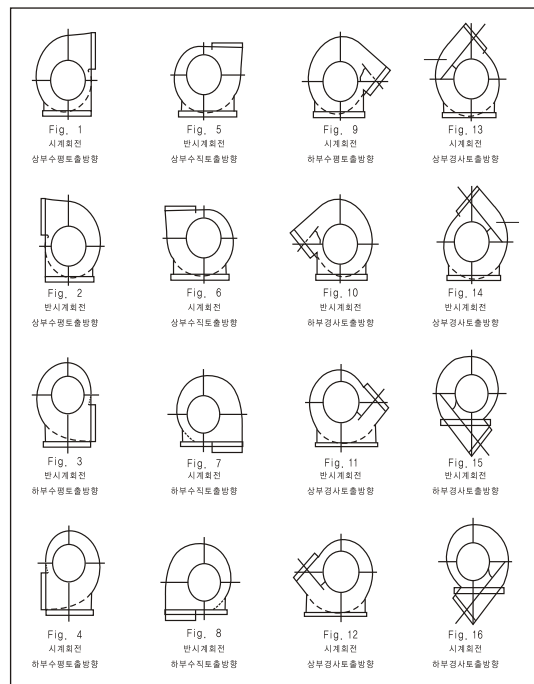
※The table shows the results of the performance of outlet duct connections.

송풍기 견적 및 발주 사양서

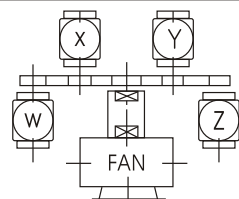
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종 류:	온 도: MAX at °C		☆캔바스	: 유	토회출 흡입무
모 델: G	습 도: %		☆방 진	: 유	무
품 량: m³/min at °C	취급기체:		☆		
풍 압: mmAq at °C	기체성질:		구 비 서 류	입회검사	: 유
회 전 수: r.p.m	비 중 량: kg/m³	시험성적서	: 유	무	
토 출 구: mm× mm	재 질	CASING:	바란싱성적서	: 유	무
흡 입 구: Ø mm		IMPELLER:	외형치수검사서:	유	무
흡입방식: 편흡입 양흡입		SHAFT:			
전 동 기: TYPE, KW- P- r.p.m- , Ø HZ- VOLT, MAKER:			수주측부담 ☐		
도 장: 제조회사기본 지정:			발주측부담 ☐		
비 고: 송풍기 모델기입"예"					
GTF- # 4.5-G6-Z					
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송풍기의 구동방법

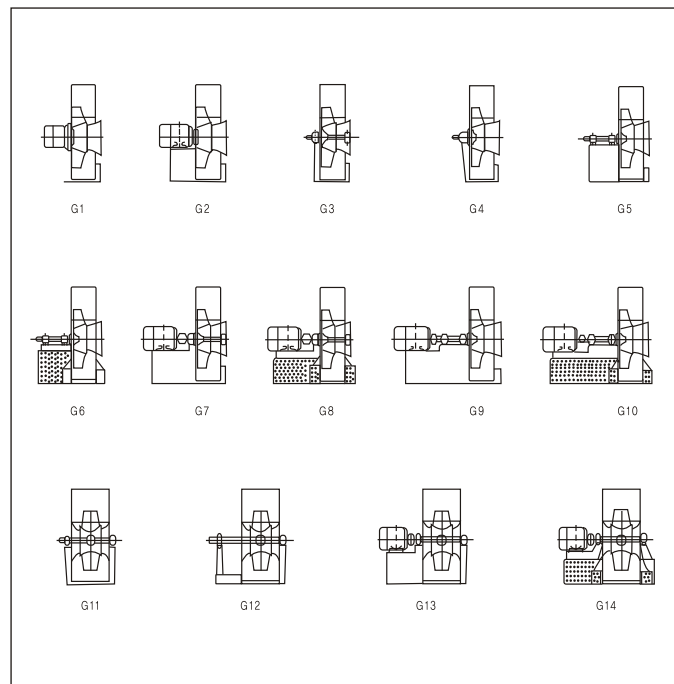
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405-818 인천광역시 남동구 청능대로 410번길 63 (고잔동)
(구주소: 인천광역시 남동구 고잔동 662-10 남동공단 98BL 11LT)
TEL: (032)811-9500(代)~2 FAX: (032)811-9503, 811-9545

Gumsung PoongRyuk Co.,Ltd.

#63, 410 Cheoung Neung Dae Ro, Namdong-Gu, Incheon, 405-818, Republic Of Korea.
(98BL 11LT, Namdong Industrial Estate, 662-10 Gojandong)
TEL: 82-32-811-9500~2 FAX: 82-32-811-9503, 811-9545

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