

DIRECT GAS FIRED AIR REPLACEMENT UNITS

Forward Curved Fan Chart 1 - Table 3

Total External Static Pressure in Inches of Water Column

MODEL	CFM Std. Air	Outlet Velocity FPM	.50" SP		.75" SP		1.00" SP		1.25" SP		1.50" SP		1.75" SP		2.00" SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
110	1000	1234	1025	0.25	1117	0.33	1255	0.33	1360	0.50	1450	0.50	1535	0.50	1621	0.75
	1500	1851	1140	0.33	1138	0.50	1233	0.50	1320	0.75	1400	0.75	1490	1.00	1565	1.00
	2000	2469	1125	0.75	1217	0.75	1285	1.00	1378	1.00	1460	1.00	1517	1.00	1586	1.50
	2500	3086	1218	1.00	1300	1.00	1362	1.25	1438	1.5	1512	1.5	1580	1.5	1637	2.0
112	3000	2083	900	1.2	981	1.3	1070	1.4	1145	1.6	1171	1.7	1182	1.8	1287	1.9
	3500	2430	945	1.4	1055	1.6	1094	1.8	1160	1.9	1225	2.2	1281	2.4	1344	2.6
	4000	2777	1000	1.9	1070	2.1	1129	2.3	1199	2.5	1257	2.6	1311	2.8	1361	3.1
	4500	3125	1055	2.5	1124	2.7	1187	2.9	1245	3.1	1312	3.3	1346	3.5	1401	3.7
	5000	3472	1112	3.1	1174	3.4	1224	3.6	1269	3.9	1137	4.1	1379	4.3	1403	4.7
115	5000	2487	780	1.3	647	2.2	896	2.4	945	2.8	1001	2.9	1050	3.3	1101	3.6
	5500	2736	792	1.9	882	2.7	921	2.9	970	3.2	1029	3.5	1071	3.8	1074	4.1
	6000	2985	855	2.8	901	3.2	940	3.5	992	3.8	1037	4.1	1093	4.4	1161	4.6
	6500	3234	890	3.5	924	3.7	985	4.1	1020	4.2	1071	4.7	1095	4.8	1150	5.4
118	6000	2090	641	2.1	691	2.5	748	2.8	801	3.3	850	3.6	903	4.0	949	4.2
	6500	2264	654	2.7	710	2.9	760	3.2	811	3.4	859	4.3	915	4.3	953	4.8
	7000	2439	666	2.9	724	3.3	780	3.8	820	4.2	873	4.7	922	4.9	961	5.2
	7500	2613	684	3.4	751	3.8	792	4.2	835	4.6	883	5.1	926	5.5	967	5.9
	8000	2787	700	3.9	764	4.5	810	4.7	855	5.4	893	5.7	939	6.1	975	6.4
	8500	2961	714	4.3	761	4.8	816	5.2	862	6.0	909	6.5	944	6.9	988	7.1
	9000	3135	718	4.6	791	5.5	833	5.8	879	6.4	930	6.8	961	7.4	1005	7.8
	9500	3310	750	5.5	786	6.1	845	6.5	893	6.9	943	7.3	971	7.9	1012	8.5
	10000	3484	785	6.3	829	6.7	865	7.0	921	7.9	961	8.4	990	8.8	1040	9.6
120	9000	2124	570	3.0	611	3.5	651	4.1	701	4.6	751	5.1	792	5.5	815	6.3
	9500	2261	575	3.4	620	3.9	567	4.6	708	4.9	760	5.5	797	6.1	827	6.6
	10000	2381	581	3.7	628	4.3	681	4.8	712	5.3	765	5.8	800	6.4	830	7.2
	11000	2619	595	4.8	671	5.4	693	5.8	738	6.4	772	7.2	812	7.5	840	7.8
	12000	2857	644	5.3	694	6.6	723	7.1	762	7.5	790	8.2	830	8.8	855	9.4
	13000	3095	675	5.9	705	7.4	741	8.1	780	9.1	815	9.5	845	10.1	871	10.4
	14000	3333	709	8.7	741	9.5	781	10.1	810	10.3	831	10.6	879	11.3	895	12.2
122	12000	2353	555	5.2	589	5.5	624	6.5	673	7.1	704	7.6	746	8.4	778	8.8
	13000	2549	580	6.0	611	6.7	650	7.3	689	7.9	751	8.7	768	9.4	785	9.9
	14000	2745	593	7.2	619	7.8	660	8.4	701	9.2	740	9.9	759	10.3	800	11.1
	15000	2941	609	8.7	655	9.0	681	9.8	711	10.2	750	10.6	792	11.3	815	12.2
	16000	3137	628	9.9	671	10.3	701	11.1	729	12.1	770	12.8	793	13.2	828	14.2
	17000	3333	270	11.2	697	12.0	721	13.1	742	13.9	780	14.3	809	15.6	838	16.2
125	16000	2385	471	6.3	500	7.2	531	7.7	568	8.7	595	9.2	631	10.1	659	11.1
	17000	2534	488	7.3	503	7.8	540	8.5	572	9.7	602	10.2	635	11.0	662	12.1
	18000	2682	491	8.1	522	8.9	555	9.8	585	10.9	609	11.9	639	12.5	666	13.2
	19000	2832	500	9.3	526	10.0	560	10.9	583	11.8	618	12.9	653	13.5	675	14.4
	20000	2981	525	10.3	541	11.2	588	12.2	600	13.2	627	14.0	663	15.0	684	16.0
	22000	3279	540	12.6	563	13.7	600	15.0	617	16.2	649	17.1	672	17.9	700	18.6
	24000	3576	565	15.3	597	17.2	613	18.0	643	18.9	666	19.7	690	21.0	713	21.8

Notes:

1. The capacities shown include the internal resistance of the basic burner/fan unit. Resistance of ductwork, inlet cowls, filter boxes, dampers, etc. must be calculated and totalled to determine the total external static pressure.
2. For higher external static pressures consult head office.
3. Performance is based on standard air (density .075 lb. per cubic foot, 70° F, 29.92" hg. bar). Horsepower data includes drive losses.