

## Fan Chart 1

TDM MODEL	VOLUME FLOW CFM	TOTAL EXTERNAL STATIC PRESSURE IN INCHES OF WATER COLUMN											
		0.25		0.5		0.75		1.0		1.25		1.5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
<b>25</b>	2315	575	0.5	700	0.6	798	0.8	890	0.9	980	1.1	1060	1.2
	2437	580	0.5	700	0.6	800	0.8	895	0.9	980	1.2	1060	1.3
	2572	605	0.6	715	0.7	810	0.9	905	1.0	985	1.2	1065	1.3
	2723	620	0.6	727	0.8	822	0.9	914	1.1	989	1.3	1070	1.4
	2894	640	0.7	742	0.8	841	1.0	923	1.2	1000	1.3	1081	1.5
<b>35</b>	3241	635	0.6	744	0.8	835	1.0	930	1.2	1020	1.4	1100	1.6
	3411	658	0.6	770	0.8	850	1.0	950	1.3	1035	1.5	1115	1.7
	3600	690	0.8	795	1.0	880	1.1	970	1.4	1055	1.6	1133	1.9
	3813	736	0.9	825	1.1	909	1.3	1000	1.6	1073	1.8	1150	2.0
	4051	755	1.0	850	1.3	927	1.5	1017	1.7	1087	2.0	1162	2.2
<b>40</b>	3704	630	0.7	750	0.9	850	1.2	950	1.4	1050	1.7	1140	1.9
	3899	650	0.8	765	1.0	860	1.3	967	1.5	1060	1.8	1150	2.0
	4115	690	0.9	795	1.2	880	1.4	988	1.6	1075	1.9	1150	2.2
	4357	710	1.0	810	1.2	900	1.5	1000	1.7	1083	2.0	1163	2.4
	4630	735	1.2	835	1.4	920	1.7	1014	2.0	1100	2.3	1167	2.6
<b>50</b>	4630	735	1.2	835	1.4	920	1.7	1014	2.0	1100	2.3	1167	2.6
	4873	755	1.3	850	1.5	935	1.8	1027	2.1	1100	2.5	1175	2.7
	5144	805	1.5	882	1.8	975	2.0	1050	2.4	1135	2.7	1200	3.0
	5447	842	1.8	920	2.0	1010	2.4	1083	2.8	1155	2.9	1220	3.4
	5787	882	2.0	968	2.4	1042	2.7	1114	3.0	1187	3.4	1246	3.8
<b>55</b>	5093	800	1.5	883	1.8	977	2.0	1054	2.4	1120	2.7	1200	3.0
	5361	825	1.6	905	1.9	1000	2.3	1058	2.6	1137	3.0	1208	3.3
	5658	842	1.9	930	2.2	1009	2.5	1084	2.9	1155	3.2	1220	3.5
	5991	883	2.1	965	2.5	1041	2.8	1109	3.2	1187	3.6	1250	3.9
	6366	940	2.6	1017	2.9	1100	3.3	1160	3.7	1225	3.9	1290	4.4
<b>65</b>	6019	623	1.4	711	1.8	792	2.3	864	2.6	928	3.1	1000	3.5
	6335	650	1.6	729	2.1	800	2.4	871	2.9	939	3.3	1000	3.8
	6687	692	1.9	754	2.3	823	2.7	900	3.2	958	3.7	1020	4.0
	7081	714	2.2	792	2.6	858	3.0	914	3.6	977	4.1	1036	4.5
	7523	750	2.6	810	3.0	884	3.5	940	4.0	1000	4.4	1100	5.7
<b>75</b>	6944	710	2.1	785	2.6	854	3.0	920	3.2	979	3.8	1040	4.4
	7310	736	2.5	800	2.9	864	3.3	926	3.8	987	4.2	1053	4.5
	7715	775	2.9	843	3.3	912	3.8	960	4.2	1020	4.9	1073	4.7
	8170	800	3.3	860	3.8	931	4.2	976	4.4	1033	5.2	1080	5.8
	8681	838	3.5	912	4.3	959	4.6	1017	4.5	1066	6.0	1117	6.5
<b>85</b>	7870	671	2.9	732	3.5	783	4.2	856	5.0	917	5.6	961	6.3
	8285	705	3.4	770	4.0	820	4.7	890	5.6	950	6.3	995	7.1
	8785	755	4.2	805	4.9	870	5.6	920	6.5	970	7.3	1020	8.3
	9295	790	4.9	840	5.6	895	6.3	950	7.3	990	8.1	1050	8.9
	9838	820	5.7	880	6.5	940	7.3	980	8.1	1030	9.1	1070	9.9
<b>100</b>	9259	770	4.7	830	5.4	890	6.1	940	7.1	990	7.8	1040	8.9
	9747	800	5.4	860	5.9	910	6.9	970	7.7	1005	8.7	1060	9.5
	10288	830	5.9	890	6.7	940	7.5	990	8.5	1040	9.5	1080	10.1
	10893	890	7.1	930	7.9	980	8.9	1020	9.7	1070	10.5	1100	11.6
	11574	930	8.5	970	9.2	1010	10.0	1060	11.0	1100	11.7	1140	13.1

### 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.

## Fan Chart 2

TDM MODEL	VOLUME FLOW CFM	TOTAL EXTERNAL STATIC PRESSURE IN INCHES OF WATER COLUMN											
		0.25		0.5		0.75		1.0		1.25		1.5	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
<b>125</b>	11574	620	3.8	690	4.3	730	5.1	795	5.8	840	6.7	890	7.5
	12183	650	4.2	710	5.0	760	5.7	815	6.5	870	7.4	910	8.2
	12860	680	4.7	740	5.5	790	6.3	830	7.2	890	8.1	930	8.9
	13616	700	5.6	760	6.3	810	7.2	860	8.2	910	9.0	950	9.7
	14467	750	6.8	800	7.8	850	8.7	900	9.5	940	9.9	990	10.5
<b>150</b>	13890	710	6.1	760	6.8	820	7.7	870	8.4	915	9.4	960	10.2
	14620	750	6.9	800	7.7	850	8.7	900	9.4	940	10.4	985	11.4
	15432	790	8.0	830	8.8	880	9.7	930	10.8	970	11.5	1010	12.6
	16340	820	9.4	870	10.3	920	11.4	960	12.4	1000	13.2	1040	14.2
	17361	870	11.5	920	12.4	960	13.5	1000	14.1	1030	15.2	1070	16.3
<b>175</b>	16204	810	8.9	860	10.0	950	10.8	950	12.0	990	12.8	1030	13.6
	17057	840	10.3	890	11.4	930	12.3	980	13.1	1010	14.1	1050	14.9
	18004	900	12.1	930	13.0	970	14.0	1010	14.9	1050	16.3	1070	17.1
	19063	940	14.1	980	14.8	1015	15.8	1050	17.3	1090	18.5	1120	19.8
	20254	1000	17.0	1020	18.2	1070	19.4	1105	20.4	1130	22.0	1160	23.3
<b>200</b>	18518	650	7.5	701	8.6	775	9.8	810	10.9	870	12.3	915	13.3
	19493	690	8.6	740	9.9	800	10.6	850	12.6	900	14.0	930	14.8
	20576	725	10.5	775	11.6	828	12.9	876	14.0	926	15.1	964	16.6
	21786	766	12.4	823	13.7	861	14.7	914	16.3	953	17.4	990	18.6
	23148	810	14.2	860	15.7	900	17.0	940	18.2	985	19.6	1020	21.1
<b>250</b>	23148	810	14.2	860	15.7	900	17.0	940	18.2	985	19.6	1020	21.1
	24366	840	16.5	890	17.9	920	19.3	970	20.5	1010	21.9	1040	23.3
	25720	890	18.9	930	20.5	970	21.8	1010	23.2	1040	24.9	1080	26.6
	27723	940	22.3	970	24.2	1015	25.7	1055	27.3	1090	28.9	1120	30.5
	28935	1000	27.0	1025	28.1	1070	29.9	1100	32.1	1130	34.0	1160	35.7
<b>275</b>	25462	590	9.5	625	10.1	680	12.6	725	15.0	760	15.8	800	17.4
	26803	610	10.7	650	12.6	700	14.2	740	15.8	780	17.3	820	18.9
	28292	640	12.6	680	14.5	720	15.8	775	18.9	800	20.0	840	21.1
	29956	675	15.3	715	17.1	750	18.9	800	20.5	830	22.1	865	23.7
	31828	710	18.3	750	20.6	780	22.1	825	23.7	850	25.3	875	26.2
<b>300</b>	27778	600	13.2	650	14.7	690	16.9	730	18.8	770	21.2	820	23.0
	29240	620	14.3	670	16.7	710	18.8	760	20.6	790	23.0	830	25.4
	30864	660	17.6	695	19.7	730	21.8	780	23.6	815	25.8	860	27.6
	32680	695	20.3	720	22.4	770	24.5	800	26.6	840	28.1	885	30.3
	34722	730	24.2	760	26.2	800	27.8	835	30.2	870	32.1	900	34.1
<b>350</b>	32407	680	19.3	715	21.8	750	24.1	795	25.9	830	27.8	870	29.8
	34113	705	22.4	740	24.3	780	26.6	825	28.5	850	30.3	890	32.3
	36008	740	26.3	780	28.2	830	30.2	850	32.3	870	34.6	910	37.0
	38126	780	30.1	820	32.2	850	34.6	880	37.0	915	39.3	940	41.7
	40509	820	36.2	860	38.6	890	40.9	930	43.2	950	44.9	990	48.6
<b>400</b>	37037	770	28.8	810	30.8	840	32.9	870	35.1	900	36.9	940	37.7
	38987	800	32.2	830	34.6	860	37.0	900	36.7	920	41.2	960	42.9
	41152	830	37.8	860	40.1	900	42.5	925	44.2	950	46.5	980	49.3
	43573	870	43.3	910	46.0	930	48.3	960	51.5	980	53.5	1020	56.7
	46297	920	51.8	950	55.1	970	57.6	1008	59.8	1020	63.7	1050	65.9

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