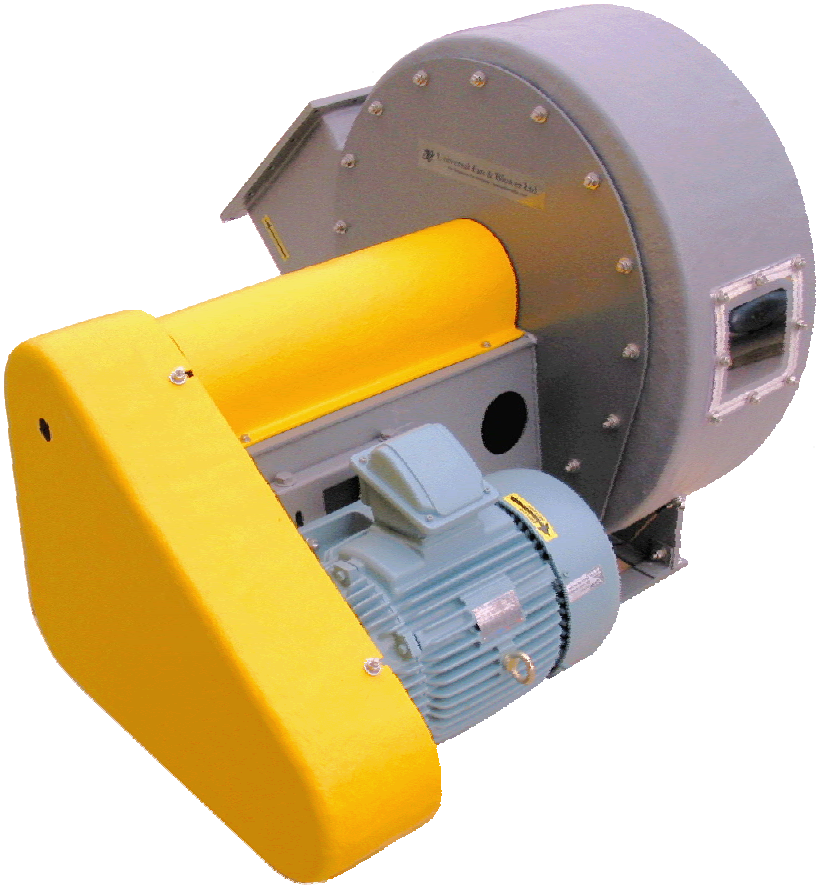
Universal Fan & Blower Ltd.

The Composite Fan Company

PRINT-004-MI
October 2005

Model FRBX
FRP Composite Fans
Air Tables

FRP Composite Fans



Universal Fan & Blower Ltd. certifies that the FRBX type fans shown herein are licensed to bear the AMCA seal.

The ratings are based upon tests and procedures performed in accordance with AMCA publication 211 and comply with the requirements of the AMCA certified ratings program.

FRBX Radial Bladed Centrifugal Fan

- Fans to be FRP composite construction radial blade centrifugal model **FRBX** as manufactured by **Universal Fan & Blower Ltd.** and shall be fabricated in accordance with ASTM Standard Specification D4167-97 (reapproved 2002) for Fiber Reinforced Plastic Fans & Blowers and CGSB 41-GP-22 Standard for Process Equipment.

- The fan housing shall be of solid FRP composite one-piece construction (no center flange), molded using corrosion grade resins. Glass veil will be used on all air stream surfaces giving a resin rich liner for optimum chemical resistance. Fasteners shall be 316ss and where exposed to the fan air stream they will be fully encapsulated within the FRP laminate to achieve maximum torque capability with no deviation of the air stream surfaces. The housing shall be supplied with an undrilled outlet flange and a slip type inlet. The exterior of the fan housing shall have a UFBL grey gel coat finish containing U.V. inhibitor to prevent ultra violet light degradation.

- The fan wheel shall be radial blade design of solid FRP construction with a wheel shroud plate. The wheel shall be positively locked onto a stepped shaft by means of a 316ss retaining plate which is protected from the airstream by FRP encapsulation. (Taper lock bushings or set screws are not acceptable). The wheel shall be balanced statically and dynamically as per ANSI/AMCA Standard 204.96 Balance Quality & Vibration Levels for Fans to grade G 6.3.

- The solid FRP fan inlet collar shall be designed for interfacing with the wheel shroud plate to maximize aerodynamic efficiency.

- Shafts will be 316ss accurately turned & gauged for accuracy and sized so that the first critical speed is a minimum of 1.35 times the maximum operating speed.

- Shaft seal shall be Teflon and of precision cut design for a close tolerance fit with the fan shaft and fastened by encapsulated 316ss fasteners.

- Bearings shall be pillow block design sized to have a minimum life of 50,000 hours based on AFMBA L_{10} standard.

- Support structure shall be steel construction with a minimum two coat epoxy finish using Amercoat 370 high build coating with a dry film thickness of 6-8 mils. Colour shall match the fan housing.
- Prior to shipment all fans shall be mechanically test run and trim balanced to ensure vibration levels are in keeping with ANSI/AMCA Standard 204.96.

Note : The addition of UFBL Features to the standard fan will amend the specification accordingly

Air Performance Data | Tip Speed = 4.091 x RPM | **FRBX-156**

Outlet Area = 0.478 sq.ft | **Inlet Area = 0.442 sq.ft** | **Diameter = 15 5/8 inches**

Static Pressure		2.00		4.00		6.00		8.00		10.00		11.00		12.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
477	1000	1229	0.28	1694	0.61	2063	1	2379	1.43						
573	1200	1260	0.34	1712	0.7	2073	1.11	2384	1.56						
668	1400	1296	0.41	1737	0.8	2090	1.23	2395	1.72	2668	2.24	2795	2.52	2917	2.8
764	1600	1335	0.48	1766	0.91	2112	1.38	2412	1.88	2680	2.43	2806	2.72	2926	3.02
859	1800	1377	0.56	1799	1.03	2139	1.53	2433	2.07	2698	2.65	2821	2.95	2940	3.26
955	2000	1422	0.65	1836	1.16	2169	1.7	2459	2.27	2719	2.88	2841	3.19	2958	3.52
1050	2200	1469	0.76	1875	1.31	2203	1.89	2488	2.49	2744	3.13	2864	3.46	2980	3.8
1146	2400	1518	0.87	1916	1.47	2239	2.09	2520	2.73	2773	3.4	2891	3.75	3005	4.1
1241	2600	1568	1	1959	1.64	2278	2.3	2554	2.98	2804	3.69	2920	4.05	3033	4.42
1336	2800	1620	1.15	2004	1.82	2318	2.52	2591	3.25	2837	4	2953	4.38	3064	4.76
1432	3000	1672	1.31	2051	2.02	2360	2.77	2629	3.53	2873	4.32	2987	4.72	3096	5.13
1527	3200	1726	1.49	2099	2.24	2403	3.03	2670	3.84	2910	4.66	3023	5.08	3131	5.51
1623	3400	1783	1.69	2148	2.48	2448	3.3	2711	4.15	2949	5.02	3060	5.47	3168	5.91
1718	3600	1842	1.92	2199	2.73	2495	3.6	2754	4.49	2989	5.4	3100	5.87	3206	6.33
1814	3800	1903	2.18	2250	3.01	2542	3.92	2798	4.85	3031	5.8	3140	6.29	3245	6.77
1909	4000	1966	2.45	2301	3.31	2591	4.26	2844	5.23	3074	6.22	3182	6.73	3286	7.23
2005	4200	2030	2.75	2354	3.63	2640	4.62	2891	5.63	3118	6.67	3225	7.19	3328	7.72
2100	4400	2096	3.08	2407	3.98	2690	5.01	2938	6.06	3163	7.13	3269	7.68	3371	8.23
2196	4600	2162	3.43	2462	4.36	2741	5.42	2987	6.51	3209	7.63	3314	8.19	3415	8.76
2291	4800	2229	3.8	2519	4.77	2793	5.85	3036	6.99	3257	8.14	3360	8.73	3460	9.32

Static Pressure		13.00		14.00		15.00		16.00		17.00		18.00		19.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
477	1000														
573	1200	3032	2.89	3147	3.19										
668	1400	3034	3.09	3148	3.4	3258	3.71	3364	4.03	Unshaded Area =Design C				3666	5.04
764	1600	3042	3.32	3154	3.64	3262	3.96	3368	4.29					3667	5.33
859	1800	3054	3.57	3165	3.9	3272	4.23	3376	4.57	3477	4.92	3576	5.28	3672	5.64
955	2000	3071	3.85	3180	4.19	3286	4.53	3389	4.88	3489	5.24	3586	5.61	3681	5.99
1050	2200	3091	4.14	3199	4.49	3303	4.85	3405	5.22	3504	5.59	3600	5.97	3694	6.36
1146	2400	3115	4.46	3221	4.82	3324	5.2	3425	5.58	3523	5.97	3618	6.36	3711	6.76
1241	2600	3141	4.8	3247	5.18	3349	5.57	3448	5.96	3544	6.36	3639	6.77	3730	7.18
1336	2800	3171	5.16	3275	5.55	3375	5.96	3474	6.37	3569	6.79	3662	7.21	3753	7.64
1432	3000	3202	5.54	3305	5.95	3405	6.37	3502	6.8	3596	7.24	3688	7.67	3778	8.12
1527	3200	3236	5.94	3338	6.37	3436	6.81	3532	7.26	3626	7.71	3717	8.16	3806	8.62
1623	3400	3272	6.36	3372	6.81	3470	7.27	3565	7.73	3657	8.2	3747	8.67	3836	9.15
1718	3600	3309	6.8	3408	7.28	3505	7.75	3599	8.24	3691	8.72	3780	9.21	3867	9.71
1814	3800	3347	7.26	3446	7.76	3542	8.26	3635	8.76	3725	9.27	3814	9.77	3901	10.29
1909	4000	3387	7.75	3485	8.26	3580	8.78	3672	9.31	3762	9.83	3850	10.36	3935	10.89
2005	4200	3428	8.25	3525	8.79	3619	9.33	3710	9.87	3800	10.42	3887	10.97	3972	11.52
2100	4400	3470	8.78	3566	9.34	3659	9.9	3750	10.46	3838	11.03	3925	11.6	4009	12.18
2196	4600	3513	9.33	3608	9.91	3701	10.49	3791	11.08	3878	11.67	3964	12.26	4048	12.85
2291	4800	3557	9.91	3651	10.51	3743	11.11	3832	11.72	3919	12.33	4004	12.94	4087	13.56

Static Pressure		20.00		21.00		22.00		23.00		24.00		25.00		26.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
477	1000	3778	4.89	3873	5.23	3966	5.58	4057	5.94	4146	6.31	4233	6.68		
573	1200	3767	5.13	3861	5.47	3954	5.83	4044	6.2	4132	6.57	4219	6.94		
668	1400	3762	5.39	3855	5.75	3947	6.12	4036	6.49	4124	6.87	4210	7.25		
764	1600	3761	5.69	3854	6.05	3945	6.43	4033	6.81	4120	7.2	4206	7.6		
859	1800	3766	6.01	3857	6.39	3947	6.78	4035	7.17	4121	7.56	4206	7.97		
955	2000	3774	6.37	3865	6.76	3954	7.15	4041	7.55	4126	7.96	4210	8.38		
1050	2200	3786	6.75	3876	7.15	3964	7.56	4050	7.97	4135	8.39	4217	8.82		
1146	2400	3802	7.17	3890	7.58	3978	8	4063	8.42	4147	8.85	4229	9.29		
1241	2600	3820	7.61	3908	8.03	3995	8.46	4079	8.9	4162	9.35	4243	9.8		
1336	2800	3842	8.07	3929	8.51	4014	8.96	4098	9.41	4180	9.87	4261	10.33		
1432	3000	3866	8.56	3953	9.02	4037	9.48	4120	9.95	4201	10.42				
1527	3200	3893	9.09	3978	9.56	4062	10.03	4144	10.51	4225	11				
1623	3400	3922	9.63	4006	10.12	4089	10.61	4170	11.11	4250	11.61				
1718	3600	3953	10.21	4036	10.71	4118	11.22	4199	11.73	4278	12.25				
1814	3800	3985	10.8	4068	11.33	4150	11.85	4229	12.38						
1909	4000	4019	11.43	4102	11.97	4182	12.51	4261	13.06						
2005	4200	4055	12.08	4136	12.64	4216	13.2					Shaded Area =Design D			
2100	4400	4092	12.76	4173	13.33	4252	13.92								
2196	4600	4130	13.45	4210	14.06										
2291	4800	4169	14.18	4248	14.8										

"Performance certified are for Installation Type D Ducted Inlet, Ducted Outlet. Performance ratings do not include appurtenances(accessories)."

Power Rating (BHP) does not include transmission losses.

Air Performance Data

Tip Speed = 5.007 x RPM

FRBX-191

Outlet Area = 0.673 sq.ft | **Inlet Area = 0.660 sq.ft** | **Diameter = 19 1/8 inches**

Static Pressure		2.00		4.00		6.00		8.00		10.00		11.00		12.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
673	1000	998	0.4												
807	1200	1020	0.48	1393	1							Unshaded Area =Design C			
942	1400	1046	0.57	1410	1.13	1701	1.77								
1076	1600	1075	0.66	1431	1.28	1717	1.96	1964	2.7	2185	3.5				
1211	1800	1106	0.77	1455	1.44	1736	2.17	1978	2.95	2196	3.79	2298	4.23	2395	4.68
1346	2000	1140	0.9	1482	1.62	1758	2.4	1996	3.22	2211	4.1	2311	4.56	2408	5.03
1480	2200	1175	1.03	1511	1.82	1782	2.64	2017	3.52	2228	4.44	2327	4.92	2423	5.41
1615	2400	1212	1.18	1542	2.03	1808	2.91	2040	3.84	2249	4.8	2346	5.31	2440	5.82
1749	2600	1250	1.35	1574	2.25	1837	3.2	2065	4.18	2271	5.19	2367	5.72	2460	6.25
1884	2800	1289	1.54	1607	2.5	1866	3.5	2092	4.54	2295	5.6	2391	6.15	2482	6.71
2018	3000	1328	1.75	1642	2.76	1898	3.82	2121	4.92	2321	6.04	2415	6.61	2506	7.2
2153	3200	1369	1.98	1678	3.05	1930	4.17	2150	5.32	2349	6.5	2442	7.1	2532	7.71
2288	3400	1410	2.23	1715	3.36	1963	4.53	2181	5.74	2378	6.98	2470	7.61	2558	8.25
2422	3600	1454	2.52	1753	3.69	1998	4.92	2213	6.19	2407	7.49	2499	8.15	2586	8.82
2557	3800	1499	2.84	1791	4.05	2034	5.34	2246	6.67	2438	8.02	2529	8.71	2616	9.41
2691	4000	1546	3.19	1830	4.43	2070	5.78	2280	7.16	2470	8.58	2560	9.3	2646	10.02
2826	4200	1594	3.57	1870	4.85	2107	6.25	2315	7.69	2503	9.17	2591	9.92	2677	10.67
2960	4400	1643	3.99	1910	5.29	2145	6.75	2350	8.25	2536	9.78	2624	10.56	2709	11.34
3095	4600	1693	4.43	1951	5.77	2183	7.29	2387	8.84	2571	10.43	2658	11.24	2742	12.05
3229	4800	1744	4.91	1993	6.29	2222	7.85	2424	9.46	2606	11.11	2692	11.94	2775	12.79

Static Pressure		13.00		14.00		15.00		16.00		17.00		18.00		19.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
673	1000														
807	1200														
942	1400														
1076	1600														
1211	1800	2490	5.15	2581	5.63										
1346	2000	2501	5.52	2590	6.01	2678	6.52	2762	7.04						
1480	2200	2514	5.91	2603	6.43	2689	6.95	2773	7.49	2854	8.03	2934	8.59	3011	9.16
1615	2400	2531	6.34	2619	6.87	2704	7.42	2786	7.97	2867	8.53	2945	9.11	3022	9.7
1749	2600	2550	6.79	2636	7.35	2721	7.91	2802	8.49	2882	9.07	2960	9.67	3035	10.27
1884	2800	2571	7.28	2656	7.85	2740	8.44	2820	9.04	2899	9.64	2976	10.25	3051	10.88
2018	3000	2594	7.79	2678	8.39	2761	9	2841	9.62	2918	10.24	2994	10.88	3069	11.52
2153	3200	2618	8.33	2702	8.95	2783	9.59	2862	10.23	2940	10.88	3015	11.53	3088	12.2
2288	3400	2644	8.89	2727	9.54	2808	10.2	2886	10.87	2962	11.54	3037	12.22	3110	12.91
2422	3600	2671	9.49	2753	10.16	2833	10.85	2911	11.54	2986	12.24	3060	12.94	3132	13.66
2557	3800	2700	10.11	2781	10.81	2860	11.53	2937	12.25	3012	12.97	3085	13.7	3156	14.44
2691	4000	2729	10.76	2810	11.49	2888	12.23	2964	12.98	3039	13.73	3111	14.49	3182	15.25
2826	4200	2759	11.43	2839	12.19	2917	12.96	2993	13.74	3066	14.52	3138	15.31	3208	16.1
2960	4400	2791	12.13	2870	12.93	2947	13.73	3022	14.53	3095	15.34	3166	16.16	3236	16.98
3095	4600	2823	12.87	2901	13.69	2978	14.52	3052	15.35	3125	16.19	3195	17.04	3265	17.89
3229	4800	2856	13.63	2934	14.49	3009	15.35	3083	16.21	3155	17.08	3225	17.95	3294	18.83

Static Pressure		20.00		21.00		22.00		23.00		24.00		25.00		26.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
673	1000														
807	1200														
942	1400														
1076	1600														
1211	1800										Shaded Area =Design D				
1346	2000														
1480	2200														
1615	2400	3097	10.29	3170	10.9	3241	11.51	3312	12.14						
1749	2600	3109	10.88	3182	11.51	3253	12.14	3322	12.78	3391	13.43	3458	14.09		
1884	2800	3124	11.51	3196	12.15	3266	12.81	3335	13.46	3403	14.13	3469	14.8		
2018	3000	3141	12.18	3212	12.84	3282	13.51	3350	14.19	3417	14.87	3483	15.57		
2153	3200	3160	12.87	3231	13.56	3299	14.25	3367	14.95	3434	15.66				
2288	3400	3181	13.61	3250	14.31	3319	15.03	3386	15.75	3452	16.48				
2422	3600	3203	14.38	3272	15.11	3340	15.84	3406	16.59	3471	17.33				
2557	3800	3226	15.18	3295	15.94	3362	16.7	3428	17.46	3492	18.24				
2691	4000	3251	16.02	3319	16.8	3386	17.58	3451	18.37						
2826	4200	3277	16.89	3345	17.7	3411	18.51	3475	19.32						
2960	4400	3304	17.8	3371	18.63	3436	19.47								
3095	4600	3332	18.74	3399	19.6	3464	20.46								
3229	4800	3361	19.71	3427	20.6										

"Performance certified are for Installation Type D Ducted Inlet, Ducted Outlet. Performance ratings do not include appurtenances(accessories)."

Power Rating (BHP) does not include transmission losses.

Air Performance Data | Tip Speed = 5.924 x RPM | **FRBX-226**

Outlet Area = 0.938 sq.ft | Inlet Area = 0.922 sq.ft | Diameter = 22 5/8 inches

Static Pressure		2.00		4.00		6.00		8.00		10.00		11.00		12.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
937	1000	835	0.5	1168	1.11										
1125	1200	852	0.59	1170	1.23										
1312	1400	873	0.71	1179	1.39	1432	2.2								
1499	1600	895	0.83	1196	1.58	1438	2.41	1653	3.36						
1687	1800	920	0.96	1216	1.79	1451	2.67	1659	3.64	1849	4.71				
1874	2000	948	1.11	1237	2.02	1468	2.96	1669	3.96	1854	5.06	1941	5.64	2025	6.25
2062	2200	978	1.27	1259	2.26	1488	3.28	1685	4.33	1864	5.46	1949	6.06	2031	6.67
2249	2400	1009	1.45	1282	2.52	1510	3.63	1704	4.75	1879	5.91	1961	6.52	2041	7.15
2437	2600	1040	1.66	1308	2.79	1531	3.99	1725	5.19	1897	6.41	1978	7.04	2056	7.69
2624	2800	1072	1.89	1337	3.09	1554	4.36	1746	5.65	1917	6.95	1997	7.61	2073	8.28
2811	3000	1106	2.16	1367	3.4	1578	4.75	1768	6.13	1938	7.51	2017	8.21	2093	8.91
2999	3200	1143	2.46	1397	3.74	1605	5.17	1790	6.63	1960	8.1	2039	8.84	2114	9.58
3186	3400	1181	2.8	1428	4.11	1633	5.6	1814	7.15	1982	8.71	2060	9.49	2136	10.28
3374	3600	1220	3.18	1459	4.52	1663	6.07	1840	7.69	2004	9.34	2082	10.16	2157	10.99
3561	3800	1261	3.6	1490	4.96	1693	6.56	1868	8.26	2028	9.99	2105	10.86	2179	11.73
3749	4000	1302	4.05	1523	5.45	1724	7.09	1896	8.85	2054	10.66	2129	11.58	2202	12.49
3936	4200	1343	4.54	1557	5.98	1755	7.66	1926	9.48	2081	11.36	2155	12.32	2227	13.28
4123	4400	1385	5.06	1593	6.57	1785	8.27	1957	10.15	2110	12.1	2182	13.09	2252	14.09
4311	4600	1427	5.63	1630	7.21	1817	8.92	1988	10.85	2139	12.87	2211	13.9	2280	14.93
4498	4800	1469	6.23	1668	7.9	1849	9.63	2018	11.6	2170	13.68	2240	14.74	2308	15.81

Static Pressure		13.00		14.00		15.00		16.00		17.00		18.00		19.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
937	1000														
1125	1200														
1312	1400									Unshaded Area =Design C					
1499	1600														
1687	1800														
1874	2000	2107	6.87												
2062	2200	2111	7.31	2189	7.97	2264	8.65	2337	9.34						
2249	2400	2119	7.8	2195	8.47	2269	9.16	2341	9.87	2411	10.59	2480	11.34	2547	12.09
2437	2600	2131	8.35	2205	9.04	2277	9.74	2348	10.45	2417	11.19	2484	11.95	2550	12.72
2624	2800	2148	8.96	2220	9.66	2290	10.38	2359	11.11	2426	11.86	2492	12.63	2557	13.41
2811	3000	2166	9.62	2237	10.35	2306	11.08	2374	11.83	2439	12.59	2504	13.37	2567	14.17
2999	3200	2187	10.33	2257	11.08	2325	11.84	2391	12.61	2456	13.4	2519	14.19	2581	15.01
3186	3400	2208	11.06	2278	11.85	2345	12.65	2411	13.45	2474	14.26	2537	15.08	2598	15.91
3374	3600	2229	11.82	2299	12.65	2366	13.49	2431	14.32	2495	15.17	2556	16.02	2616	16.87
3561	3800	2251	12.6	2320	13.48	2387	14.36	2452	15.23	2516	16.11	2577	17	2637	17.89
3749	4000	2273	13.41	2342	14.33	2409	15.25	2474	16.17	2537	17.09	2598	18.02	2658	18.94
3936	4200	2297	14.24	2365	15.2	2431	16.17	2496	17.13	2558	18.1	2619	19.07	2679	20.04
4123	4400	2321	15.09	2388	16.1	2454	17.11	2518	18.12	2580	19.13	2641	20.14	2700	21.16
4311	4600	2347	15.98	2413	17.03	2478	18.08	2541	19.13	2603	20.19	2663	21.25	2722	22.31
4498	4800	2374	16.89	2439	17.99	2503	19.08	2565	20.18	2626	21.28	2686	22.38	2744	23.48

Static Pressure		20.00		21.00		22.00		23.00		24.00		25.00		26.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
937	1000														
1125	1200														
1312	1400														
1499	1600														
1687	1800														
1874	2000									Shaded Area =Design D					
2062	2200														
2249	2400														
2437	2600	2615	13.5	2679	14.31	2741	15.12	2802	15.96						
2624	2800	2621	14.2	2683	15.03	2745	15.86	2805	16.7	2864	17.56	2922	18.44		
2811	3000	2630	14.98	2691	15.81	2751	16.65	2810	17.51	2869	18.39	2926	19.27		
2999	3200	2642	15.83	2702	16.67	2761	17.53	2819	18.4	2876	19.28	2933	20.18		
3186	3400	2658	16.75	2716	17.61	2774	18.47	2831	19.36	2887	20.26	2942	21.17		
3374	3600	2675	17.74	2733	18.62	2790	19.51	2846	20.4	2901	21.32	2955	22.25		
3561	3800	2695	18.79	2752	19.69	2808	20.6	2863	21.53	2918	22.46				
3749	4000	2716	19.88	2772	20.82	2828	21.76	2882	22.71	2936	23.67				
3936	4200	2737	21.01	2793	21.98	2849	22.96	2903	23.95	2956	24.93				
4123	4400	2758	22.17	2815	23.19	2870	24.21	2924	25.22						
4311	4600	2780	23.36	2836	24.42	2891	25.49								
4498	4800	2802	24.58	2858	25.69	2913	26.79								

"Performance certified are for Installation Type D Ducted Inlet, Ducted Outlet. Performance ratings do not include appurtenances(accessories)."

Power Rating (BHP) does not include transmission losses.

Air Performance Data | Tip Speed = 6.840 x RPM | FRBX-261

Outlet Area = 1.253 sq.ft | Inlet Area = 1.227 sq.ft | Diameter = 26 1/8 inches

Static Pressure		2.00		4.00		6.00		8.00		10.00		11.00		12.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1252	1000	727	0.66												
1503	1200	743	0.79	1019	1.64							Unshaded Area =Design C			
1753	1400	761	0.95	1027	1.85	1246	2.92								
2004	1600	781	1.11	1042	2.11	1252	3.21	1439	4.47						
2254	1800	803	1.29	1060	2.4	1264	3.56	1444	4.85	1609	6.27	1686	7.02	1760	7.81
2505	2000	828	1.49	1078	2.71	1279	3.96	1454	5.29	1614	6.74	1690	7.52	1763	8.32
2755	2200	855	1.7	1098	3.03	1297	4.39	1468	5.79	1623	7.28	1697	8.07	1768	8.89
3006	2400	882	1.95	1119	3.38	1316	4.86	1485	6.35	1637	7.9	1708	8.71	1778	9.54
3256	2600	909	2.23	1142	3.75	1335	5.34	1504	6.94	1653	8.57	1723	9.41	1791	10.27
3507	2800	938	2.55	1167	4.14	1355	5.84	1523	7.57	1671	9.3	1740	10.18	1807	11.07
3757	3000	968	2.92	1194	4.57	1377	6.37	1542	8.21	1690	10.06	1759	10.99	1825	11.93
4007	3200	1000	3.33	1221	5.03	1401	6.93	1562	8.88	1709	10.85	1777	11.84	1843	12.83
4258	3400	1034	3.8	1248	5.53	1426	7.52	1583	9.58	1728	11.67	1796	12.71	1862	13.76
4508	3600	1069	4.31	1275	6.08	1452	8.15	1606	10.31	1748	12.51	1816	13.62	1881	14.72
4759	3800	1105	4.88	1303	6.69	1479	8.82	1630	11.08	1770	13.39	1836	14.55	1901	15.72
5009	4000	1141	5.49	1332	7.35	1506	9.54	1656	11.88	1793	14.3	1858	15.52	1921	16.74
5260	4200	1178	6.16	1362	8.08	1533	10.31	1683	12.73	1817	15.24	1881	16.52	1943	17.8
5510	4400	1214	6.87	1394	8.88	1561	11.14	1710	13.64	1842	16.24	1905	17.56	1966	18.89
5761	4600	1251	7.64	1427	9.76	1588	12.03	1737	14.59	1869	17.28	1930	18.65	1990	20.03
6011	4800	1289	8.47	1461	10.7	1617	13	1764	15.61	1895	18.38	1957	19.79	2016	21.22

Static Pressure		13.00		14.00		15.00		16.00		17.00		18.00		19.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1252	1000														
1503	1200														
1753	1400														
2004	1600														
2254	1800														
2505	2000	1833	9.14	1902	10	1968	10.87								
2755	2200	1838	9.74	1905	10.61	1970	11.5	2034	12.42	2096	13.36				
3006	2400	1845	10.4	1911	11.29	1975	12.2	2037	13.14	2099	14.1	2158	15.08	2216	16.08
3256	2600	1857	11.15	1921	12.05	1983	12.98	2044	13.94	2104	14.91	2163	15.91	2220	16.93
3507	2800	1871	11.98	1934	12.91	1995	13.85	2054	14.83	2113	15.82	2170	16.83	2226	17.86
3757	3000	1888	12.87	1950	13.83	2009	14.81	2068	15.8	2125	16.82	2181	17.85	2236	18.9
4007	3200	1906	13.82	1967	14.82	2026	15.83	2084	16.86	2140	17.9	2195	18.96	2248	20.04
4258	3400	1925	14.81	1986	15.86	2044	16.92	2101	17.98	2156	19.06	2210	20.16	2263	21.26
4508	3600	1944	15.83	2004	16.94	2063	18.05	2119	19.17	2174	20.29	2228	21.42	2280	22.56
4759	3800	1963	16.88	2023	18.05	2082	19.22	2138	20.4	2193	21.57	2246	22.75	2298	23.94
5009	4000	1983	17.97	2043	19.19	2101	20.42	2157	21.65	2212	22.89	2265	24.12	2317	25.36
5260	4200	2003	19.08	2063	20.37	2120	21.66	2176	22.95	2231	24.24	2284	25.53	2335	26.83
5510	4400	2025	20.24	2083	21.58	2140	22.93	2196	24.28	2250	25.63	2303	26.98	2354	28.34
5761	4600	2048	21.43	2106	22.83	2162	24.23	2216	25.64	2270	27.05	2322	28.46	2374	29.88
6011	4800	2073	22.67	2129	24.12	2184	25.58	2238	27.05	2291	28.52	2343	29.99	2393	31.46

Static Pressure		20.00		21.00		22.00		23.00		24.00		25.00		26.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1252	1000														
1503	1200														
1753	1400									Shaded Area =Design D					
2004	1600														
2254	1800														
2505	2000														
2755	2200	2272	16.32	2329	17.33	2384	18.38	2437	19.43	2490	20.52				
3006	2400	2273	17.11	2329	18.15	2384	19.22	2437	20.29	2489	21.4	2541	22.51		
3256	2600	2276	17.98	2331	19.04	2385	20.12	2438	21.23	2490	22.35	2541	23.49		
3507	2800	2281	18.93	2336	20.01	2389	21.11	2441	22.23	2492	23.36	2543	24.53		
3757	3000	2290	19.97	2343	21.08	2395	22.19	2446	23.33	2497	24.49	2547	25.66		
4007	3200	2301	21.13	2353	22.24	2404	23.38	2455	24.52	2504	25.7	2553	26.89		
4258	3400	2315	22.38	2366	23.51	2416	24.67	2466	25.84	2514	27.02	2562	28.24		
4508	3600	2331	23.72	2382	24.89	2431	26.06	2479	27.26	2527	28.47	2574	29.69		
4759	3800	2349	25.13	2399	26.33	2447	27.55	2495	28.77	2542	30.02	2589	31.27		
5009	4000	2367	26.60	2417	27.85	2465	29.1	2512	30.37	2559	31.65	2604	32.93		
5260	4200	2386	28.13	2435	29.43	2483	30.73	2530	32.04						
5510	4400	2405	29.69	2454	31.05	2502	32.4								
5761	4600	2424	31.29	2473	32.71	2521	34.13								
6011	4800	2443	32.93	2492	34.41										

"Performance certified are for Installation Type D Ducted Inlet, Ducted Outlet. Performance ratings do not include appurtenances(accessories)."

Power Rating (BHP) does not include transmission losses.

Air Performance Data | Tip Speed = 7.757 x RPM | **FRBX-296**

Outlet Area = 1.600 sq.ft | **Inlet Area = 1.576 sq.ft** | **Diameter = 29 5/8 inches**

Static Pressure		2.00		4.00		6.00		8.00		10.00		11.00		12.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1599	1000	640	0.84												
1919	1200	653	1.01												
2238	1400	669	1.21	904	2.37	1098	3.74					Unshaded Area =Design C			
2558	1600	686	1.41	917	2.69	1102	4.11	1267	5.73						
2878	1800	706	1.64	932	3.06	1112	4.55	1271	6.2	1417	8.03	1485	9		
3198	2000	727	1.89	948	3.45	1126	5.05	1280	6.76	1421	8.63	1488	9.62	1552	10.65
3518	2200	751	2.17	965	3.87	1141	5.6	1292	7.39	1429	9.31	1494	10.33	1557	11.38
3837	2400	774	2.48	983	4.31	1158	6.19	1307	8.1	1440	10.09	1503	11.12	1565	12.2
4157	2600	798	2.83	1003	4.77	1174	6.8	1323	8.85	1454	10.94	1516	12.02	1576	13.12
4477	2800	823	3.23	1025	5.27	1192	7.45	1339	9.64	1470	11.86	1531	12.99	1590	14.13
4797	3000	849	3.69	1048	5.81	1210	8.12	1356	10.46	1486	12.83	1547	14.01	1605	15.21
5117	3200	877	4.21	1072	6.39	1231	8.82	1373	11.32	1503	13.83	1563	15.09	1621	16.35
5436	3400	906	4.8	1096	7.03	1253	9.57	1391	12.21	1520	14.87	1580	16.2	1637	17.54
5756	3600	937	5.44	1119	7.72	1275	10.36	1411	13.13	1537	15.94	1597	17.35	1654	18.76
6076	3800	968	6.15	1143	8.48	1299	11.21	1432	14.1	1555	17.05	1614	18.54	1671	20.02
6396	4000	999	6.93	1169	9.31	1322	12.12	1455	15.12	1575	18.2	1633	19.76	1689	21.32
6715	4200	1031	7.76	1195	10.23	1346	13.09	1478	16.19	1596	19.4	1653	21.03	1707	22.67
7035	4400	1063	8.66	1222	11.23	1370	14.13	1501	17.33	1618	20.66	1673	22.35	1727	24.06
7355	4600	1095	9.63	1251	12.33	1394	15.25	1525	18.54	1641	21.97	1695	23.73	1748	25.5
7675	4800	1128	10.67	1280	13.51	1419	16.47	1548	19.82	1664	23.36	1718	25.17	1770	27

Static Pressure		13.00		14.00		15.00		16.00		17.00		18.00		19.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1599	1000														
1919	1200														
2238	1400														
2558	1600														
2878	1800														
3198	2000														
3518	2200	1618	12.47	1678	13.59	1735	14.74	1791	15.92						
3837	2400	1624	13.31	1682	14.45	1739	15.62	1794	16.82	1848	18.06	1901	19.33	1952	20.61
4157	2600	1634	14.25	1691	15.41	1746	16.6	1800	17.82	1853	19.09	1904	20.37	1955	21.68
4477	2800	1646	15.29	1702	16.48	1756	17.7	1808	18.94	1860	20.22	1910	21.53	1960	22.87
4797	3000	1661	16.42	1715	17.65	1768	18.91	1820	20.18	1870	21.48	1920	22.81	1968	24.17
5117	3200	1677	17.62	1730	18.91	1782	20.21	1833	21.52	1883	22.85	1931	24.21	1979	25.6
5436	3400	1693	18.88	1746	20.23	1798	21.58	1848	22.95	1897	24.33	1945	25.72	1992	27.14
5756	3600	1709	20.18	1763	21.6	1814	23.02	1864	24.45	1913	25.88	1960	27.33	2006	28.79
6076	3800	1726	21.51	1779	23.01	1831	24.5	1880	26	1929	27.5	1976	29.01	2021	30.53
6396	4000	1743	22.89	1796	24.46	1847	26.03	1897	27.6	1945	29.18	1992	30.75	2038	32.33
6715	4200	1761	24.31	1813	25.95	1864	27.6	1914	29.25	1962	30.9	2008	32.55	2054	34.2
7035	4400	1780	25.77	1831	27.49	1882	29.21	1931	30.93	1978	32.66	2025	34.38	2070	36.12
7355	4600	1800	27.28	1850	29.07	1900	30.86	1948	32.66	1996	34.47	2042	36.27	2087	38.07
7675	4800	1821	28.85	1871	30.71	1919	32.58	1967	34.45	2014	36.32	2059	38.2	2104	40.08

Static Pressure		20.00		21.00		22.00		23.00		24.00		25.00		26.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1599	1000														
1919	1200														
2238	1400														
2558	1600														
2878	1800							Shaded Area =Design D							
3198	2000														
3518	2200														
3837	2400														
4157	2600	2005	23.03	2053	24.4	2101	25.78	2147	27.21	2193	28.64	2238	30.12		
4477	2800	2009	24.22	2057	25.62	2104	27.03	2150	28.48	2195	29.94	2240	31.43		
4797	3000	2016	25.55	2063	26.96	2109	28.4	2154	29.85	2199	31.35	2243	32.85		
5117	3200	2025	27	2071	28.42	2116	29.89	2161	31.37	2205	32.88	2248	34.42		
5436	3400	2037	28.58	2082	30.04	2127	31.51	2170	33.03	2213	34.55				
5756	3600	2051	30.27	2096	31.77	2139	33.29	2182	34.81	2224	36.38				
6076	3800	2066	32.06	2110	33.6	2153	35.16	2195	36.73	2237	38.31				
6396	4000	2082	33.93	2126	35.53	2168	37.13	2210	38.75	2251	40.39				
6715	4200	2098	35.86	2142	37.52	2184	39.19	2226	40.87						
7035	4400	2115	37.85	2158	39.58	2200	41.32	2242	43.05						
7355	4600	2131	39.88	2175	41.69	2217	43.5								
7675	4800	2148	41.96	2191	43.85	2233	45.73								

"Performance certified are for Installation Type D Ducted Inlet, Ducted Outlet. Performance ratings do not include appurtenances(accessories)."

Power Rating (BHP) does not include transmission losses.

Air Performance Data | Tip Speed = 8.640 x RPM | **FRBX-330**

Outlet Area = 1.982 sq.ft | Inlet Area = 1.969 sq.ft | Diameter = 33.0 inches

Static Pressure		2.00		4.00		6.00		8.00		10.00		11.00		12.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1981	1000	571	0.99												
2377	1200	577	1.17	806	2.45										
2773	1400	588	1.37	807	2.77	987	4.34				Unshaded Area =Design C				
3170	1600	603	1.6	812	3.13	987	4.8	1140	6.64						
3566	1800	620	1.85	821	3.51	990	5.31	1140	7.24	1274	9.32				
3962	2000	638	2.13	833	3.92	995	5.85	1141	7.91	1274	10.07	1336	11.2	1396	12.36
4358	2200	657	2.45	848	4.36	1005	6.43	1146	8.61	1275	10.9	1337	12.08	1396	13.29
4754	2400	678	2.82	864	4.85	1017	7.04	1153	9.35	1279	11.77	1339	13.01	1397	14.27
5151	2600	701	3.24	881	5.37	1031	7.69	1164	10.13	1286	12.68	1344	13.99	1401	15.31
5547	2800	724	3.71	899	5.94	1047	8.39	1177	10.96	1295	13.63	1352	15.01	1407	16.4
5943	3000	748	4.24	919	6.56	1064	9.13	1191	11.84	1307	14.64	1362	16.07	1415	17.53
6339	3200	772	4.82	939	7.25	1081	9.93	1206	12.76	1320	15.69	1374	17.19	1426	18.71
6735	3400	796	5.44	960	8	1099	10.78	1223	13.74	1335	16.8	1388	18.37	1439	19.95
7132	3600	820	6.11	982	8.83	1118	11.69	1240	14.77	1351	17.97	1403	19.6	1453	21.25
7528	3800	844	6.83	1005	9.73	1138	12.68	1257	15.87	1367	19.19	1418	20.89	1468	22.61
7924	4000	867	7.6	1029	10.71	1158	13.75	1276	17.03	1384	20.48	1435	22.24	1484	24.03
8320	4200	891	8.41	1053	11.76	1180	14.91	1295	18.28	1401	21.83	1452	23.66	1501	25.51
8717	4400	915	9.28	1077	12.88	1202	16.15	1315	19.61	1420	23.27	1469	25.15	1518	27.06
9113	4600	939	10.21	1101	14.08	1225	17.5	1335	21.04	1438	24.79	1488	26.73	1535	28.69
9509	4800	963	11.2	1125	15.34	1248	18.93	1357	22.56	1458	26.4	1506	28.39	1553	30.41

Static Pressure		13.00		14.00		15.00		16.00		17.00		18.00		19.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1981	1000														
2377	1200														
2773	1400														
3170	1600														
3566	1800														
3962	2000														
4358	2200	1452	14.52	1507	15.79	1561	17.09								
4754	2400	1453	15.56	1508	16.88	1560	18.22	1611	19.58	1661	20.97				
5151	2600	1456	16.66	1509	18.03	1561	19.43	1612	20.84	1661	22.27	1709	23.75	1756	25.24
5547	2800	1460	17.81	1513	19.24	1564	20.7	1614	22.17	1662	23.66	1710	25.17	1756	26.72
5943	3000	1467	19.01	1518	20.51	1568	22.02	1617	23.56	1665	25.12	1712	26.68	1758	28.27
6339	3200	1477	20.25	1527	21.82	1575	23.4	1623	25	1670	26.62	1716	28.26	1761	29.91
6735	3400	1489	21.55	1537	23.18	1585	24.83	1631	26.5	1677	28.18	1722	29.88	1766	31.6
7132	3600	1502	22.92	1549	24.61	1596	26.32	1641	28.05	1686	29.8	1730	31.56	1773	33.34
7528	3800	1516	24.34	1563	26.1	1609	27.87	1653	29.66	1697	31.48	1740	33.31	1782	35.16
7924	4000	1532	25.82	1578	27.65	1623	29.49	1667	31.35	1710	33.22	1752	35.11	1793	37.03
8320	4200	1548	27.38	1593	29.27	1638	31.17	1681	33.09	1723	35.04	1765	37	1805	38.97
8717	4400	1564	29	1609	30.95	1653	32.93	1696	34.92	1738	36.92	1779	38.94	1819	40.98
9113	4600	1581	30.69	1626	32.71	1670	34.75	1712	36.81	1753	38.88	1794	40.97	1834	43.07
9509	4800	1599	32.46	1643	34.55	1686	36.65	1729	38.78	1770	40.92	1810	43.07	1849	45.24

Static Pressure		20.00		21.00		22.00		23.00		24.00		25.00		26.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1981	1000														
2377	1200														
2773	1400														
3170	1600														
3566	1800														
3962	2000										Shaded Area =Design D				
4358	2200														
4754	2400														
5151	2600	1802	26.74	1847	28.28										
5547	2800	1802	28.27	1846	29.85	1890	31.46	1932	33.08	1974	34.73	2015	36.4		
5943	3000	1803	29.89	1847	31.52	1890	33.17	1932	34.84	1974	36.54	2014	38.25		
6339	3200	1805	31.57	1848	33.27	1891	34.97	1933	36.7	1974	38.44	2014	40.21		
6735	3400	1809	33.33	1852	35.07	1894	36.85	1935	38.62	1976	40.43	2016	42.24		
7132	3600	1815	35.15	1857	36.96	1898	38.78	1939	40.64	1979	42.49	2018	44.37		
7528	3800	1824	37.02	1865	38.9	1905	40.8	1945	42.7	1984	44.63	2023	46.57		
7924	4000	1834	38.96	1874	40.9	1913	42.85	1952	44.84	1991	46.83				
8320	4200	1845	40.96	1885	42.97	1924	45	1962	47.04	1999	49.09				
8717	4400	1858	43.04	1897	45.12	1935	47.2	1973	49.3	2010	51.43				
9113	4600	1872	45.2	1911	47.33	1948	49.48	1985	51.65						
9509	4800	1887	47.42	1925	49.62	1962	51.85	1998	54.08						

"Performance certified are for Installation Type D Ducted Inlet, Ducted Outlet. Performance ratings do not include appurtenances(accessories)."

Power Rating (BHP) does not include transmission losses.

Air Performance Data | Tip Speed = 9.557 x RPM | FRBX-365

Outlet Area = 2.430 sq.ft | Inlet Area = 2.406 sq.ft | Diameter = 36 1/2 inches

Static Pressure		2.00		4.00		6.00		8.00		10.00		11.00		12.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2428	1000	516	1.21												
2913	1200	521	1.43	728	3						Unshaded Area =Design C				
3399	1400	532	1.68	729	3.4	892	5.32								
3884	1600	546	1.96	734	3.83	892	5.89	1030	8.13						
4370	1800	561	2.26	742	4.3	895	6.51	1030	8.87	1152	11.41				
4855	2000	577	2.61	754	4.8	900	7.17	1032	9.69	1152	12.34	1208	13.72	1262	15.14
5341	2200	595	3.01	767	5.35	909	7.88	1036	10.55	1153	13.35	1208	14.8	1262	16.28
5826	2400	614	3.46	782	5.94	920	8.63	1043	11.46	1157	14.42	1211	15.94	1263	17.49
6312	2600	634	3.98	797	6.58	933	9.43	1052	12.42	1163	15.53	1215	17.14	1266	18.76
6797	2800	655	4.56	814	7.28	947	10.29	1064	13.43	1171	16.71	1222	18.39	1272	20.09
7283	3000	677	5.2	831	8.05	962	11.2	1077	14.51	1182	17.94	1232	19.7	1280	21.48
7768	3200	699	5.91	849	8.89	978	12.17	1091	15.64	1194	19.23	1243	21.07	1290	22.93
8254	3400	721	6.68	868	9.81	994	13.22	1106	16.84	1207	20.59	1255	22.51	1301	24.45
8739	3600	742	7.5	889	10.83	1011	14.34	1121	18.11	1222	22.02	1269	24.02	1314	26.04
9225	3800	764	8.39	909	11.94	1029	15.56	1137	19.46	1236	23.53	1283	25.6	1328	27.71
9710	4000	785	9.33	931	13.14	1048	16.87	1154	20.89	1252	25.11	1298	27.27	1342	29.45
10196	4200	806	10.33	953	14.43	1067	18.29	1171	22.42	1268	26.77	1313	29.01	1357	31.27
10681	4400	828	11.4	974	15.81	1087	19.82	1189	24.05	1284	28.53	1329	30.84	1373	33.18
11167	4600	849	12.53	996	17.28	1108	21.47	1208	25.8	1301	30.39	1346	32.77	1389	35.18
11653	4800	871	13.75	1018	18.83	1129	23.23	1227	27.67	1319	32.38	1363	34.81	1405	37.29

Static Pressure		13.00		14.00		15.00		16.00		17.00		18.00		19.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2428	1000														
2913	1200														
3399	1400														
3884	1600														
4370	1800														
4855	2000	1314	16.6												
5341	2200	1313	17.79	1363	19.35	1411	20.93	1458	22.54						
5826	2400	1314	19.07	1363	20.68	1411	22.32	1457	23.99	1502	25.69	1546	27.43	1588	29.19
6312	2600	1316	20.41	1364	22.09	1411	23.8	1457	25.53	1502	27.28	1545	29.09	1588	30.91
6797	2800	1320	21.82	1368	23.58	1414	25.36	1459	27.16	1503	28.99	1546	30.84	1588	32.73
7283	3000	1327	23.29	1373	25.13	1418	26.99	1462	28.87	1505	30.77	1548	32.69	1589	34.64
7768	3200	1336	24.82	1381	26.73	1425	28.67	1468	30.63	1510	32.62	1551	34.62	1592	36.64
8254	3400	1346	26.41	1390	28.41	1433	30.43	1475	32.47	1516	34.53	1557	36.62	1597	38.72
8739	3600	1358	28.09	1401	30.16	1443	32.26	1484	34.38	1525	36.52	1564	38.68	1603	40.86
9225	3800	1371	29.84	1414	31.99	1455	34.16	1495	36.36	1535	38.58	1573	40.82	1612	43.08
9710	4000	1385	31.65	1427	33.89	1468	36.14	1507	38.42	1546	40.71	1584	43.03	1621	45.38
10196	4200	1400	33.57	1441	35.88	1481	38.21	1520	40.57	1558	42.94	1596	45.34	1633	47.76
10681	4400	1415	35.55	1456	37.94	1495	40.36	1534	42.8	1572	45.25	1609	47.73	1645	50.22
11167	4600	1430	37.63	1471	40.1	1510	42.6	1548	45.12	1586	47.66	1622	50.22	1658	52.8
11653	4800	1446	39.8	1486	42.36	1525	44.94	1563	47.54	1600	50.16	1637	52.8	1672	55.45

Static Pressure		20.00		21.00		22.00		23.00		24.00		25.00		26.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2428	1000														
2913	1200														
3399	1400														
3884	1600														
4370	1800														
4855	2000									Shaded Area =Design D					
5341	2200														
5826	2400	1630	31												
6312	2600	1629	32.75	1670	34.64	1709	36.53	1748	38.49	1786	40.45	1823	42.45		
6797	2800	1629	34.63	1669	36.57	1708	38.53	1747	40.52	1785	42.54	1822	44.59		
7283	3000	1630	36.62	1670	38.61	1709	40.64	1747	42.68	1784	44.76	1821	46.85		
7768	3200	1632	38.68	1671	40.76	1710	42.83	1748	44.96	1785	47.09	1821	49.26		
8254	3400	1636	40.84	1674	42.98	1712	45.15	1750	47.32	1786	49.54	1823	51.75		
8739	3600	1642	43.07	1679	45.29	1717	47.52	1753	49.79	1789	52.06	1825	54.37		
9225	3800	1649	45.36	1686	47.67	1723	49.99	1758	52.32	1794	54.69	1829	57.06		
9710	4000	1658	47.74	1695	50.12	1730	52.51	1765	54.95	1800	57.38				
10196	4200	1669	50.2	1704	52.66	1739	55.14	1774	57.64	1808	60.15				
10681	4400	1681	52.75	1716	55.29	1750	57.84	1784	60.42	1817	63.02				
11167	4600	1693	55.39	1728	58	1762	60.64	1795	63.31						
11653	4800	1707	58.12	1741	60.83	1774	63.55	1807	66.28						

"Performance certified are for Installation Type D Ducted Inlet, Ducted Outlet. Performance ratings do not include appurtenances(accessories)."

Power Rating (BHP) does not include transmission losses.

Air Performance Data

Tip Speed = 10.473 x RPM

FRBX-400

Outlet Area = 2.914 sq.ft | **Inlet Area = 2.886 sq.ft** | **Diameter = 40.0 inches**

Static Pressure		2.00		4.00		6.00		8.00		10.00		11.00		12.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2911	1000	471	1.45												
3494	1200	476	1.72	665	3.6						Unshaded Area =Design C				
4076	1400	485	2.01	666	4.07	814	6.38								
4658	1600	498	2.34	670	4.59	814	7.06	940	9.75						
5241	1800	511	2.71	677	5.15	816	7.81	940	10.65	1051	13.69				
5823	2000	526	3.13	688	5.76	821	8.6	942	11.62	1051	14.8	1102	16.46	1151	18.17
6405	2200	542	3.6	700	6.41	829	9.45	945	12.66	1052	16.02	1103	17.75	1151	19.52
6988	2400	560	4.14	713	7.12	839	10.35	951	13.74	1055	17.29	1105	19.12	1153	20.98
7570	2600	578	4.76	727	7.89	851	11.31	960	14.89	1061	18.63	1109	20.55	1156	22.5
8152	2800	597	5.46	742	8.73	864	12.33	971	16.11	1069	20.03	1115	22.05	1161	24.1
8734	3000	617	6.23	758	9.64	878	13.42	983	17.4	1078	21.51	1124	23.62	1168	25.77
9317	3200	637	7.08	775	10.65	892	14.59	995	18.76	1089	23.06	1134	25.27	1177	27.5
9899	3400	657	8	792	11.76	907	15.84	1009	20.19	1101	24.69	1145	26.99	1187	29.32
10481	3600	677	8.99	810	12.97	922	17.19	1023	21.71	1114	26.41	1157	28.8	1199	31.22
11064	3800	696	10.04	829	14.3	939	18.64	1037	23.32	1128	28.21	1170	30.7	1211	33.22
11646	4000	716	11.17	849	15.74	956	20.21	1053	25.04	1142	30.1	1184	32.69	1224	35.31
12228	4200	735	12.37	869	17.29	973	21.92	1068	26.87	1156	32.09	1198	34.78	1238	37.49
12810	4400	755	13.65	889	18.94	992	23.74	1085	28.83	1171	34.2	1212	36.97	1252	39.78
13393	4600	774	15.01	909	20.69	1011	25.72	1102	30.92	1187	36.43	1227	39.28	1267	42.17
13975	4800	794	16.46	928	22.55	1030	27.83	1119	33.16	1203	38.81	1243	41.73	1282	44.7

Static Pressure		13.00		14.00		15.00		16.00		17.00		18.00		19.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2911	1000														
3494	1200														
4076	1400														
4658	1600														
5241	1800														
5823	2000	1199	19.92												
6405	2200	1198	21.34	1244	23.21	1288	25.11	1330	27.05						
6988	2400	1199	22.87	1244	24.81	1287	26.78	1329	28.78	1370	30.82	1410	32.92	1449	35.02
7570	2600	1201	24.49	1245	26.5	1288	28.55	1330	30.63	1370	32.73	1410	34.9	1449	37.08
8152	2800	1205	26.18	1248	28.28	1290	30.42	1331	32.58	1371	34.78	1411	36.99	1449	39.27
8734	3000	1211	27.94	1253	30.14	1294	32.37	1334	34.63	1374	36.91	1412	39.21	1450	41.55
9317	3200	1219	29.77	1260	32.06	1300	34.39	1339	36.74	1378	39.12	1416	41.53	1453	43.95
9899	3400	1228	31.68	1268	34.07	1307	36.49	1346	38.94	1383	41.41	1420	43.92	1457	46.44
10481	3600	1239	33.68	1278	36.17	1317	38.69	1354	41.23	1391	43.8	1427	46.39	1463	49
11064	3800	1251	35.78	1290	38.35	1327	40.96	1364	43.6	1400	46.26	1436	48.96	1470	51.67
11646	4000	1264	37.96	1302	40.63	1339	43.34	1375	46.07	1410	48.83	1445	51.6	1479	54.42
12228	4200	1277	40.24	1315	43.02	1351	45.82	1387	48.64	1422	51.49	1456	54.37	1490	57.28
12810	4400	1291	42.62	1328	45.49	1364	48.39	1399	51.32	1434	54.26	1468	57.23	1501	60.22
13393	4600	1305	45.11	1342	48.08	1378	51.07	1413	54.09	1447	57.14	1480	60.21	1513	63.31
13975	4800	1319	47.71	1356	50.78	1391	53.87	1426	56.99	1460	60.14	1493	63.3	1525	66.49

Static Pressure		20.00		21.00		22.00		23.00		24.00		25.00		26.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2911	1000														
3494	1200														
4076	1400														
4658	1600														
5241	1800										Shaded Area =Design D				
5823	2000														
6405	2200														
6988	2400	1487	37.2												
7570	2600	1486	39.29	1523	41.57	1560	43.83	1595	46.19	1630	48.53				
8152	2800	1486	41.55	1523	43.87	1559	46.23	1594	48.61	1629	51.04	1662	53.49		
8734	3000	1487	43.93	1523	46.31	1559	48.75	1594	51.21	1628	53.7	1662	56.21		
9317	3200	1489	46.4	1525	48.89	1560	51.39	1595	53.94	1629	56.49	1662	59.09		
9899	3400	1493	48.99	1528	51.55	1563	54.16	1597	56.76	1630	59.42	1663	62.08		
10481	3600	1498	51.66	1532	54.32	1566	56.99	1600	59.72	1633	62.45	1665	65.21		
11064	3800	1505	54.4	1538	57.17	1572	59.96	1604	62.75	1637	65.59	1669	68.44		
11646	4000	1513	57.26	1546	60.11	1579	62.98	1611	65.9	1642	68.82				
12228	4200	1523	60.2	1555	63.15	1587	66.13	1619	69.13	1650	72.14				
12810	4400	1533	63.26	1565	66.31	1597	69.37	1628	72.46	1658	75.59				
13393	4600	1545	66.42	1576	69.56	1607	72.72	1638	75.92						
13975	4800	1557	69.7	1588	72.93	1619	76.2	1649	79.48						

"Performance certified are for Installation Type D Ducted Inlet, Ducted Outlet. Performance ratings do not include appurtenances(accessories)."

Power Rating (BHP) does not include transmission losses.

Air Performance Data | Tip Speed = 11.815 x RPM | **FRBX-451**

Outlet Area = 3.715 sq.ft | **Inlet Area = 3.687 sq.ft** | **Diameter = 45 1/8 inches**

Static Pressure		2.00		4.00		6.00		8.00		10.00		11.00		12.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3713	1000	418	1.85												
4455	1200	422	2.19	590	4.58						Unshaded Area =Design C				
5198	1400	431	2.57	590	5.19	722	8.13								
5940	1600	442	2.99	594	5.86	722	9	834	12.43						
6683	1800	454	3.46	601	6.57	724	9.95	834	13.57	932	17.44				
7425	2000	467	4	610	7.35	729	10.97	835	14.81	932	18.87	978	20.97	1021	23.14
8168	2200	482	4.6	621	8.18	736	12.05	838	16.14	933	20.41	978	22.62	1021	24.88
8910	2400	497	5.3	633	9.09	745	13.2	844	17.52	936	22.04	980	24.37	1022	26.74
9653	2600	513	6.09	645	10.07	755	14.43	852	19	941	23.75	984	26.2	1025	28.69
10395	2800	531	6.98	659	11.14	767	15.74	861	20.55	948	25.55	989	28.12	1030	30.73
11138	3000	548	7.97	673	12.32	779	17.13	872	22.19	957	27.44	997	30.12	1036	32.86
11880	3200	566	9.06	688	13.61	792	18.63	883	23.93	967	29.42	1006	32.23	1044	35.08
12623	3400	584	10.23	703	15.02	805	20.23	895	25.77	977	31.5	1016	34.43	1053	37.4
13366	3600	601	11.5	720	16.58	819	21.95	908	27.71	989	33.69	1027	36.75	1064	39.83
14108	3800	619	12.85	737	18.28	833	23.81	921	29.77	1001	36	1039	39.17	1075	42.39
14851	4000	636	14.29	754	20.13	848	25.82	934	31.97	1013	38.42	1051	41.72	1087	45.06
15593	4200	653	15.82	772	22.11	864	28.01	948	34.31	1026	40.96	1063	44.39	1099	47.84
16336	4400	671	17.46	789	24.22	881	30.35	963	36.82	1040	43.67	1076	47.19	1111	50.77
17078	4600	688	19.21	807	26.47	898	32.88	978	39.5	1054	46.52	1090	50.16	1124	53.83
17821	4800	706	21.07	825	28.84	915	35.58	994	42.37	1068	49.56	1103	53.28	1138	57.07

Static Pressure		13.00		14.00		15.00		16.00		17.00		18.00		19.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3713	1000														
4455	1200														
5198	1400														
5940	1600														
6683	1800														
7425	2000	1063	25.38												
8168	2200	1063	27.2	1103	29.57	1142	31.99	1180	34.45						
8910	2400	1063	29.15	1103	31.61	1142	34.12	1179	36.67	1215	39.27	1251	41.94	1285	44.61
9653	2600	1065	31.21	1104	33.78	1142	36.39	1179	39.03	1215	41.71	1251	44.47	1285	47.25
10395	2800	1069	33.37	1107	36.06	1144	38.78	1181	41.53	1216	44.32	1251	47.15	1285	50.04
11138	3000	1074	35.62	1111	38.43	1148	41.27	1184	44.14	1218	47.05	1253	49.98	1286	52.96
11880	3200	1081	37.96	1118	40.89	1153	43.85	1188	46.85	1222	49.88	1256	52.94	1289	56.02
12623	3400	1090	40.4	1125	43.45	1160	46.53	1194	49.65	1227	52.8	1260	55.99	1292	59.21
13366	3600	1100	42.96	1134	46.13	1168	49.34	1202	52.58	1234	55.85	1266	59.14	1298	62.49
14108	3800	1110	45.64	1144	48.93	1178	52.25	1210	55.61	1242	59	1274	62.43	1305	65.89
14851	4000	1121	48.43	1155	51.84	1188	55.28	1220	58.76	1252	62.27	1282	65.81	1313	69.4
15593	4200	1133	51.35	1167	54.89	1199	58.45	1231	62.05	1262	65.69	1292	69.36	1322	73.05
16336	4400	1145	54.39	1179	58.05	1211	61.75	1242	65.47	1273	69.22	1302	73.01	1332	76.83
17078	4600	1158	57.58	1191	61.36	1223	65.18	1254	69.03	1284	72.91	1313	76.82	1342	80.76
17821	4800	1171	60.91	1203	64.81	1235	68.75	1266	72.73	1296	76.74	1325	80.77	1354	84.83

Static Pressure		20.00		21.00		22.00		23.00		24.00		25.00		26.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3713	1000														
4455	1200														
5198	1400														
5940	1600														
6683	1800										Shaded Area =Design D				
7425	2000														
8168	2200														
8910	2400	1319	47.39												
9653	2600	1318	50.07	1351	52.95	1383	55.85	1415	58.83	1445	61.83				
10395	2800	1318	52.94	1351	55.91	1383	58.9	1414	61.94	1444	65.02	1474	68.15		
11138	3000	1319	55.99	1351	59.02	1383	62.13	1414	65.25	1444	68.43	1474	71.61		
11880	3200	1321	59.15	1353	62.32	1384	65.48	1414	68.74	1444	71.98	1474	75.3		
12623	3400	1324	62.44	1355	65.72	1386	69.04	1416	72.34	1446	75.74	1475	79.12		
13366	3600	1329	65.86	1359	69.25	1389	72.66	1419	76.14	1448	79.59	1477	83.13		
14108	3800	1335	69.36	1365	72.9	1394	76.45	1423	79.99	1452	83.63	1480	87.24		
14851	4000	1342	73.02	1372	76.65	1400	80.31	1429	84.03	1457	87.74	1485	91.5		
15593	4200	1351	76.77	1380	80.54	1408	84.34	1436	88.14	1464	92	1491	95.88		
16336	4400	1361	80.69	1389	84.57	1417	88.47	1444	92.41	1471	96.39	1498	100.36		
17078	4600	1371	84.73	1399	88.72	1426	92.76	1453	96.83	1480	100.9	1506	105.03		
17821	4800	1382	88.91	1409	93.05	1436	97.2	1463	101.37	1489	105.58	1515	109.83		

"Performance certified are for Installation Type D Ducted Inlet, Ducted Outlet. Performance ratings do not include appurtenances(accessories)."

Power Rating (BHP) does not include transmission losses.

Air Performance Data | Tip Speed = 13.223 x RPM | **FRBX-505**

Outlet Area = 4.639 sq.ft | **Inlet Area = 4.588 sq.ft** | **Diameter = 50 1/2 inches**

Static Pressure		2.00		4.00		6.00		8.00		10.00		11.00		12.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4635	1000	373	2.31												
5562	1200	377	2.74	527	5.73						Unshaded Area =Design C				
6489	1400	384	3.21	527	6.49	645	10.16								
7416	1600	394	3.73	530	7.31	645	11.24	745	15.53						
8343	1800	405	4.32	536	8.2	647	12.43	745	16.95	833	21.8				
9271	2000	417	4.98	544	9.17	650	13.7	746	18.5	832	23.57	873	26.22	912	28.94
10198	2200	429	5.73	554	10.21	657	15.04	749	20.15	833	25.5	873	28.26	912	31.09
11125	2400	443	6.59	565	11.34	665	16.47	754	21.88	836	27.53	875	30.44	913	33.4
12052	2600	458	7.58	576	12.56	674	18	760	23.71	840	29.66	878	32.73	915	35.83
12979	2800	473	8.68	588	13.89	684	19.63	769	25.65	846	31.9	883	35.11	919	38.37
13906	3000	489	9.91	600	15.34	695	21.37	778	27.69	854	34.24	890	37.61	925	41.02
14833	3200	504	11.26	613	16.94	706	23.22	788	29.86	863	36.71	898	40.22	932	43.79
15760	3400	520	12.72	627	18.7	718	25.21	799	32.14	872	39.3	907	42.97	940	46.67
16687	3600	536	14.29	642	20.64	730	27.35	810	34.55	882	42.03	916	45.85	949	49.71
17614	3800	551	15.97	657	22.75	743	29.66	821	37.12	893	44.9	927	48.86	959	52.89
18541	4000	567	17.76	672	25.04	757	32.16	833	39.84	904	47.9	937	52.03	970	56.2
19468	4200	582	19.66	688	27.49	771	34.86	846	42.76	916	51.07	949	55.35	980	59.67
20395	4400	597	21.7	703	30.12	785	37.77	859	45.86	927	54.43	960	58.83	991	63.31
21322	4600	613	23.86	719	32.91	800	40.91	872	49.19	940	57.97	972	62.51	1003	67.12
22249	4800	629	26.17	735	35.86	815	44.26	886	52.75	952	61.75	984	66.4	1015	71.13

Static Pressure		13.00		14.00		15.00		16.00		17.00		18.00		19.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4635	1000														
5562	1200														
6489	1400														
7416	1600														
8343	1800														
9271	2000	950	31.72												
10198	2200	949	33.99	985	36.96	1020	40	1054	43.08						
11125	2400	950	36.42	985	39.5	1020	42.64	1053	45.83	1086	49.08	1117	52.42	1148	55.78
12052	2600	951	38.99	986	42.2	1020	45.47	1053	48.78	1085	52.13	1117	55.57	1148	59.06
12979	2800	954	41.68	988	45.03	1022	48.44	1054	51.89	1086	55.38	1117	58.9	1148	62.53
13906	3000	959	44.48	992	47.98	1025	51.53	1057	55.13	1088	58.77	1119	62.44	1149	66.16
14833	3200	965	47.39	998	51.05	1029	54.75	1061	58.5	1091	62.29	1121	66.12	1151	69.98
15760	3400	973	50.43	1004	54.25	1035	58.1	1066	62	1096	65.93	1125	69.92	1154	73.95
16687	3600	981	53.62	1012	57.58	1043	61.59	1073	65.64	1102	69.73	1130	73.86	1158	78.02
17614	3800	991	56.95	1021	61.05	1051	65.21	1080	69.4	1109	73.65	1137	77.94	1164	82.27
18541	4000	1001	60.42	1031	64.68	1060	68.99	1089	73.34	1117	77.73	1145	82.15	1172	86.63
19468	4200	1011	64.05	1041	68.47	1070	72.93	1098	77.43	1126	81.97	1153	86.56	1180	91.18
20395	4400	1022	67.83	1052	72.41	1080	77.03	1108	81.69	1136	86.38	1162	91.11	1188	95.87
21322	4600	1033	71.8	1062	76.52	1091	81.29	1119	86.1	1146	90.95	1172	95.84	1198	100.77
22249	4800	1045	75.94	1074	80.82	1102	85.74	1129	90.71	1156	95.72	1182	100.76	1208	105.84

Static Pressure		20.00		21.00		22.00		23.00		24.00		25.00		26.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4635	1000														
5562	1200														
6489	1400														
7416	1600														
8343	1800														
9271	2000														
10198	2200										Shaded Area =Design D				
11125	2400	1178	59.25												
12052	2600	1177	62.57	1207	66.2	1235	69.8	1263	73.56	1291	77.3				
12979	2800	1177	66.17	1206	69.86	1235	73.63	1263	77.41	1290	81.29	1317	85.19		
13906	3000	1178	69.96	1207	73.76	1235	77.63	1263	81.55	1290	85.51	1316	89.52		
14833	3200	1179	73.88	1208	77.86	1236	81.83	1263	85.88	1290	89.96	1316	94.09		
15760	3400	1182	78	1210	82.07	1238	86.24	1265	90.39	1291	94.62	1317	98.86		
16687	3600	1186	82.25	1214	86.49	1240	90.74	1267	95.09	1293	99.44	1319	103.83		
17614	3800	1192	86.62	1218	91.02	1245	95.47	1271	99.92	1296	104.43	1322	108.97		
18541	4000	1198	91.16	1224	95.71	1250	100.27	1276	104.92	1301	109.58				
19468	4200	1206	95.84	1231	100.53	1257	105.29	1282	110.06	1306	114.86				
20395	4400	1214	100.7	1240	105.56	1264	110.44	1289	115.35	1313	120.34				
21322	4600	1223	105.74	1248	110.73	1273	115.76	1297	120.86						
22249	4800	1233	110.94	1258	116.1	1282	121.3	1306	126.52						

"Performance certified are for Installation Type D Ducted Inlet, Ducted Outlet. Performance ratings do not include appurtenances(accessories)."

Power Rating (BHP) does not include transmission losses.

Air Performance Data | Tip Speed = 15.055 x RPM | **FRBX-575**

Outlet Area = 5.988 sq.ft | **Inlet Area = 5.940 sq.ft** | **Diameter = 57 1/2 inches**

Static Pressure		2.00		4.00		6.00		8.00		10.00		11.00		12.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5984	1000	327	2.99												
7181	1200	331	3.53	462	7.41						Unshaded Area =Design C				
8378	1400	337	4.14	463	8.38	566	13.14								
9575	1600	346	4.81	466	9.44	566	14.53	654	20.08						
10771	1800	355	5.57	471	10.59	568	16.06	654	21.9	731	28.18				
11968	2000	366	6.42	478	11.83	571	17.69	655	23.9	731	30.46	767	33.89	801	37.41
13165	2200	377	7.38	486	13.17	576	19.42	657	26.02	732	32.94	767	36.51	801	40.16
14362	2400	389	8.49	495	14.62	583	21.26	662	28.26	734	35.56	768	39.32	802	43.14
15559	2600	401	9.75	505	16.19	591	23.23	667	30.6	738	38.31	771	42.26	804	46.28
16755	2800	415	11.17	515	17.9	600	25.32	675	33.1	743	41.18	775	45.34	807	49.55
17952	3000	428	12.75	526	19.77	610	27.55	683	35.73	749	44.19	781	48.55	812	52.96
19149	3200	442	14.48	538	21.82	619	29.94	692	38.51	757	47.37	788	51.92	818	56.51
20346	3400	456	16.35	550	24.08	630	32.49	701	41.45	765	50.71	796	55.45	825	60.23
21543	3600	470	18.37	562	26.55	641	35.24	711	44.55	774	54.22	804	59.14	833	64.14
22739	3800	483	20.52	576	29.27	652	38.21	721	47.84	784	57.9	813	63.03	842	68.23
23936	4000	496	22.82	589	32.2	663	41.42	731	51.35	793	61.76	823	67.1	851	72.49
25133	4200	510	25.27	603	35.35	676	44.88	742	55.09	803	65.84	832	71.36	860	76.96
26330	4400	523	27.88	617	38.72	688	48.61	753	59.07	814	70.15	842	75.85	870	81.63
27527	4600	537	30.66	630	42.3	701	52.63	765	63.35	824	74.71	853	80.57	880	86.53
28724	4800	551	33.62	644	46.09	715	56.93	777	67.9	835	79.54	863	85.56	890	91.68

Static Pressure		13.00		14.00		15.00		16.00		17.00		18.00		19.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5984	1000														
7181	1200														
8378	1400														
9575	1600														
10771	1800														
11968	2000	834	41.01												
13165	2200	834	43.92	865	47.77	896	51.7	925	55.7						
14362	2400	834	47.05	865	51.04	895	55.1	925	59.24	953	63.42	981	67.76	1008	72.13
15559	2600	835	50.36	866	54.51	896	58.74	925	63.03	953	67.37	981	71.8	1008	76.33
16755	2800	838	53.82	868	58.15	897	62.56	926	67.02	954	71.55	981	76.11	1008	80.79
17952	3000	842	57.43	871	61.95	900	66.54	928	71.2	955	75.91	982	80.67	1009	85.45
19149	3200	847	61.17	876	65.91	904	70.69	931	75.53	958	80.44	984	85.4	1010	90.4
20346	3400	854	65.1	882	70.03	909	75.02	936	80.05	962	85.14	988	90.28	1013	95.49
21543	3600	861	69.2	889	74.32	915	79.5	941	84.73	967	90.03	992	95.37	1017	100.74
22739	3800	869	73.47	896	78.78	922	84.14	948	89.57	973	95.06	998	100.61	1022	106.21
23936	4000	878	77.95	905	83.46	930	89.03	956	94.65	980	100.32	1005	106.05	1028	111.81
25133	4200	887	82.62	913	88.32	939	94.08	964	99.89	988	105.77	1012	111.7	1035	117.68
26330	4400	897	87.48	923	93.4	948	99.37	972	105.38	996	111.45	1020	117.57	1043	123.73
27527	4600	906	92.58	932	98.68	957	104.84	982	111.06	1005	117.32	1029	123.64	1051	130.02
28724	4800	916	97.9	942	104.2	967	110.57	991	116.99	1014	123.46	1037	129.98	1060	136.54

Static Pressure		20.00		21.00		22.00		23.00		24.00		25.00		26.00	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5984	1000														
7181	1200														
8378	1400														
9575	1600														
10771	1800								Shaded Area =Design D						
11968	2000														
13165	2200														
14362	2400	1035	76.59												
15559	2600	1034	80.86	1060	85.57	1085	90.25	1110	95.1	1134	99.91				
16755	2800	1034	85.51	1059	90.27	1084	95.16	1109	100.04	1133	105.08	1156	110.11		
17952	3000	1034	90.37	1060	95.31	1084	100.3	1109	105.39	1133	110.48	1156	115.71		
19149	3200	1036	95.41	1061	100.57	1085	105.73	1109	110.95	1133	116.24	1156	121.56		
20346	3400	1038	100.74	1063	106	1087	111.38	1110	116.77	1134	122.21	1157	127.73		
21543	3600	1042	106.19	1066	111.7	1089	117.21	1113	122.81	1136	128.44	1158	134.1		
22739	3800	1046	111.84	1070	117.5	1093	123.27	1116	129.04	1138	134.85	1161	140.75		
23936	4000	1052	117.67	1075	123.57	1098	129.48	1120	135.46	1142	141.5				
25133	4200	1058	123.71	1081	129.76	1103	135.91	1125	142.09	1147	148.27				
26330	4400	1066	129.94	1088	136.23	1110	142.56	1131	148.89	1153	155.34				
27527	4600	1074	136.44	1096	142.9	1117	149.39	1138	155.98						
28724	4800	1082	143.15	1104	149.78	1125	156.52	1146	163.28						

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Power Rating (BHP) does not include transmission losses.

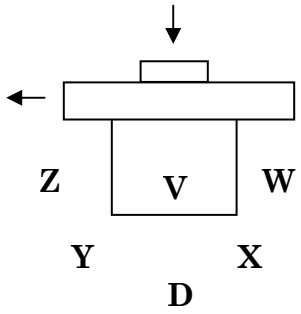
Product Coding – Centrifugal Fans

FBIX
FRBX
FRBJ

Models

122
185
270 etc.

Nominal Wheel Diameter



Motor Position or U if unknown

36 = UBD
45 = TAU
90 = THD
27 = BHD
31 = BAUD
13 = TAD (custom)
18 = DBD (custom)
22 = BAD (custom)

example
18 = 180 degrees

Discharge Angle

F R B X C – 2 9 6 – 1 W 0 3 6

Product coding for Custom fans start with C & the character X is replaced ie CFBIB

Design

A = < 8500 fpm
B = < 12500 fpm
C = < 15000 fpm
D = < 17500 fpm
E = < 21000 fpm
U= unknown

Arrangement

1 = 1
4 = 4
8 = 8
9 = 9
10 = 0

Rotation
Always viewed from the drive side

0 = clockwise
1 = counterclockwise

The Composite Fan Selector - Electronic Media that Saves time