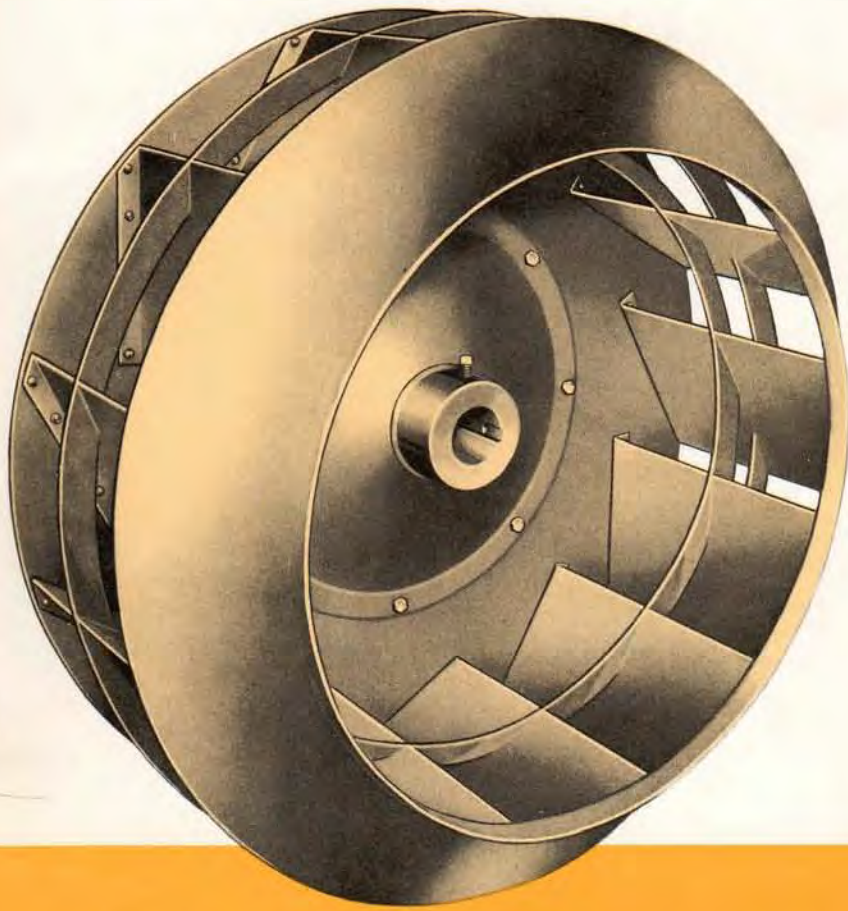


SHELDONS

Type

B



BACKWARD INCLINED
CENTRIFUGAL
FAN

CATALOG No. M343A

(Issue 12-69)



SHELDONS ENGINEERING LIMITED

Galt, Ontario; Montreal, Toronto, Hamilton, London, Ottawa, Calgary, Vancouver

Representatives in principal cities across Canada

Sheldons Manufacturing Corporation, Elgin, Illinois

SHELDONS CENTRIFUGAL FAN Type B

WHEELS

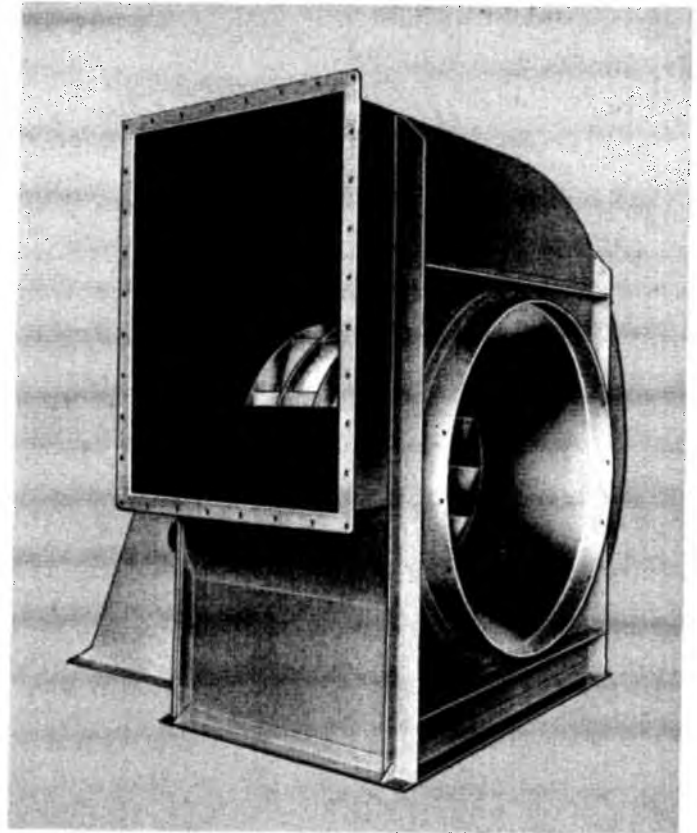
The Type "B" wheel has a spun shroud with a smoothly curving contour which is a continuation of the curve of the inlet bell. A shroud of this shape is both strong and stiff, and permits the design of very rigid wheels without excessive weight. This is particularly important on double inlet fans where unnecessarily large shaft and bearings would otherwise be required and which would offer additional obstruction to air flow at the fan inlet.

Standard practice is to weld the blades to the shroud and rivet the blade flange to the backplate. Where required for higher rotative speeds, intermediate stiffening rings are welded to the blades at heel and tip.

CASINGS

All fan casings are of welded construction and conform to standard gauges, specified for Class I and II fans. Split casings are standard on size 542 and over and may be supplied on smaller sizes. The sizes in which standard arrangements of casing are available are listed in the table of fan weights, page 56.

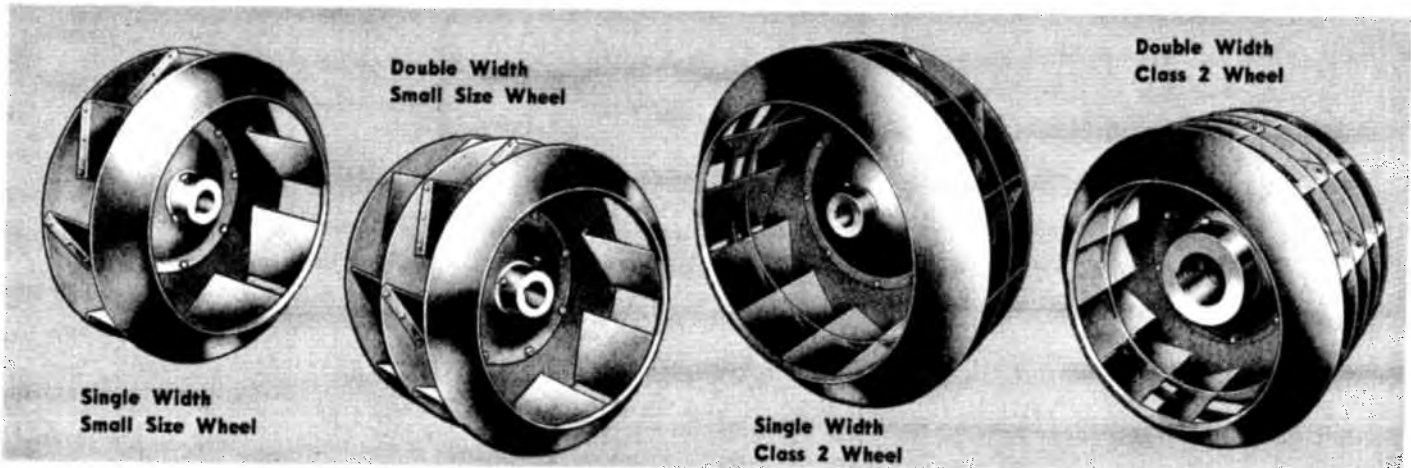
All fans are provided with an inlet collar extension to allow easy duct connections. Flanged and drilled inlets and outlets are available for applications requiring these features.

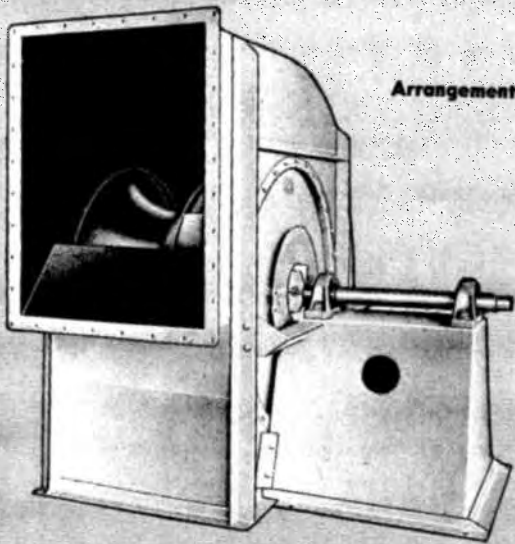


Class II fans are furnished with additional reinforcing welded to the side sheets to provide the rigidity required for heavy duty equipment.

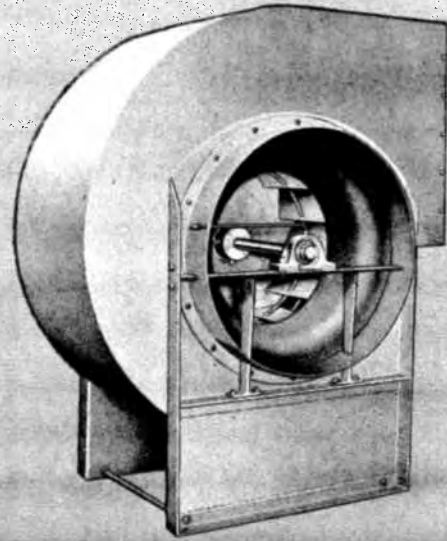
The Type "B" casing features a spun inlet bell which allows air to flow into the "eye" of the wheel with minimum shock loss. The curvature at the inlet to the wheel is the same as that of the wheel shroud so that smooth air flow into the heel of the blade is assured. No guide vanes are necessary as the angle of the blades has been designed for an open inlet.

Typical casings are illustrated in various arrangements on page 2.

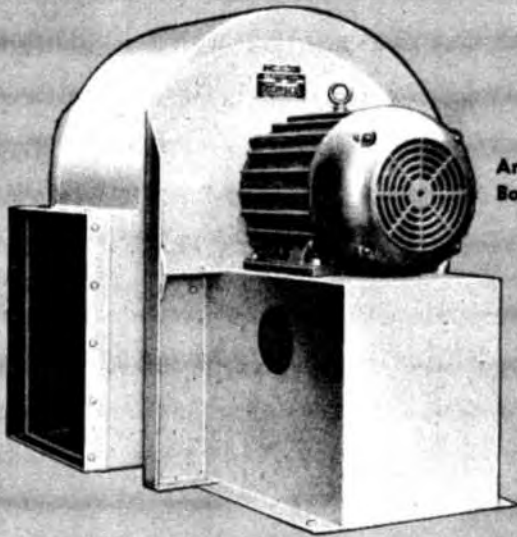




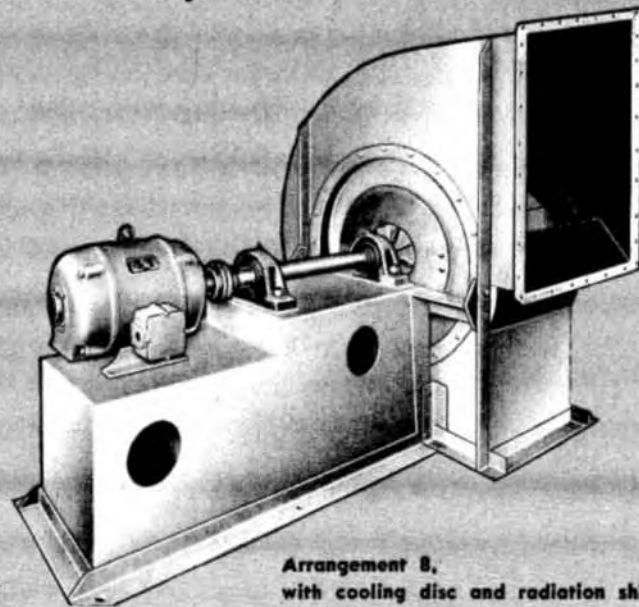
Arrangement 1



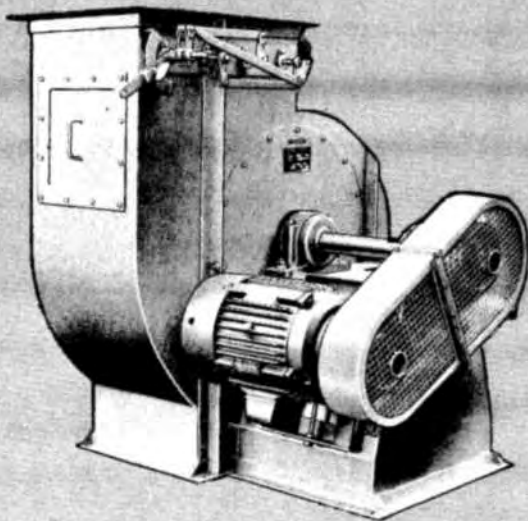
**Arrangement 3,
Single Width,**



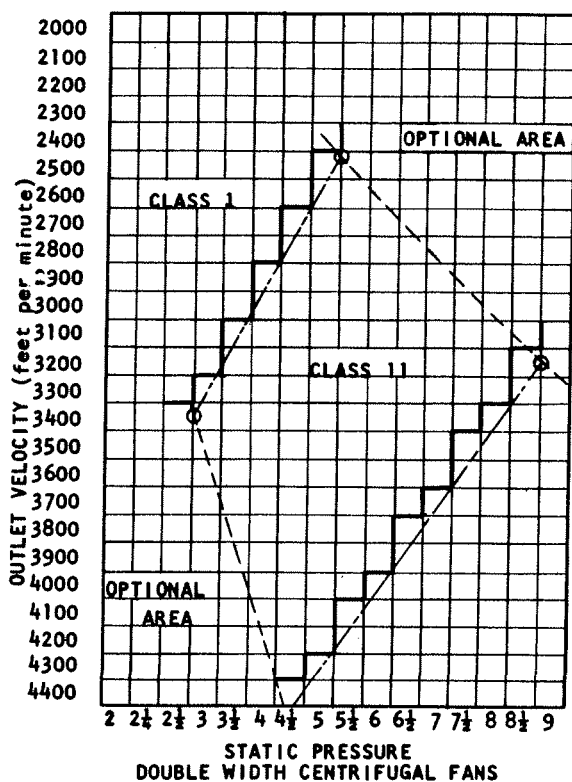
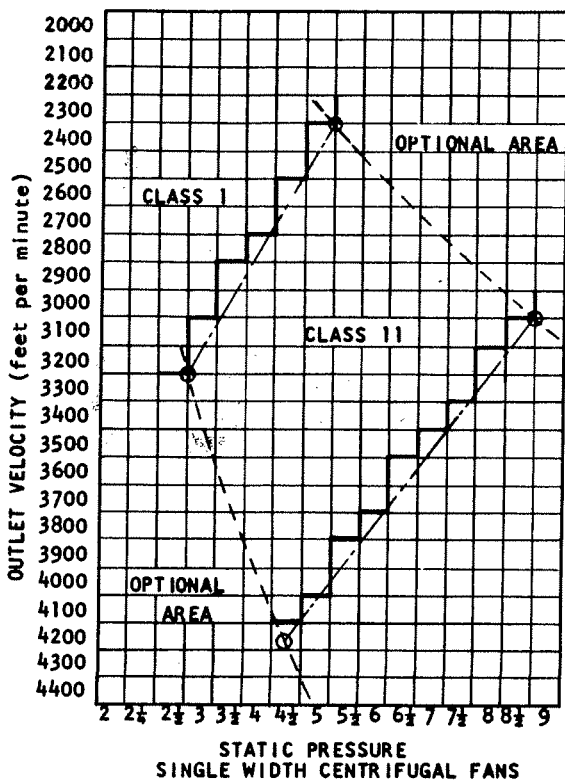
**Arrangement 4,
Bottom Horizontal Discharge.**



**Arrangement 8,
with cooling disc and radiation shield.**



**Arrangement 9,
with belt guard, access door and proportioning type dampers.**



CLASS OPERATING LIMITS IN ACCORDANCE WITH
AMCA STANDARD 2408-69

STANDARD FAN ARRANGEMENTS

ARRANGEMENT 1

The wheel is overhung on the shaft and the bearings are mounted on a heavy fabricated steel base. Illustration shows Arrangement 1 fan with cooling disc and radiation shield.

ARRANGEMENT 2

This arrangement is furnished only up to size 300 in class I single width. The bearings are supported on the fan side rather than on their own base and the wheel is overhung as in Arrangement 1.

ARRANGEMENT 3

The wheel is supported between bearings with one bearing in the fan inlet on a single width fan and a bearing in each inlet on a double width fan. Bearings are supported by a bearing bridge on each side of the fan casing. This arrangement is available in all sizes single and double width classes 1 and 2. Single width Arrangement 3 fans are provided with an external grease pipe and fitting for external lubrication of the inlet bearing.

ARRANGEMENT 4

In this case the wheel is overhung directly on the motor shaft. It is available in single width only up to size 365. A slip fit is provided for the outlet duct on the fan illustrated.

ARRANGEMENT 7

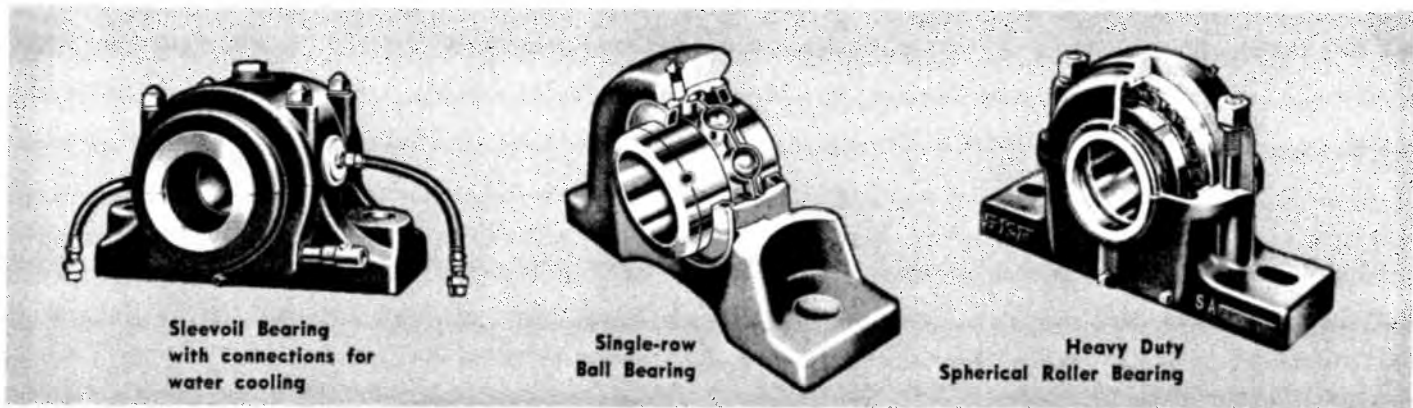
This is a modification of Arrangement 3 with a base added for the motor. As in Arrangement 3, it is available in all sizes both single and double width.

ARRANGEMENT 8

This may be used for direct connection of all sizes. The wheel is mounted on its own shaft and bearings with the base extended to suit motor or turbine drive. The motor or turbine is coupled directly to the fan shaft. This arrangement is very suitable where hot gases are to be handled.

ARRANGEMENT 9

This is a design modification of Arrangement 1 with the motor mounted on the side of the bearing pedestal and driving the fan through a short-center V-belt drive. This arrangement permits complete assembly of the fan-motor unit before shipment. Note the damper-arm arrangement for proportioning type outlet dampers on the fan illustrated.



BEARINGS and ACCESSORIES

BEARINGS—Ball bearings are standard on all arrangements of the Type B fan. These are all selected with a load factor to assure long life and reliable bearing service. Ball bearings are usually lubricated with a grease capable of operating through the temperature range encountered by ventilating fans. Special greases are available and will be furnished for both low and high temperature applications. Oil lubricated ball bearings can be supplied on request. For more severe service, heavy duty ball bearings or spherical roller bearings are available.

Dodge Sleeve bearings are provided where sleeve bearings are required. These are available in sizes $1\frac{1}{8}$ " and over. Sleeve bearings are oil lubricated and are equipped with oil reservoir, oil level gauge and drain plug. They are self-aligning and fitted with high grade babbitt liners. Special seals assure a leak-proof bearing.

The standard ball bearings supplied with Sheldon fans are suitable for temperatures up to 200°F on Arrangements 1, 2 8 and 9. On Arrangements 3 and 7 they are suitable up to 150°F. High temperature construction with the use of a cooling disc and radiation shield will permit ball bearings to be used with fan gas temperatures up to 600°F in Arrangements 1, 8 and 9.

Arrangement 4 with the fan wheel mounted on the motor shaft may be used with gas temperatures up to 200°F. Above 150°F a cooling disc should be used.

FLOATING BASES—A floating base is recommended to isolate the fan from its foundation in order to inhibit the transmission of noise and vibration. Resilient isolators are calculated to produce a low transmissibility of vibration. These are manufactured in three types:

- (1) Integral steel framework with rubber-in-shear isolation.
- (2) Steel and cork isolation using separate mounting frames for fan and motor.
- (3) Integral steel framework with spring isolation units.

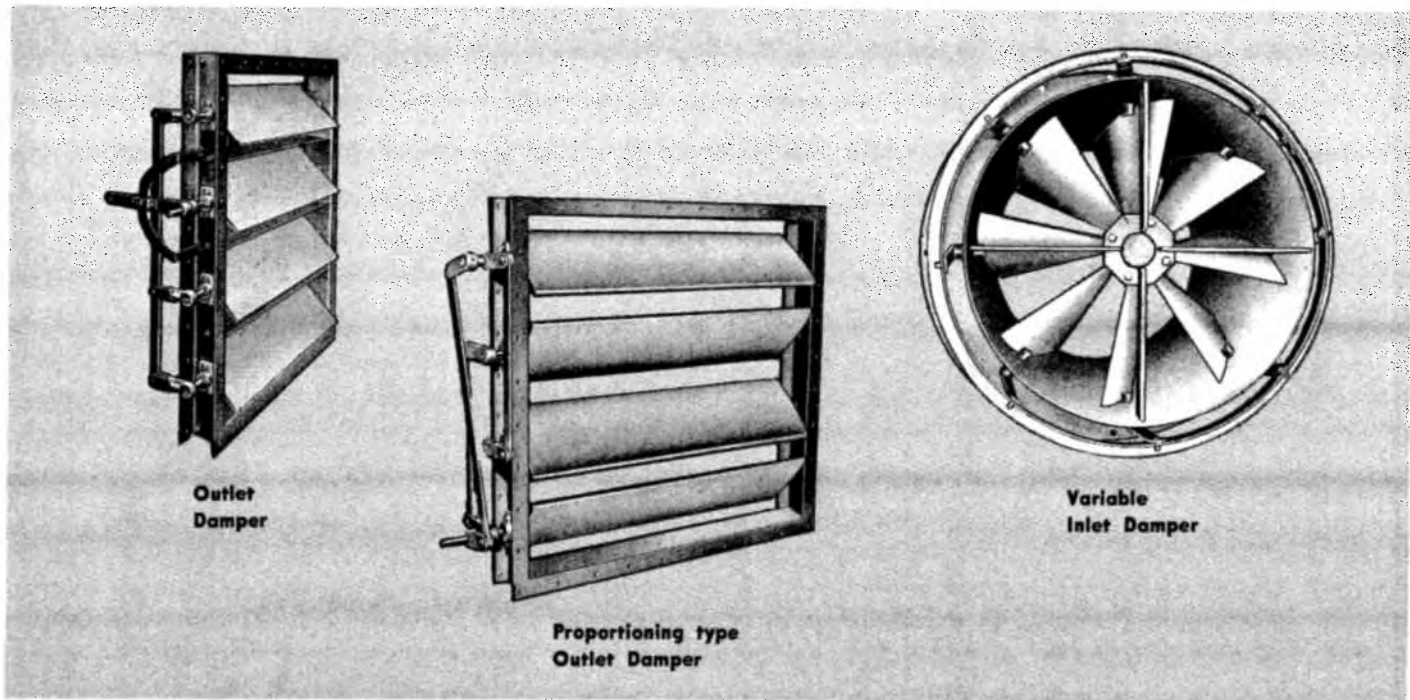
Motor positions with respect to the fan are shown on page 56.

COOLING DISCS — Cooling discs and radiation shields are used on fans handling hot gases. The cooling disc is a small cast aluminum wheel mounted between the outer case of the fan and the inboard bearing. It circulates room air and keeps the shaft and bearing cool both by conduction of heat from the shaft itself and by forced convection of the room air. The radiation shield is aluminum and gives protection from radiated heat transmitted from the fan casing. Cooling discs only may be used on fan units handling gases up to 350°F. Above this temperature both a cooling disc and radiation shield are required.

A typical cooling disc and radiation shield are shown on page 2.

ACCESS DOORS—Access doors can be provided on fans requiring periodic inspection or cleaning. An illustration on page 2 shows a bolted access door. Quick-opening doors are also available.

INLET SCREENS — Inlet screens can be used to prevent the introduction of foreign material into the fan inlet. They are also a safety measure on open inlet fans. Where a bearing is in the inlet, the inlet screen allows access for bearing lubrication.



CONTROL OF FAN CAPACITY

OUTLET DAMPERS — The usual type of outlet damper is built in a separate frame attached to the fan outlet. This damper is low in cost and for many applications gives very satisfactory control of air volume. This type of outlet damper must be partially closed before it enters a range of effective volume control. To produce adequate control over a wider range, splitters are recommended between each damper blade. This gives control similar to that achieved by proportioning type dampers.

With a change in the control linkage, proportioning type dampers can be installed instead of the conventional leaf dampers. These give excellent control over a wide range of capacities and are recommended where accurate control is required close to wide open conditions.

VARIABLE INLET DAMPERS — Variable inlet dampers have the advantage that a substantial power saving results at reduced volumes. They may be manually adjusted or automatically controlled. This type of damper finds application on ventilating fans, and on forced draft fans in power plants where the power saving may be an important cost factor.

The operating mechanism of this damper is around the periphery of the inlet and does not interfere with the air flow either at entrance to the fan or in the fan casing.

VARIABLE SPEED MOTOR—These motors can control by steps down to approximately 50% of their rated speed. They are more expensive than the standard squirrel cage motor. Outlet dampers may be used with these motors to permit control over a wider capacity range.

ADJUSTABLE PITCH SHEAVES — Adjustable pitch sheaves are available for use with fans requiring 5 hp or less.

VARIABLE PITCH motion-control sheaves may be used on the larger sizes to permit speed variation while the drive is in operation.

ELECTROMAGNETIC COUPLINGS—Electromagnetic couplings are operated by an electromagnet. These friction clutches operate as slip couplings and may be used as a safety device. They are useful at high powers.

FLUID COUPLINGS—Fluid couplings may control the speed down to approximately 30% of motor speed. The speed is infinitely variable and simple starting equipment may be used. As the starting load is applied gradually, this type of drive is very suitable for large fan installations.

SPARK - RESISTANT CONSTRUCTION

The "Standards for Spark-Resistant Fans", as adopted by the Air Moving and Conditioning Association Incorporated, Standard 401-66, are quoted below, together with a description of Sheldons spark-resistant construction.

TYPE A:—"All parts of the fan in contact with air or gas being handled shall be made of non-ferrous metal."

Construction consists of aluminum wheel, housing and inlet, with monel shaft. All other parts of standard steel construction.

TYPE B:—"Fan shall have an entirely non-ferrous

wheel and a non-ferrous ring around the opening through which the shaft passes."

Construction consists of aluminum wheel and aluminum shield where shaft passes into fan casing. All other parts of standard steel construction.

TYPE C:—"Fan shall be so constructed that a shift of the wheel or shaft will not permit two ferrous parts to rub or strike."

Construction consists of aluminum inlet and aluminum saucer or ring around shaft. All other parts to be of standard steel construction.

CORROSION RESISTANT FANS

When a fan is required to handle acid fumes, alkali vapors or some organic compounds, it is desirable to use a metal or coating which will successfully inhibit chemical reaction.

Where conditions are only mildly corrosive a protective paint may be sufficient. For more severe conditions a coating of rubber, neoprene or one of several

available plastics may be used. Rubber and neoprene are excellent up to a fan tip speed of 15,000 feet per minute and will therefore be satisfactory for all class I and II ratings.

The table below gives metals and linings suitable for fans and ducts where corrosion may be a problem.

CORROSION RESISTANT MATERIALS and LININGS

	Temp. Limit °F	Acetic Acid	Alkaline Cleaning (De-greasing)	Anodizing (Oxalic Acid)	Chromic Acid	De-carbonizing Agents	Hydrochloric Acid	Hydrofluoric Acid	Nitric Acid	Phosphoric Acid	Sulphurous Acid	Sulphuric Acid
Aluminum	350	G	F	G	F							
Galv. Steel	200		E			E						
Cast Iron	750		E				G		G			G
Monel	600	F		E			F	F			G	
Lead	250				G						G	G
Everdur	600	E	E			E	G	G		G	G	G
Stainless	1100	G	G		G				G	F	G	F
Silicon Iron	750						F		G	G		G
Hard Rubber	150			E			E					E
Neoprene	250		E		G		E		E			E
Natural Rubber	150	G			G		E	E			G	
Saran Rubber	150	G	G		G		E	G	F	E	G	G
Koroseal	150		G	E			E	G	G	G	G	G
Lithcote	150	E			E		F			F	G	G
Heresite	150	E	G	E	E		E		E	E	G	E

E: Excellent G: Good F: Fair

NOTE:

Chemical resistance decreases with a rise in temperature. For high temperatures and high acidic content, please ask for recommendations. Polyester resins, reinforced with glass cloth make an excellent protective coating against acid fumes. When applied to fan blades they have a very strong bond, and can be run at higher tip speeds than rubber coatings. For shipboard use, wheels of Monel metal or hot galvanized with zinc chromate paint are recommended.



CENTRIFUGAL FAN TYPE B

SIZE 122

SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 12 1/4"

OUTLET AREA 0.86 SQ FT

LIMIT LOAD HP = .062 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
774	900	1033	0.07	1122	0.08	1212	0.11	1292	0.13	1362	0.15	1430	0.17	1496	0.19	1621	0.24	1742	0.29	1857	0.34
817	950	1073	0.07	1157	0.09	1240	0.11	1322	0.14	1393	0.16	1458	0.18	1522	0.21	1643	0.26	1760	0.31	1873	0.36
860	1000	1111	0.08	1191	0.10	1271	0.12	1352	0.15	1424	0.17	1489	0.20	1550	0.22	1669	0.27	1782	0.32	1892	0.38
903	1050	1150	0.09	1228	0.11	1303	0.13	1379	0.16	1454	0.18	1519	0.21	1580	0.23	1694	0.29	1804	0.34	1911	0.40
946	1100	1190	0.10	1263	0.12	1338	0.14	1411	0.17	1483	0.19	1550	0.22	1611	0.25	1723	0.30	1830	0.36	1934	0.41
1032	1200	1268	0.12	1342	0.14	1409	0.17	1475	0.19	1542	0.22	1609	0.25	1672	0.28	1783	0.34	1885	0.40	1983	0.45
1118	1300	1351	0.14	1420	0.17	1482	0.19	1544	0.22	1606	0.25	1668	0.28	1730	0.31	1844	0.37	1944	0.44	2038	0.50
1204	1400	1429	0.17	1499	0.20	1560	0.22	1617	0.25	1673	0.28	1732	0.31	1790	0.34	1903	0.41	2005	0.48	2097	0.55
1290	1500	1523	0.20	1579	0.23	1639	0.26	1694	0.29	1748	0.32	1799	0.35	1854	0.38	1960	0.45	2065	0.52	2158	0.60
1376	1600	1618	0.24	1661	0.26	1718	0.29	1771	0.33	1822	0.36	1873	0.39	1921	0.42	2021	0.49	2123	0.57	2219	0.65
1462	1700	1712	0.28	1739	0.30	1796	0.33	1851	0.37	1900	0.40	1945	0.43	1995	0.47	2089	0.54	2183	0.62	2277	0.70
1548	1800	1804	0.33	1830	0.35	1879	0.38	1930	0.42	1976	0.45	2024	0.49	2065	0.52	2155	0.60	2244	0.67	2335	0.76
1634	1900	1895	0.38	1926	0.41	1960	0.43	2007	0.47	2058	0.51	2100	0.54	2145	0.58	2230	0.66	2314	0.74	2396	0.82
1720	2000	1984	0.44	2020	0.47	2038	0.48	2091	0.53	2136	0.57	2180	0.61	2222	0.64	2301	0.72	2382	0.80	2463	0.89
1806	2100	2073	0.50	2113	0.53	2134	0.55	2172	0.59	2215	0.63	2260	0.67	2300	0.71	2379	0.79	2456	0.88	2531	0.96
1892	2200	2162	0.57	2205	0.61	2229	0.63	2250	0.65	2298	0.70	2337	0.74	2381	0.79	2457	0.87	2526	0.95	2603	1.05
1978	2300	2261	0.65	2296	0.68	2323	0.71	2340	0.73	2379	0.77	2419	0.82	2459	0.86	2531	0.95	2606	1.04	2676	1.13
2064	2400	2359	0.74	2386	0.77	2417	0.80	2436	0.82	2457	0.85	2501	0.90	2536	0.94	2614	1.04	2684	1.14	2747	1.22
2150	2500	2457	0.83	2475	0.85	2509	0.89	2530	0.92	2545	0.94	2582	0.99	2620	1.04	2694	1.14	2759	1.23	2827	1.33
2236	2600	2555	0.93	2563	0.95	2601	0.99	2624	1.03	2640	1.05	2660	1.08	2702	1.13	2771	1.23	2840	1.34	2905	1.44
2408	2800	2752	1.17	2762	1.17	2781	1.21	2810	1.25	2830	1.29	2844	1.31	2859	1.34	2933	1.46	2999	1.56	3060	1.67
2580	3000	2949	1.43	2959	1.44	2963	1.45	2992	1.51	3016	1.55	3034	1.59	3047	1.61	3095	1.70	3158	1.82	3220	1.94
2752	3200	3145	1.74	3155	1.74	3165	1.75	3171	1.79	3200	1.85	3220	1.89	3236	1.93	3259	1.98	3322	2.11	3377	2.22
2924	3400	3342	2.08	3352	2.09	3362	2.09	3376	2.10	3380	2.18	3404	2.23	3423	2.27	3450	2.34	3479	2.41	3542	2.56

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1290	1500	2244	0.67	2325	0.74	2405	0.82	2560	0.97	2709	1.13	2856	1.30	2997	1.47	3132	1.64	3263	1.82	3390	2.01
1376	1600	2305	0.73	2386	0.81	2461	0.88	2610	1.04	2754	1.20	2895	1.38	3032	1.56	3165	1.74	3294	1.92	3417	2.11
1462	1700	2366	0.79	2446	0.87	2523	0.96	2667	1.12	2806	1.29	2940	1.46	3072	1.65	3201	1.84	3327	2.03	3450	2.23
1548	1800	2424	0.85	2508	0.94	2584	1.03	2725	1.20	2860	1.38	2991	1.56	3117	1.74	3242	1.94	3363	2.14	3484	2.34
1634	1900	2481	0.91	2566	1.01	2645	1.10	2787	1.29	2916	1.47	3043	1.66	3168	1.85	3286	2.04	3405	2.25	3519	2.46
1720	2000	2543	0.98	2621	1.07	2703	1.18	2848	1.38	2978	1.57	3100	1.76	3219	1.96	3338	2.16	3450	2.36	3564	2.59
1806	2100	2606	1.05	2684	1.15	2759	1.25	2908	1.47	3038	1.67	3160	1.87	3277	2.08	3388	2.28	3502	2.50	3609	2.71
1892	2200	2676	1.14	2745	1.23	2821	1.34	2967	1.56	3101	1.78	3221	1.99	3334	2.20	3446	2.42	3552	2.63	3661	2.85
1978	2300	2743	1.23	2815	1.33	2880	1.42	3022	1.64	3159	1.88	3283	2.11	3397	2.33	3502	2.55	3610	2.78	3711	3.00
2064	2400	2818	1.33	2882	1.42	2951	1.53	3084	1.75	3218	1.99	3344	2.23	3457	2.46	3566	2.70	3665	2.92	3770	3.16
2150	2500	2889	1.43	2955	1.53	3018	1.64	3144	1.85	3273	2.09	3402	2.35	3519	2.60	3625	2.84	3729	3.08	3824	3.32
2236	2600	2965	1.54	3028	1.64	3089	1.75	3212	1.97	3336	2.21	3459	2.47	3578	2.73	3688	2.99	3789	3.24	3888	3.49
2322	2700	3044	1.66	3098	1.76	3163	1.88	3281	2.10	3396	2.33	3517	2.59	3637	2.87	3748	3.14	3851	3.40	3948	3.66
2408	2800	3121	1.78	3178	1.89	3234	2.00	3347	2.23	3464	2.47	3579	2.73	3692	3.00	3807	3.29	3912	3.57	4010	3.84
2494	2900	3195	1.91	3257	2.03	3309	2.14	3423	2.38	3533	2.62	3638	2.87	3753	3.15	3864	3.44	3971	3.73	4072	4.02
2580	3000	3277	2.06	3333	2.17	3389	2.29	3495	2.53	3598	2.77	3707	3.03	3814	3.31	3920	3.59	4029	3.90	4130	4.20
2666	3100	3358	2.21	3408	2.32	3466	2.45	3565	2.68	3673	2.94	3776	3.21	3874	3.46	3983	3.76	4084	4.06	4189	4.38
2752	3200	3437	2.36	3491	2.48	3541	2.60	3644	2.85	3746	3.12	3842	3.38	3945	3.66	4043	3.94	4145	4.24	4245	4.56
2838	3300	3514	2.51	3571	2.65	3619	2.77	3723	3.04	3817	3.29	3916	3.57	4013	3.85	4107	4.12	4207	4.44	4303	4.75
2924	3400	3592	2.68	3650	2.82	3701	2.96	3800	3.22	3890	3.48	3990	3.77	4079	4.04	4177	4.34	4266	4.62	4366	4.96
3010	3500	3676	2.87	3727	3.00	3781	3.15	3875	3.41	3970	3.69	4061	3.96	4153	4.26	4245	4.55	4335	4.85		
3096	3600	3758	3.06	3805	3.18	3860	3.34	3952	3.61	4049	3.90	4131	4.16	4227	4.48	4310	4.76	4404	5.09		
3182	3700	3839	3.25	3889	3.39	3936	3.53	4035	3.83	4125	4.12	4211	4.40	4299	4.70	4386	5.01	4471	5.32		
3268	3800	3919	3.46	3971	3.61	4015	3.74	4115	4.06	4200	4.34	4291	4.65	4369	4.93	4460	5.26	4539	5.56		
3354	3900	3997	3.66	4053	3.83	4099	3.97	4194	4.29	4279	4.58	4368	4.90	4447	5.19	4532	5.51	4614	5.83		
3440	4000	4076	3.88	4133	4.05	4182	4.21	4272	4.52	4361	4.84	4444	5.15	4527	5.46	4601	5.76	4688	6.11		

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE 135
SINGLE WIDTH
SINGLE INLET

CENTRIFUGAL FAN TYPE B

WHEEL DIA. 13 1/2"

OUTLET AREA 1.04 SQ FT

LIMIT LOAD HP = .102 (RPM / 1,000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
936	900	935	0.08	1016	0.10	1098	0.13	1170	0.16	1234	0.18	1296	0.21	1355	0.24	1469	0.29	1579	0.35	1684	0.42
988	950	970	0.09	1047	0.11	1123	0.14	1198	0.17	1262	0.19	1321	0.22	1379	0.25	1489	0.31	1596	0.37	1699	0.44
1040	1000	1005	0.10	1078	0.12	1151	0.15	1224	0.18	1290	0.21	1349	0.24	1404	0.27	1512	0.33	1615	0.39	1715	0.46
1092	1050	1040	0.11	1111	0.13	1180	0.16	1250	0.19	1317	0.22	1376	0.25	1431	0.28	1535	0.34	1635	0.41	1732	0.48
1144	1100	1077	0.12	1143	0.14	1211	0.17	1277	0.20	1344	0.23	1404	0.27	1459	0.30	1561	0.36	1659	0.43	1753	0.50
1248	1200	1147	0.14	1214	0.17	1275	0.20	1336	0.23	1397	0.26	1457	0.30	1514	0.34	1615	0.41	1708	0.48	1797	0.55
1352	1300	1222	0.17	1284	0.20	1341	0.23	1398	0.26	1454	0.30	1511	0.33	1567	0.37	1670	0.45	1761	0.53	1846	0.60
1456	1400	1293	0.20	1356	0.24	1412	0.27	1463	0.30	1515	0.34	1568	0.37	1621	0.41	1724	0.50	1816	0.58	1900	0.66
1560	1500	1377	0.24	1428	0.27	1482	0.31	1533	0.34	1582	0.38	1629	0.42	1678	0.46	1775	0.54	1870	0.63	1954	0.72
1664	1600	1462	0.29	1502	0.32	1554	0.35	1602	0.39	1648	0.43	1695	0.47	1739	0.51	1831	0.59	1923	0.69	2010	0.79
1768	1700	1547	0.34	1573	0.36	1624	0.40	1674	0.45	1719	0.49	1759	0.52	1805	0.57	1891	0.65	1977	0.75	2063	0.85
1872	1800	1630	0.40	1654	0.42	1700	0.46	1746	0.50	1787	0.54	1832	0.59	1869	0.63	1951	0.72	2031	0.81	2114	0.92
1976	1900	1713	0.46	1740	0.49	1772	0.52	1815	0.56	1861	0.61	1900	0.65	1941	0.70	2018	0.79	2094	0.89	2170	0.99
2080	2000	1794	0.53	1825	0.56	1842	0.58	1891	0.63	1932	0.68	1972	0.73	2010	0.78	2082	0.87	2156	0.97	2230	1.07
2184	2100	1874	0.60	1910	0.64	1929	0.67	1964	0.71	2003	0.75	2045	0.81	2080	0.86	2153	0.96	2223	1.06	2291	1.16
2288	2200	1954	0.68	1993	0.73	2015	0.76	2035	0.78	2078	0.84	2114	0.89	2154	0.95	2223	1.05	2287	1.15	2356	1.26
2392	2300	2042	0.78	2076	0.82	2100	0.85	2115	0.88	2151	0.93	2187	0.98	2224	1.04	2290	1.14	2358	1.26	2422	1.37
2496	2400	2131	0.88	2157	0.92	2184	0.96	2201	0.99	2222	1.02	2262	1.08	2294	1.13	2364	1.25	2428	1.37	2485	1.47
2600	2500	2220	1.00	2237	1.02	2268	1.07	2287	1.11	2300	1.13	2335	1.19	2370	1.25	2437	1.37	2496	1.48	2558	1.60
2704	2600	2309	1.12	2317	1.14	2351	1.19	2372	1.23	2386	1.26	2406	1.30	2443	1.36	2507	1.48	2568	1.61	2628	1.73
2912	2800	2487	1.40	2497	1.40	2514	1.45	2540	1.51	2557	1.54	2570	1.57	2586	1.61	2653	1.75	2713	1.88	2768	2.02
3120	3000	2664	1.72	2667	1.72	2673	1.75	2705	1.81	2726	1.86	2742	1.90	2754	1.94	2799	2.05	2855	2.19	2913	2.33
3328	3200	2842	2.08	2852	2.09	2862	2.09	2876	2.15	2892	2.22	2911	2.27	2925	2.31	2945	2.38	3004	2.53	3053	2.68
3536	3400	3019	2.50	3029	2.50	3039	2.51	3045	2.53	3055	2.61	3077	2.68	3094	2.73	3118	2.81	3147	2.90	3203	3.08

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1560	1500	2033	0.81	2107	0.90	2179	0.99	2319	1.17	2456	1.37	2589	1.57	2718	1.78	2839	1.99	2960	2.21	3075	2.44
1664	1600	2087	0.88	2161	0.98	2230	1.07	2366	1.26	2496	1.46	2624	1.67	2749	1.88	2870	2.10	2987	2.33	3099	2.56
1768	1700	2143	0.95	2215	1.05	2285	1.15	2417	1.35	2543	1.56	2665	1.77	2784	1.99	2902	2.22	3016	2.45	3128	2.69
1872	1800	2196	1.03	2271	1.13	2340	1.24	2468	1.45	2591	1.66	2711	1.88	2825	2.11	2938	2.35	3049	2.59	3159	2.83
1976	1900	2246	1.10	2324	1.22	2396	1.33	2524	1.56	2642	1.78	2757	2.00	2871	2.23	2979	2.47	3087	2.72	3191	2.98
2080	2000	2303	1.18	2375	1.30	2445	1.42	2580	1.66	2698	1.90	2809	2.13	2916	2.36	3025	2.61	3127	2.86	3230	3.13
2184	2100	2359	1.27	2431	1.39	2499	1.51	2634	1.77	2751	2.02	2862	2.26	2969	2.51	3069	2.75	3174	3.02	3270	3.27
2288	2200	2422	1.37	2485	1.49	2555	1.61	2687	1.88	2809	2.15	2918	2.40	3020	2.66	3122	2.92	3218	3.17	3318	3.45
2392	2300	2483	1.48	2549	1.60	2609	1.72	2737	1.99	2862	2.27	2973	2.55	3077	2.82	3172	3.08	3271	3.36	3362	3.62
2496	2400	2550	1.60	2609	1.72	2671	1.84	2793	2.11	2915	2.40	3029	2.69	3131	2.97	3230	3.26	3320	3.53	3415	3.82
2600	2500	2615	1.72	2675	1.85	2732	1.97	2847	2.24	2964	2.52	3081	2.83	3188	3.14	3284	3.43	3378	3.72	3465	4.01
2704	2600	2682	1.85	2741	1.98	2795	2.11	2908	2.38	3021	2.67	3133	2.98	3241	3.30	3340	3.61	3432	3.91	3522	4.22
2808	2700	2754	2.00	2804	2.12	2862	2.26	2970	2.53	3075	2.82	3184	3.13	3294	3.46	3395	3.79	3488	4.11	3577	4.43
2912	2800	2824	2.15	2875	2.28	2927	2.41	3029	2.69	3135	2.98	3241	3.30	3344	3.62	3448	3.97	3544	4.31	3632	4.64
3016	2900	2891	2.30	2947	2.45	2993	2.57	3097	2.87	3198	3.16	3295	3.46	3398	3.80	3500	4.15	3596	4.50	3688	4.86
3120	3000	2964	2.47	3015	2.62	3066	2.76	3163	3.05	3258	3.34	3356	3.66	3454	3.99	3549	4.33	3649	4.71	3741	5.07
3224	3100	3037	2.65	3082	2.79	3136	2.95	3227	3.23	3324	3.54	3419	3.87	3507	4.18	3607	4.54	3700	4.90	3794	5.29
3328	3200	3109	2.84	3157	2.99	3204	3.14	3296	3.43	3390	3.76	3479	4.07	3571	4.41	3661	4.75	3754	5.12	3845	5.51
3432	3300	3179	3.03	3230	3.19	3274	3.34	3368	3.66	3455	3.97	3543	4.30	3633	4.64	3717	4.97	3810	5.35	3896	5.73
3536	3400	3248	3.22	3302	3.40	3348	3.56	3438	3.88	3519	4.18	3611	4.54	3693	4.87	3781	5.23	3863	5.58	3953	5.98
3640	3500	3324	3.45	3371	3.61	3421	3.79	3506	4.11	3592	4.44	3676	4.78	3758	5.13	3843	5.49	3924	5.85		
3744	3600	3399	3.68	3440	3.83	3492	4.02	3575	4.35	3663	4.70	3739	5.02	3826	5.40	3902	5.75	3987	6.13		
3848	3700	3472	3.91	3517	4.08	3561	4.25	3649	4.61	3733	4.97	3810	5.30	3891	5.67	3969	6.04	4048	6.42		
3952	3800	3545	4.16	3592	4.34	3631	4.50	3722	4.89	3800	5.23	3882	5.60	3954	5.94	4036	6.34	4107	6.70		
4056	3900	3615	4.40	3665	4.60	3707	4.78	3794	5.16	3870	5.51	3952	5.90	4023	6.25	4101	6.64	4176	7.03		
4160	4000	3685	4.66	3738	4.88	3782	5.07	3864	5.44	3944	5.83	4021	6.20	4095	6.58	4165	6.94	4243	7.36		

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 150
SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 15"

OUTLET AREA 1.28 SQ FT

LIMIT LOAD HP = .172 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1152	900	840	0.10	912	0.12	987	0.16	1052	0.19	1109	0.22	1165	0.26	1219	0.29	1321	0.36	1421	0.44	1515	0.51
1216	950	872	0.11	941	0.14	1009	0.17	1077	0.20	1134	0.24	1188	0.27	1239	0.31	1339	0.38	1435	0.46	1528	0.54
1280	1000	903	0.12	968	0.15	1035	0.18	1100	0.22	1159	0.26	1212	0.29	1263	0.33	1360	0.40	1453	0.48	1543	0.56
1344	1050	934	0.13	998	0.16	1060	0.20	1123	0.23	1184	0.27	1237	0.31	1286	0.35	1380	0.42	1471	0.50	1557	0.59
1408	1100	967	0.14	1027	0.18	1088	0.21	1148	0.25	1208	0.29	1262	0.33	1311	0.37	1404	0.45	1492	0.53	1576	0.62
1536	1200	1030	0.17	1090	0.21	1145	0.25	1200	0.28	1255	0.32	1310	0.37	1361	0.41	1452	0.50	1535	0.59	1616	0.68
1664	1300	1097	0.21	1153	0.25	1204	0.28	1255	0.32	1306	0.37	1357	0.41	1408	0.46	1501	0.55	1583	0.65	1660	0.74
1792	1400	1161	0.25	1218	0.29	1268	0.33	1315	0.37	1361	0.41	1408	0.46	1456	0.51	1549	0.61	1632	0.71	1707	0.81
1920	1500	1236	0.30	1282	0.33	1331	0.38	1377	0.42	1421	0.47	1464	0.51	1508	0.56	1595	0.67	1681	0.78	1756	0.89
2048	1600	1312	0.35	1349	0.39	1396	0.44	1439	0.48	1480	0.53	1523	0.58	1563	0.63	1645	0.73	1728	0.85	1806	0.97
2176	1700	1388	0.42	1413	0.44	1458	0.48	1503	0.55	1544	0.60	1580	0.64	1622	0.70	1699	0.80	1776	0.92	1854	1.04
2304	1800	1463	0.49	1484	0.51	1526	0.56	1568	0.62	1605	0.67	1645	0.72	1679	0.77	1753	0.88	1825	1.00	1900	1.12
2432	1900	1537	0.56	1562	0.60	1591	0.64	1630	0.69	1671	0.75	1707	0.80	1743	0.86	1813	0.97	1882	1.09	1950	1.22
2560	2000	1610	0.65	1638	0.69	1654	0.71	1698	0.78	1735	0.83	1771	0.89	1805	0.95	1871	1.07	1936	1.19	2003	1.32
2688	2100	1682	0.74	1714	0.79	1731	0.81	1763	0.87	1798	0.93	1836	0.99	1868	1.05	1933	1.17	1997	1.30	2058	1.43
2816	2200	1753	0.83	1789	0.89	1808	0.98	1827	0.96	1866	1.03	1899	1.09	1934	1.16	1996	1.29	2054	1.41	2116	1.55
2944	2300	1833	0.95	1863	1.00	1884	1.05	1898	1.08	1931	1.14	1964	1.20	1998	1.27	2057	1.40	2117	1.54	2175	1.68
3072	2400	1912	1.08	1936	1.13	1960	1.18	1975	1.21	1995	1.25	2031	1.33	2059	1.39	2123	1.54	2181	1.68	2232	1.81
3200	2500	1992	1.22	2008	1.25	2035	1.31	2052	1.35	2064	1.38	2096	1.46	2127	1.53	2188	1.68	2242	1.82	2297	1.97
3328	2600	2072	1.37	2079	1.39	2110	1.46	2129	1.51	2141	1.54	2160	1.59	2194	1.67	2251	1.82	2306	1.97	2360	2.13
3584	2800	2231	1.71	2241	1.71	2256	1.78	2279	1.84	2295	1.89	2307	1.93	2322	1.97	2382	2.15	2436	2.31	2485	2.47
3840	3000	2390	2.10	2395	2.11	2399	2.14	2427	2.22	2446	2.28	2460	2.33	2471	2.37	2513	2.51	2564	2.68	2616	2.86
4096	3200	2550	2.55	2560	2.55	2570	2.56	2583	2.64	2595	2.72	2612	2.78	2625	2.83	2643	2.91	2697	3.11	2741	3.27
4352	3400	2709	3.05	2719	3.06	2729	3.07	2735	3.10	2742	3.20	2762	3.28	2777	3.34	2798	3.44	2825	3.56	2876	3.78

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1920	1500	1827	1.00	1894	1.11	1958	1.21	2085	1.44	2208	1.68	2329	1.93	2445	2.19	2554	2.45	2663	2.72	2766	3.00
2048	1600	1876	1.08	1942	1.20	2005	1.31	2127	1.55	2245	1.79	2359	2.05	2473	2.32	2582	2.59	2687	2.87	2788	3.15
2176	1700	1926	1.17	1991	1.29	2054	1.42	2172	1.66	2286	1.92	2396	2.18	2503	2.45	2611	2.74	2713	3.02	2814	3.32
2304	1800	1974	1.26	2042	1.40	2103	1.53	2218	1.78	2329	2.05	2437	2.32	2541	2.59	2642	2.89	2743	3.19	2841	3.48
2432	1900	2019	1.35	2089	1.50	2153	1.64	2269	1.91	2375	2.18	2478	2.46	2581	2.75	2679	3.04	2776	3.35	2870	3.66
2560	2000	2069	1.45	2134	1.59	2201	1.75	2318	2.04	2425	2.33	2525	2.62	2621	2.91	2720	3.21	2812	3.52	2905	3.85
2688	2100	2120	1.56	2185	1.71	2246	1.86	2368	2.18	2473	2.48	2573	2.78	2669	3.09	2759	3.39	2853	3.71	2941	4.03
2816	2200	2176	1.69	2232	1.82	2296	1.98	2415	2.31	2524	2.64	2623	2.96	2714	3.27	2807	3.59	2893	3.90	2983	4.25
2944	2300	2230	1.82	2290	1.97	2344	2.11	2461	2.44	2572	2.79	2672	3.13	2766	3.46	2851	3.79	2941	4.13	3023	4.48
3072	2400	2291	1.96	2344	2.11	2400	2.27	2510	2.59	2620	2.95	2722	3.31	2814	3.65	2903	4.00	2985	4.34	3070	4.70
3200	2500	2349	2.11	2402	2.27	2455	2.42	2559	2.75	2665	3.10	2770	3.48	2865	3.86	2952	4.22	3036	4.58	3115	4.93
3328	2600	2408	2.27	2462	2.43	2511	2.59	2612	2.92	2715	3.28	2816	3.66	2913	4.05	3002	4.44	3085	4.81	3166	5.19
3456	2700	2473	2.45	2519	2.60	2571	2.78	2668	3.11	2764	3.46	2862	3.84	2961	4.26	3051	4.66	3135	5.05	3215	5.44
3584	2800	2536	2.64	2582	2.80	2629	2.96	2722	3.30	2817	3.66	2913	4.05	3008	4.46	3099	4.88	3185	5.30	3264	5.70
3712	2900	2596	2.83	2646	3.00	2688	3.16	2782	3.52	2873	3.89	2961	4.28	3054	4.67	3146	5.10	3232	5.54	3315	5.97
3840	3000	2662	3.03	2708	3.21	2753	3.38	2842	3.74	2927	4.11	3015	4.49	3104	4.91	3190	5.32	3280	5.79	3363	6.23
3968	3100	2727	3.26	2768	3.42	2816	3.61	2899	3.96	2985	4.35	3071	4.75	3152	5.13	3241	5.58	3325	6.03	3410	6.50
4096	3200	2792	3.48	2835	3.66	2878	3.85	2960	4.21	3046	4.61	3125	5.00	3208	5.41	3290	5.84	3373	6.29	3456	6.77
4224	3300	2854	3.71	2901	3.91	2939	4.09	3025	4.49	3104	4.87	3183	5.28	3264	5.70	3339	6.11	3424	6.56	3501	7.04
4352	3400	2916	3.95	2965	4.17	3006	4.37	3088	4.76	3160	5.13	3243	5.57	3318	5.98	3397	6.43	3472	6.86	3553	7.35
4480	3500	2985	4.22	3027	4.43	3071	4.65	3149	5.04	3226	5.45	3302	5.87	3376	6.29	3453	6.74	3525	7.18	---	---
4608	3600	3052	4.51	3089	4.69	3135	4.93	3210	5.33	3290	5.77	3359	6.17	3436	6.63	3506	7.06	3582	7.53	---	---
4736	3700	3118	4.80	3157	5.00	3198	5.22	3277	5.66	3352	6.09	3421	6.50	3495	6.96	3565	7.41	3637	7.88	---	---
4864	3800	3183	5.10	3225	5.32	3259	5.51	3343	5.99	3413	6.42	3486	6.87	3552	7.30	3626	7.78	3690	8.23	---	---
4992	3900	3246	5.40	3291	5.65	3328	5.86	3407	6.33	3475	6.76	3548	7.24	3613	7.66	3684	8.15	3751	8.63	---	---
5120	4000	3309	5.71	3356	5.98	3385	6.21	3470	6.67	3542	7.14	3611	7.61	3678	8.07	3741	8.52	3811	9.04	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE 165

SINGLE WIDTH
SINGLE INLET

CENTRIFUGAL FAN TYPE B

WHEEL DIA. 16 1/2"

OUTLET AREA 1.56 SQ FT

LIMIT LOAD HP = .278 (RPM / 1,000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1404	900	767	0.12	833	0.15	900	0.19	959	0.23	1011	0.27	1062	0.31	1110	0.35	1203	0.44	1293	0.53	1379	0.62
1482	950	796	0.13	859	0.17	921	0.21	982	0.25	1034	0.29	1082	0.33	1130	0.38	1220	0.46	1306	0.56	1391	0.65
1560	1000	825	0.15	884	0.18	944	0.22	1003	0.27	1057	0.31	1106	0.36	1151	0.40	1239	0.49	1323	0.59	1404	0.69
1638	1050	854	0.16	912	0.20	967	0.24	1024	0.28	1079	0.33	1128	0.38	1173	0.43	1258	0.52	1339	0.61	1418	0.72
1716	1100	884	0.18	938	0.22	993	0.26	1047	0.30	1101	0.35	1151	0.40	1196	0.45	1279	0.55	1359	0.65	1436	0.75
1872	1200	941	0.21	996	0.26	1046	0.30	1095	0.35	1145	0.40	1194	0.45	1241	0.50	1324	0.61	1399	0.72	1472	0.82
2028	1300	1003	0.26	1054	0.30	1100	0.35	1147	0.40	1192	0.45	1238	0.50	1284	0.56	1369	0.68	1443	0.79	1513	0.91
2184	1400	1061	0.30	1113	0.35	1158	0.40	1200	0.45	1242	0.51	1286	0.56	1328	0.62	1413	0.75	1488	0.87	1557	0.99
2340	1500	1131	0.37	1172	0.41	1216	0.47	1258	0.52	1297	0.57	1336	0.63	1376	0.69	1455	0.81	1533	0.95	1602	1.09
2496	1600	1201	0.44	1233	0.48	1276	0.53	1314	0.59	1352	0.65	1391	0.71	1426	0.77	1501	0.89	1576	1.03	1647	1.18
2652	1700	1271	0.52	1291	0.55	1333	0.61	1374	0.67	1410	0.73	1444	0.79	1481	0.85	1550	0.98	1620	1.12	1690	1.28
2808	1800	1339	0.60	1359	0.63	1395	0.69	1433	0.76	1467	0.82	1503	0.89	1533	0.94	1600	1.08	1666	1.22	1733	1.38
2964	1900	1407	0.70	1429	0.74	1455	0.78	1490	0.85	1527	0.92	1559	0.98	1593	1.05	1655	1.19	1718	1.34	1779	1.49
3120	2000	1473	0.80	1499	0.85	1513	0.88	1552	0.96	1585	1.02	1619	1.10	1649	1.17	1708	1.31	1768	1.46	1829	1.61
3276	2100	1538	0.91	1568	0.97	1584	1.01	1612	1.07	1644	1.14	1678	1.22	1707	1.29	1766	1.44	1823	1.59	1879	1.75
3432	2200	1605	1.03	1637	1.10	1655	1.14	1670	1.17	1706	1.27	1735	1.34	1767	1.43	1824	1.58	1876	1.73	1932	1.90
3588	2300	1678	1.17	1705	1.24	1725	1.29	1737	1.33	1766	1.40	1796	1.48	1825	1.56	1879	1.72	1935	1.89	1986	2.06
3744	2400	1751	1.33	1771	1.39	1794	1.45	1808	1.49	1824	1.54	1857	1.63	1883	1.71	1940	1.89	1992	2.06	2039	2.22
3900	2500	1824	1.51	1837	1.55	1863	1.62	1878	1.67	1889	1.71	1916	1.79	1945	1.88	2000	2.06	2048	2.23	2099	2.41
4056	2600	1897	1.69	1902	1.72	1931	1.80	1948	1.86	1960	1.90	1974	1.95	2006	2.06	2057	2.24	2108	2.43	2156	2.61
4368	2800	2043	2.11	2053	2.12	2064	2.20	2086	2.28	2101	2.33	2111	2.38	2122	2.43	2178	2.64	2226	2.84	2272	3.04
4680	3000	2189	2.60	2193	2.60	2195	2.64	2221	2.74	2239	2.82	2252	2.88	2262	2.93	2298	3.09	2344	3.30	2390	3.52
4992	3200	2335	3.15	2345	3.16	2355	3.17	2364	3.25	2375	3.35	2391	3.43	2402	3.49	2419	3.59	2466	3.82	2507	4.04
5304	3400	2481	3.78	2491	3.78	2501	3.79	2504	3.82	2509	3.94	2527	4.04	2541	4.12	2561	4.24	2583	4.38	2629	4.64

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2340	1500	1666	1.22	1726	1.35	1785	1.48	1900	1.76	2011	2.05	2120	2.36	2225	2.66	2325	2.98	2423	3.31	2517	3.65
2496	1600	1711	1.32	1771	1.46	1827	1.60	1938	1.89	2044	2.18	2149	2.50	2251	2.83	2350	3.15	2445	3.48	2536	3.83
2652	1700	1756	1.43	1816	1.58	1873	1.73	1980	2.03	2083	2.34	2182	2.65	2280	2.99	2377	3.33	2470	3.68	2561	4.04
2808	1800	1800	1.54	1862	1.70	1918	1.86	2023	2.18	2123	2.50	2221	2.82	2314	3.16	2406	3.52	2497	3.88	2587	4.25
2964	1900	1842	1.65	1905	1.83	1963	2.00	2069	2.34	2164	2.67	2259	3.00	2352	3.35	2440	3.70	2528	4.08	2613	4.46
3120	2000	1888	1.78	1946	1.95	2007	2.14	2114	2.50	2211	2.85	2302	3.20	2389	3.55	2478	3.92	2561	4.29	2646	4.68
3276	2100	1935	1.91	1993	2.09	2048	2.27	2159	2.66	2255	3.03	2346	3.40	2433	3.77	2515	4.14	2600	4.53	2679	4.91
3432	2200	1986	2.07	2038	2.23	2094	2.43	2202	2.82	2302	3.22	2391	3.61	2475	3.99	2558	4.38	2637	4.76	2718	5.18
3588	2300	2037	2.23	2090	2.41	2138	2.58	2243	2.98	2345	3.41	2437	3.82	2522	4.23	2600	4.62	2680	5.04	2755	5.44
3744	2400	2092	2.41	2139	2.58	2191	2.77	2290	3.17	2389	3.60	2482	4.04	2566	4.46	2647	4.89	2721	5.30	2799	5.73
3900	2500	2145	2.59	2194	2.78	2241	2.97	2334	3.36	2430	3.79	2526	4.26	2613	4.71	2691	5.15	2768	5.59	2839	6.02
4056	2600	2201	2.79	2248	2.98	2293	3.18	2385	3.58	2477	4.01	2568	4.47	2656	4.95	2738	5.42	2813	5.88	2886	6.34
4212	2700	2260	3.01	2300	3.19	2348	3.40	2435	3.81	2521	4.23	2611	4.70	2700	5.20	2782	5.69	2859	6.17	2931	6.65
4368	2800	2317	3.24	2359	3.43	2401	3.63	2485	4.05	2571	4.49	2657	4.95	2741	5.44	2826	5.96	2904	6.47	2977	6.97
4524	2900	2372	3.47	2418	3.68	2456	3.88	2541	4.32	2622	4.76	2701	5.20	2786	5.71	2868	6.23	2948	6.76	3023	7.29
4680	3000	2433	3.73	2474	3.94	2516	4.16	2595	4.59	2671	5.03	2752	5.50	2832	6.00	2910	6.51	2991	7.07	3068	7.61
4836	3100	2493	4.00	2530	4.20	2573	4.44	2647	4.86	2726	5.34	2803	5.81	2876	6.28	2957	6.83	3032	7.36	3110	7.94
4992	3200	2551	4.28	2591	4.50	2629	4.72	2705	5.17	2781	5.65	2852	6.12	2929	6.63	3001	7.14	3077	7.70	3152	8.27
5148	3300	2608	4.56	2651	4.81	2687	5.03	2764	5.51	2834	5.97	2907	6.47	2979	6.98	3049	7.48	3123	8.04	3194	8.61
5304	3400	2666	4.86	2709	5.12	2748	5.37	2821	5.85	2888	6.30	2962	6.83	3028	7.33	3101	7.87	3167	8.39	3241	8.99
5460	3500	2729	5.20	2766	5.44	2807	5.71	2877	6.19	2947	6.69	3015	7.19	3083	7.72	3151	8.26	3218	8.80	---	---
5616	3600	2790	5.55	2824	5.78	2865	6.06	2934	6.55	3006	7.08	3068	7.55	3138	8.12	3200	8.64	3270	9.23	---	---
5772	3700	2850	5.90	2887	6.16	2922	6.41	2995	6.95	3062	7.48	3126	7.99	3191	8.53	3256	9.09	3319	9.65	---	---
5928	3800	2909	6.27	2948	6.54	2980	6.79	3055	7.36	3118	7.88	3185	8.43	3243	8.94	3311	9.54	3369	10.0	---	---
6084	3900	2967	6.64	3008	6.94	3043	7.21	3114	7.78	3176	8.31	3243	8.88	3301	9.41	3364	9.99	3425	10.5	---	---
6240	4000	3026	7.03	3068	7.35	3104	7.64	3171	8.20	3237	8.78	3299	9.34	3360	9.91	3416	10.4	3480	11.0	---	---

Performance based on air at .075 lb per cu ft density (70°F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 182

SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 18 1/4"

OUTLET AREA 1.90 SQ FT

LIMIT LOAD HP = .52 (RPM / 1,000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1710	900	612	0.12	675	0.15	730	0.19	780	0.23	826	0.27	870	0.31	910	0.35	991	0.43	1071	0.52	1149	0.61
1805	950	630	0.13	693	0.17	748	0.21	797	0.25	842	0.29	885	0.33	926	0.37	1003	0.46	1080	0.55	1155	0.64
1900	1000	647	0.14	712	0.18	766	0.22	814	0.26	859	0.31	901	0.35	941	0.39	1016	0.49	1088	0.58	1161	0.67
1995	1050	664	0.15	731	0.20	784	0.24	832	0.28	876	0.33	918	0.37	957	0.42	1032	0.51	1102	0.61	1170	0.71
2090	1100	681	0.16	749	0.21	801	0.26	850	0.30	894	0.35	934	0.39	974	0.44	1047	0.54	1114	0.64	1181	0.74
2280	1200	718	0.19	784	0.25	840	0.30	886	0.35	929	0.40	969	0.44	1007	0.50	1078	0.60	1145	0.71	1207	0.82
2470	1300	757	0.22	818	0.28	876	0.34	923	0.39	965	0.45	1005	0.50	1042	0.55	1112	0.66	1177	0.78	1238	0.89
2660	1400	802	0.26	852	0.32	910	0.39	960	0.45	1002	0.50	1041	0.56	1078	0.62	1147	0.73	1210	0.86	1270	0.98
2850	1500	845	0.31	891	0.37	944	0.43	995	0.50	1039	0.57	1077	0.63	1114	0.69	1182	0.81	1245	0.94	1303	1.07
3040	1600	897	0.37	931	0.42	979	0.48	1030	0.56	1075	0.63	1115	0.70	1150	0.76	1217	0.89	1278	1.02	1337	1.16
3230	1700	949	0.43	976	0.48	1016	0.54	1064	0.62	1110	0.70	1152	0.77	1188	0.85	1254	0.98	1315	1.12	1371	1.26
3420	1800	1000	0.50	1019	0.54	1053	0.60	1098	0.68	1143	0.77	1186	0.85	1225	0.93	1290	1.08	1351	1.22	1408	1.37
3610	1900	1050	0.58	1067	0.62	1099	0.68	1136	0.76	1179	0.84	1221	0.93	1259	1.02	1329	1.18	1386	1.33	1442	1.49
3800	2000	1100	0.66	1120	0.71	1143	0.77	1173	0.84	1213	0.92	1255	1.02	1294	1.11	1365	1.29	1424	1.45	1479	1.61
3990	2100	1149	0.75	1171	0.81	1186	0.85	1217	0.93	1251	1.02	1289	1.11	1328	1.20	1400	1.40	1462	1.58	1515	1.74
4180	2200	1197	0.84	1222	0.91	1236	0.96	1262	1.03	1288	1.11	1326	1.21	1363	1.31	1435	1.51	1499	1.71	1554	1.89
4370	2300	1249	0.96	1273	1.03	1288	1.08	1305	1.14	1333	1.22	1364	1.31	1397	1.41	1468	1.62	1533	1.84	1591	2.03
4560	2400	1303	1.08	1323	1.15	1340	1.21	1350	1.25	1378	1.34	1401	1.42	1436	1.53	1503	1.75	1568	1.97	1627	2.19
4750	2500	1357	1.22	1372	1.28	1391	1.35	1403	1.40	1421	1.47	1447	1.56	1473	1.65	1537	1.88	1602	2.11	1661	2.34
4940	2600	1411	1.37	1420	1.41	1441	1.49	1455	1.55	1464	1.60	1492	1.70	1514	1.79	1573	2.02	1636	2.25	1696	2.49
5320	2800	1520	1.71	1530	1.73	1541	1.82	1557	1.89	1569	1.95	1578	2.00	1604	2.12	1648	2.32	1704	2.56	1764	2.82
5700	3000	1629	2.10	1634	2.12	1639	2.17	1658	2.27	1672	2.34	1682	2.41	1689	2.46	1735	2.69	1781	2.93	1833	3.19
6080	3200	1737	2.55	1742	2.56	1749	2.58	1757	2.69	1773	2.78	1785	2.86	1794	2.92	1823	3.10	1861	3.33	1909	3.60
6460	3400	1846	3.05	1850	3.07	1856	3.08	1864	3.15	1873	3.26	1887	3.36	1898	3.43	1913	3.56	1951	3.82	1984	4.04

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2850	1500	1359	1.20	1412	1.33	1464	1.47	1562	1.75	1658	2.02	1753	2.31	1849	2.61	1941	2.91	2029	3.21	2114	3.51
3040	1600	1392	1.30	1444	1.44	1495	1.58	1590	1.88	1682	2.17	1772	2.47	1861	2.77	1951	3.09	2037	3.40	2122	3.73
3230	1700	1426	1.40	1478	1.55	1526	1.70	1620	2.01	1708	2.32	1795	2.63	1880	2.95	1964	3.27	2049	3.61	2131	3.94
3420	1800	1460	1.52	1511	1.67	1560	1.83	1653	2.15	1739	2.47	1820	2.80	1903	3.14	1983	3.47	2064	3.81	2143	4.16
3610	1900	1496	1.64	1546	1.80	1594	1.96	1684	2.29	1771	2.64	1852	2.98	1928	3.32	2007	3.68	2082	4.03	2159	4.40
3800	2000	1531	1.77	1581	1.94	1629	2.11	1719	2.45	1802	2.80	1883	3.16	1960	3.53	2031	3.89	2107	4.26	2177	4.63
3990	2100	1568	1.91	1617	2.09	1663	2.26	1752	2.61	1836	2.98	1915	3.35	1990	3.72	2063	4.11	2131	4.49	2203	4.89
4180	2200	1603	2.06	1653	2.24	1700	2.42	1787	2.79	1869	3.16	1947	3.55	2023	3.94	2093	4.33	2163	4.74	2228	5.13
4370	2300	1641	2.22	1689	2.40	1735	2.59	1822	2.97	1904	3.36	1981	3.75	2053	4.15	2126	4.57	2193	4.97	2260	5.40
4560	2400	1679	2.39	1725	2.57	1771	2.77	1858	3.17	1938	3.56	2015	3.96	2088	4.39	2157	4.80	2226	5.24	2290	5.66
4750	2500	1716	2.56	1764	2.76	1806	2.95	1893	3.36	1974	3.78	2050	4.20	2121	4.61	2191	5.06	2257	5.50	2323	5.95
4940	2600	1751	2.73	1801	2.95	1846	3.16	1930	3.58	2010	4.01	2083	4.42	2156	4.87	2224	5.32	2290	5.78	2354	6.23
5130	2700	1785	2.90	1837	3.14	1884	3.37	1965	3.79	2045	4.24	2120	4.69	2191	5.13	2258	5.59	2324	6.06	2387	6.53
5320	2800	1821	3.09	1872	3.34	1920	3.58	2003	4.03	2082	4.49	2156	4.95	2225	5.40	2294	5.88	2357	6.34	2421	6.84
5510	2900	1854	3.27	1906	3.54	1956	3.80	2042	4.28	2117	4.73	2191	5.21	2262	5.70	2327	6.16	2393	6.67	2453	7.14
5700	3000	1889	3.46	1941	3.74	1990	4.01	2079	4.53	2154	5.01	2228	5.50	2297	5.99	2364	6.49	2427	6.98	2489	7.49
5890	3100	1924	3.67	1975	3.95	2025	4.24	2115	4.79	2193	5.30	2263	5.78	2333	6.30	2400	6.82	2462	7.32	2524	7.84
6080	3200	1957	3.88	2009	4.17	2059	4.47	2150	5.05	2231	5.60	2300	6.09	2369	6.62	2434	7.14	2499	7.68	2557	8.18
6270	3300	1994	4.11	2044	4.41	2092	4.70	2184	5.31	2267	5.89	2339	6.43	2404	6.94	2471	7.50	2534	8.04	2594	8.58
6460	3400	2032	4.35	2078	4.64	2128	4.96	2220	5.59	2303	6.20	2377	6.77	2442	7.29	2507	7.85	2569	8.41	2630	8.98
6650	3500	2070	4.59	2115	4.90	2162	5.22	2254	5.86	2338	6.50	2413	7.10	2481	7.67	2541	8.20	2606	8.80	---	---
6840	3600	2106	4.84	2153	5.17	2196	5.48	2287	6.13	2372	6.81	2450	7.45	2519	8.05	2580	8.61	2641	9.19	---	---
7030	3700	2152	5.15	2191	5.45	2233	5.77	2322	6.44	2407	7.13	2485	7.80	2555	8.43	2619	9.03	2676	9.58	---	---
7220	3800	2197	5.46	2227	5.72	2272	6.07	2357	6.75	2441	7.45	2519	8.14	2592	8.82	2657	9.45	2716	10.00	---	---
7410	3900	2242	5.79	2271	6.05	2309	6.38	2391	7.07	2474	7.77	2554	8.51	2627	9.21	2693	9.87	2755	10.5	---	---
7600	4000	2286	6.12	2317	6.41	2346	6.69	2426	7.39	2509	8.13	2589	8.87	2661	9.60	2730	10.3	2792	10.9	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE 200
SINGLE WIDTH
SINGLE INLET

CENTRIFUGAL FAN TYPE **B**

WHEEL DIA. 20"

OUTLET AREA 2.30 SQ FT

LIMIT LOAD HP = .82 $\left(\frac{RPM}{1,000}\right)^3$

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2070	900	561	0.14	619	0.19	668	0.23	714	0.28	756	0.33	796	0.37	833	0.42	906	0.53	978	0.63	1049	0.74
2185	950	577	0.15	635	0.20	685	0.25	730	0.30	771	0.35	810	0.40	847	0.45	917	0.56	986	0.67	1055	0.78
2300	1000	593	0.17	653	0.22	701	0.27	745	0.32	786	0.37	824	0.42	861	0.48	929	0.59	995	0.70	1061	0.82
2415	1050	609	0.18	670	0.24	718	0.29	762	0.34	802	0.40	840	0.45	876	0.51	944	0.62	1007	0.74	1069	0.86
2530	1100	625	0.20	687	0.26	734	0.31	778	0.37	818	0.42	855	0.48	891	0.54	958	0.66	1019	0.78	1080	0.90
2760	1200	658	0.23	718	0.30	769	0.36	811	0.42	851	0.48	887	0.54	922	0.60	987	0.73	1047	0.86	1104	0.99
2990	1300	695	0.27	750	0.34	802	0.42	846	0.48	884	0.54	920	0.61	954	0.67	1018	0.81	1077	0.94	1133	1.08
3220	1400	736	0.32	781	0.39	834	0.47	880	0.55	918	0.61	953	0.68	987	0.75	1050	0.89	1108	1.04	1162	1.19
3450	1500	776	0.38	817	0.45	866	0.53	911	0.61	952	0.69	987	0.76	1020	0.84	1082	0.99	1140	1.14	1193	1.29
3680	1600	825	0.45	855	0.51	897	0.59	943	0.68	985	0.77	1022	0.85	1054	0.93	1115	1.08	1171	1.24	1224	1.41
3910	1700	872	0.53	896	0.58	932	0.66	975	0.75	1017	0.85	1055	0.94	1089	1.03	1148	1.19	1204	1.36	1255	1.53
4140	1800	919	0.61	935	0.66	967	0.74	1006	0.83	1048	0.93	1087	1.04	1122	1.13	1182	1.31	1237	1.49	1289	1.67
4370	1900	965	0.71	981	0.76	1009	0.83	1042	0.93	1080	1.03	1118	1.13	1154	1.24	1217	1.44	1270	1.62	1321	1.81
4600	2000	1011	0.81	1029	0.87	1049	0.94	1075	1.02	1112	1.13	1150	1.24	1186	1.35	1251	1.57	1305	1.77	1355	1.96
4830	2100	1055	0.92	1077	0.99	1088	1.04	1118	1.14	1148	1.24	1181	1.35	1217	1.46	1282	1.70	1340	1.92	1388	2.12
5060	2200	1099	1.03	1123	1.12	1136	1.18	1159	1.26	1182	1.35	1216	1.47	1249	1.59	1315	1.84	1373	2.08	1424	2.30
5290	2300	1148	1.18	1170	1.26	1184	1.32	1198	1.39	1224	1.49	1250	1.60	1281	1.72	1345	1.97	1405	2.23	1458	2.47
5520	2400	1198	1.33	1215	1.41	1231	1.48	1241	1.54	1265	1.64	1287	1.74	1317	1.87	1378	2.13	1437	2.40	1491	2.66
5750	2500	1248	1.50	1261	1.57	1278	1.65	1289	1.72	1305	1.80	1329	1.91	1350	2.02	1409	2.29	1468	2.56	1522	2.84
5980	2600	1298	1.69	1305	1.73	1325	1.83	1337	1.91	1346	1.96	1370	2.08	1390	2.19	1443	2.46	1500	2.74	1555	3.04
6440	2800	1398	2.11	1408	2.12	1416	2.23	1432	2.32	1442	2.39	1449	2.45	1472	2.59	1512	2.83	1563	3.13	1617	3.44
6900	3000	1498	2.58	1503	2.60	1506	2.66	1524	2.78	1537	2.88	1546	2.95	1553	3.01	1593	3.29	1633	3.57	1680	3.88
7360	3200	1598	3.13	1603	3.15	1608	3.17	1615	3.30	1630	3.41	1641	3.51	1649	3.58	1674	3.79	1709	4.07	1750	4.39
7820	3400	1693	3.75	1698	3.77	1701	3.79	1708	3.86	1722	4.00	1734	4.12	1744	4.21	1758	4.37	1791	4.66	1822	4.95

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3450	1500	1243	1.45	1292	1.62	1339	1.78	1428	2.12	1515	2.45	1602	2.79	1689	3.16	1772	3.52	1853	3.88	1930	4.24
3680	1600	1274	1.58	1321	1.74	1368	1.92	1454	2.27	1538	2.63	1619	2.99	1701	3.36	1782	3.74	1860	4.12	1938	4.51
3910	1700	1305	1.71	1352	1.89	1396	2.06	1482	2.43	1563	2.81	1641	3.19	1717	3.57	1795	3.96	1871	4.37	1946	4.77
4140	1800	1337	1.85	1383	2.03	1428	2.22	1512	2.61	1591	3.00	1665	3.39	1740	3.80	1812	4.20	1886	4.62	1957	5.03
4370	1900	1370	2.00	1415	2.19	1459	2.38	1542	2.78	1620	3.20	1694	3.61	1763	4.03	1835	4.46	1902	4.88	1973	5.32
4600	2000	1402	2.16	1448	2.36	1491	2.56	1573	2.97	1649	3.39	1723	3.83	1793	4.27	1858	4.71	1926	5.16	1990	5.60
4830	2100	1436	2.33	1481	2.54	1524	2.75	1605	3.17	1681	3.61	1752	4.06	1821	4.51	1888	4.98	1949	5.44	2014	5.92
5060	2200	1468	2.50	1514	2.72	1556	2.94	1636	3.38	1710	3.83	1782	4.30	1851	4.78	1915	5.25	1979	5.74	2038	6.22
5290	2300	1504	2.70	1547	2.92	1589	3.15	1669	3.61	1743	4.08	1813	4.55	1880	5.04	1945	5.54	2006	6.03	2068	6.55
5520	2400	1539	2.90	1581	3.13	1622	3.37	1702	3.85	1774	4.32	1845	4.81	1911	5.32	1973	5.82	2037	6.35	2095	6.88
5750	2500	1572	3.11	1616	3.36	1656	3.59	1734	4.09	1808	4.59	1877	5.10	1941	5.60	2006	6.14	2065	6.66	2125	7.22
5980	2600	1605	3.32	1650	3.59	1692	3.85	1768	4.35	1841	4.87	1908	5.38	1974	5.92	2038	6.45	2096	7.01	2153	7.56
6210	2700	1636	3.53	1684	3.83	1726	4.10	1799	4.60	1873	5.15	1942	5.70	2005	6.23	2068	6.79	2127	7.35	2185	7.93
6440	2800	1668	3.75	1715	4.06	1759	4.36	1836	4.91	1907	5.46	1974	6.01	2038	6.57	2100	7.14	2158	7.70	2216	8.30
6670	2900	1699	3.97	1747	4.31	1792	4.62	1871	5.21	1939	5.75	2007	6.34	2072	6.93	2130	7.48	2191	8.09	2246	8.67
6900	3000	1731	4.22	1779	4.55	1823	4.88	1905	5.52	1974	6.10	2041	6.69	2103	7.28	2165	7.89	2222	8.47	2279	9.10
7130	3100	1763	4.47	1809	4.80	1856	5.16	1938	5.84	2010	6.46	2072	7.03	2137	7.66	2198	8.28	2255	8.89	2310	9.52
7360	3200	1794	4.72	1842	5.08	1887	5.44	1970	6.15	2044	6.81	2108	7.42	2170	8.05	2230	8.68	2288	9.33	2342	9.95
7590	3300	1829	5.01	1874	5.37	1917	5.72	2001	6.47	2078	7.17	2144	7.83	2202	8.43	2264	9.12	2320	9.76	2376	10.4
7820	3400	1864	5.30	1904	5.65	1950	6.04	2034	6.80	2110	7.54	2178	8.23	2238	8.88	2296	9.54	2354	10.2	2409	10.9
8050	3500	1898	5.60	1940	5.98	1982	6.35	2065	7.13	2142	7.91	2212	8.65	2274	9.34	2328	9.97	2387	10.7	---	---
8280	3600	1933	5.91	1975	6.31	2012	6.67	2096	7.46	2174	8.29	2245	9.07	2308	9.80	2365	10.4	2419	11.1	---	---
8510	3700	1976	6.29	2009	6.64	2048	7.04	2128	7.84	2206	8.68	2277	9.49	2342	10.2	2400	11.0	2453	11.6	---	---
8740	3800	2017	6.68	2043	6.98	2084	7.41	2160	8.22	2237	9.06	2308	9.91	2375	10.7	2435	11.5	2489	12.2	---	---
8970	3900	2058	7.08	2085	7.40	2118	7.78	2191	8.60	2267	9.46	2340	10.3	2407	11.2	2468	12.0	2524	12.7	---	---
9200	4000	2098	7.48	2127	7.83	2151	8.15	2225	9.02	2300	9.90	2372	10.8	2438	11.8	2502	12.5	2558	13.3	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 222
SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 22 1/4"

OUTLET AREA 2.83 SQ FT

LIMIT LOAD HP = 1.40 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2547	900	503	0.17	555	0.23	599	0.28	640	0.35	678	0.40	714	0.46	747	0.52	813	0.65	879	0.77	943	0.91
2688	950	517	0.19	569	0.25	614	0.31	654	0.37	691	0.43	727	0.49	760	0.56	823	0.69	886	0.82	947	0.96
2830	1000	531	0.21	585	0.27	629	0.33	669	0.39	705	0.46	740	0.52	773	0.59	833	0.72	893	0.86	953	1.00
2971	1050	545	0.22	600	0.29	644	0.36	683	0.42	719	0.49	754	0.56	786	0.62	847	0.77	904	0.91	960	1.06
3113	1100	560	0.24	615	0.32	658	0.38	698	0.45	734	0.52	767	0.59	799	0.66	859	0.81	914	0.96	969	1.11
3396	1200	590	0.29	644	0.37	689	0.44	727	0.52	763	0.59	796	0.66	827	0.74	885	0.89	940	1.05	991	1.22
3679	1300	622	0.33	672	0.42	719	0.51	758	0.59	792	0.67	825	0.75	855	0.82	913	0.99	966	1.16	1016	1.33
3962	1400	659	0.40	700	0.48	747	0.58	788	0.67	822	0.75	855	0.84	885	0.92	941	1.10	994	1.27	1042	1.46
4245	1500	694	0.46	731	0.55	775	0.65	817	0.75	853	0.85	884	0.93	915	1.03	970	1.21	1022	1.40	1070	1.59
4528	1600	737	0.55	765	0.62	804	0.72	845	0.83	883	0.94	916	1.04	944	1.14	999	1.33	1050	1.53	1098	1.73
4811	1700	780	0.64	802	0.71	835	0.81	874	0.92	911	1.04	946	1.16	976	1.26	1029	1.46	1080	1.67	1126	1.88
5094	1800	822	0.75	837	0.81	865	0.90	901	1.02	939	1.14	974	1.27	1006	1.39	1059	1.61	1109	1.82	1156	2.05
5377	1900	863	0.86	877	0.92	902	1.02	933	1.13	968	1.26	1002	1.39	1034	1.52	1091	1.76	1138	1.98	1184	2.22
5660	2000	904	0.99	920	1.06	939	1.14	963	1.25	996	1.38	1030	1.52	1063	1.65	1121	1.92	1170	2.16	1214	2.40
5943	2100	944	1.12	962	1.21	974	1.27	1000	1.39	1028	1.51	1059	1.65	1090	1.79	1149	2.08	1201	2.35	1244	2.59
6226	2200	983	1.26	1004	1.36	1016	1.43	1037	1.54	1058	1.65	1089	1.80	1119	1.95	1178	2.25	1231	2.54	1276	2.81
6509	2300	1026	1.43	1046	1.53	1058	1.61	1072	1.70	1095	1.83	1120	1.96	1147	2.11	1206	2.42	1259	2.74	1306	3.03
6792	2400	1071	1.62	1087	1.72	1101	1.81	1110	1.87	1132	2.01	1151	2.13	1179	2.29	1234	2.61	1288	2.94	1336	3.26
7075	2500	1115	1.83	1127	1.91	1143	2.01	1153	2.09	1168	2.19	1189	2.33	1210	2.47	1262	2.80	1316	3.14	1364	3.48
7358	2600	1160	2.06	1167	2.11	1185	2.23	1195	2.32	1203	2.39	1226	2.55	1244	2.68	1292	3.01	1344	3.36	1393	3.72
7924	2800	1249	2.56	1259	2.58	1267	2.71	1280	2.83	1289	2.92	1296	2.99	1318	3.16	1354	3.46	1400	3.82	1449	4.21
8490	3000	1339	3.14	1343	3.17	1347	3.25	1363	3.39	1374	3.50	1382	3.60	1388	3.67	1425	4.02	1463	4.37	1505	4.75
9056	3200	1428	3.81	1432	3.83	1436	3.85	1444	4.02	1457	4.16	1467	4.27	1474	4.37	1498	4.63	1529	4.98	1568	5.37
9622	3400	1517	4.56	1520	4.59	1524	4.61	1528	4.70	1539	4.88	1551	5.02	1559	5.13	1572	5.32	1603	5.70	1630	6.04

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4245	1500	1115	1.79	1159	1.99	1201	2.19	1282	2.60	1360	3.02	1438	3.44	1517	3.89	1592	4.33	1665	4.78	1734	5.23
4528	1600	1143	1.94	1185	2.15	1227	2.36	1305	2.79	1380	3.23	1454	3.68	1527	4.13	1601	4.60	1671	5.07	1741	5.56
4811	1700	1170	2.09	1213	2.32	1252	2.54	1330	2.99	1402	3.45	1473	3.93	1542	4.39	1612	4.87	1681	5.37	1748	5.87
5094	1800	1199	2.27	1240	2.49	1281	2.73	1356	3.20	1428	3.69	1494	4.17	1562	4.67	1627	5.17	1693	5.68	1758	6.20
5377	1900	1228	2.45	1269	2.69	1308	2.92	1383	3.42	1454	3.93	1520	4.44	1582	4.95	1647	5.48	1708	6.00	1772	6.55
5660	2000	1257	2.65	1298	2.89	1337	3.14	1411	3.65	1479	4.17	1545	4.71	1609	5.25	1667	5.79	1729	6.35	1786	6.89
5943	2100	1287	2.86	1327	3.11	1366	3.37	1439	3.89	1507	4.44	1572	4.99	1633	5.55	1694	6.13	1749	6.69	1808	7.28
6226	2200	1316	3.07	1357	3.34	1395	3.61	1467	4.15	1534	4.70	1598	5.29	1660	5.87	1718	6.44	1776	7.06	1828	7.65
6509	2300	1348	3.31	1386	3.58	1425	3.86	1496	4.43	1563	5.00	1626	5.59	1685	6.19	1745	6.81	1800	7.41	1855	8.05
6792	2400	1379	3.56	1416	3.84	1454	4.13	1526	4.72	1591	5.30	1654	5.91	1714	6.54	1770	7.16	1827	7.81	1879	8.43
7075	2500	1409	3.81	1448	4.12	1483	4.40	1555	5.01	1621	5.63	1683	6.26	1741	6.88	1799	7.54	1852	8.19	1906	8.87
7358	2600	1438	4.07	1479	4.40	1516	4.71	1585	5.34	1650	5.97	1710	6.59	1770	7.26	1826	7.92	1880	8.61	1932	9.29
7641	2700	1466	4.33	1509	4.69	1547	5.02	1613	5.65	1679	6.32	1741	6.99	1798	7.65	1854	8.33	1908	9.03	1959	9.74
7924	2800	1495	4.60	1537	4.98	1577	5.34	1645	6.01	1709	6.69	1770	7.38	1827	8.06	1883	8.76	1935	9.46	1987	10.2
8207	2900	1523	4.87	1565	5.28	1606	5.67	1677	6.39	1738	7.06	1799	7.78	1857	8.50	1910	9.19	1964	9.94	2014	10.6
8490	3000	1551	5.16	1594	5.58	1634	5.99	1707	6.76	1769	7.47	1829	8.20	1886	8.93	1941	9.68	1992	10.4	2043	11.1
8773	3100	1580	5.48	1622	5.89	1663	6.33	1737	7.15	1801	7.91	1858	8.62	1916	9.40	1970	10.1	2021	10.9	2072	11.6
9056	3200	1607	5.79	1650	6.22	1691	6.67	1766	7.54	1832	8.35	1889	9.09	1945	9.88	1998	10.6	2051	11.4	2099	12.2
9339	3300	1638	6.13	1679	6.58	1718	7.00	1793	7.92	1862	8.79	1921	9.59	1974	10.3	2029	11.1	2080	11.9	2130	12.8
9622	3400	1669	6.49	1706	6.92	1747	7.40	1823	8.33	1891	9.25	1952	10.0	2005	10.8	2058	11.7	2109	12.5	2159	13.3
9905	3500	1700	6.85	1737	7.31	1776	7.79	1851	8.74	1919	9.70	1982	10.5	2037	11.4	2086	12.2	2140	13.1	-----	-----
10188	3600	1730	7.22	1769	7.72	1803	8.17	1878	9.15	1948	10.1	2012	11.1	2069	12.0	2119	12.8	2169	13.7	-----	-----
10471	3700	1768	7.68	1799	8.13	1834	8.61	1907	9.61	1977	10.6	2040	11.6	2098	12.5	2151	13.4	2197	14.2	-----	-----
10754	3800	1805	8.16	1829	8.54	1866	9.06	1936	10.0	2004	11.1	2068	12.1	2128	13.1	2182	14.1	2230	14.9	-----	-----
11037	3900	1842	8.64	1866	9.04	1897	9.52	1963	10.5	2031	11.5	2097	12.6	2157	13.7	2212	14.7	2262	15.6	-----	-----
11320	4000	1878	9.14	1903	9.57	1926	9.98	1992	11.0	2061	12.1	2126	13.2	2185	14.3	2242	15.3	2293	16.3	-----	-----

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE **245**

SINGLE WIDTH
SINGLE INLET

CENTRIFUGAL FAN TYPE **B**

WHEEL DIA. 24 1/2"

OUTLET AREA 3.46 SQ FT

LIMIT LOAD HP = 2.27 (RPM/1,000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3114	900	459	0.21	506	0.28	546	0.35	583	0.42	618	0.49	650	0.56	680	0.64	740	0.79	799	0.95	857	1.11
3287	950	472	0.23	519	0.30	560	0.38	596	0.45	630	0.52	662	0.60	692	0.68	749	0.84	806	1.00	861	1.17
3460	1000	485	0.25	534	0.33	573	0.41	609	0.48	643	0.56	673	0.64	704	0.72	759	0.89	813	1.05	866	1.23
3633	1050	497	0.28	548	0.36	587	0.44	623	0.52	656	0.60	687	0.68	716	0.76	771	0.94	823	1.11	873	1.29
3806	1100	511	0.30	561	0.39	600	0.47	636	0.55	668	0.64	699	0.72	728	0.81	782	0.99	833	1.17	882	1.36
4152	1200	538	0.35	587	0.45	629	0.55	663	0.63	695	0.72	725	0.81	754	0.91	806	1.10	856	1.29	902	1.49
4498	1300	569	0.41	613	0.52	656	0.63	691	0.72	722	0.82	752	0.92	780	1.01	832	1.21	880	1.42	925	1.63
4844	1400	602	0.49	639	0.59	682	0.71	719	0.82	750	0.92	779	1.03	807	1.13	858	1.34	905	1.56	949	1.79
5190	1500	635	0.57	668	0.67	708	0.79	745	0.92	778	1.04	807	1.15	834	1.26	885	1.49	931	1.71	975	1.95
5536	1600	675	0.68	699	0.77	733	0.89	771	1.02	805	1.16	835	1.28	862	1.40	911	1.63	957	1.87	1000	2.12
5882	1700	714	0.80	733	0.88	762	1.00	797	1.14	831	1.28	862	1.42	890	1.55	938	1.80	984	2.05	1026	2.30
6228	1800	752	0.93	765	1.00	791	1.12	823	1.26	857	1.41	888	1.56	917	1.71	967	1.98	1011	2.24	1054	2.51
6574	1900	790	1.07	803	1.14	825	1.26	852	1.40	883	1.55	914	1.71	943	1.87	995	2.17	1038	2.43	1080	2.72
6920	2000	827	1.22	842	1.31	858	1.41	880	1.54	910	1.70	940	1.87	969	2.03	1022	2.36	1067	2.66	1107	2.95
7266	2100	863	1.39	881	1.50	890	1.57	914	1.72	938	1.87	966	2.03	995	2.21	1048	2.56	1095	2.89	1135	3.19
7612	2200	899	1.56	919	1.69	929	1.78	948	1.90	967	2.04	994	2.22	1021	2.40	1075	2.77	1122	3.13	1164	3.46
7958	2300	940	1.78	957	1.90	969	2.00	980	2.10	1001	2.25	1022	2.41	1047	2.60	1100	2.97	1148	3.36	1192	3.73
8304	2400	981	2.02	994	2.13	1007	2.24	1016	2.32	1035	2.48	1052	2.63	1076	2.82	1126	3.21	1175	3.61	1219	4.01
8650	2500	1022	2.27	1031	2.37	1046	2.50	1055	2.59	1067	2.71	1087	2.88	1104	3.04	1152	3.45	1200	3.86	1244	4.28
8996	2600	1062	2.55	1068	2.62	1084	2.77	1094	2.88	1101	2.96	1120	3.14	1137	3.31	1180	3.71	1226	4.13	1271	4.57
9688	2800	1144	3.18	1151	3.21	1159	3.36	1171	3.50	1180	3.61	1186	3.71	1204	3.90	1236	4.26	1278	4.71	1322	5.18
10380	3000	1224	3.91	1228	3.93	1232	4.02	1247	4.20	1257	4.34	1265	4.46	1270	4.55	1303	4.96	1335	5.38	1373	5.85
11072	3200	1308	4.73	1312	4.76	1315	4.79	1321	4.98	1334	5.15	1342	5.29	1349	5.41	1369	5.72	1398	6.15	1431	6.62
11764	3400	1385	5.67	1389	5.70	1393	5.73	1398	5.82	1408	6.04	1419	6.22	1427	6.36	1439	6.60	1465	7.04	1490	7.46

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5190	1500	1015	2.19	1056	2.43	1094	2.68	1166	3.18	1237	3.69	1308	4.20	1379	4.75	1447	5.29	1513	5.84	1576	6.38
5536	1600	1041	2.37	1079	2.63	1118	2.89	1188	3.42	1256	3.96	1322	4.49	1389	5.05	1455	5.62	1519	6.19	1582	6.79
5882	1700	1067	2.57	1105	2.84	1141	3.11	1211	3.66	1277	4.23	1341	4.80	1403	5.37	1466	5.96	1528	6.56	1589	7.18
6228	1800	1092	2.78	1131	3.06	1167	3.34	1235	3.92	1300	4.51	1361	5.11	1421	5.72	1479	6.32	1540	6.95	1598	7.57
6574	1900	1120	3.01	1156	3.29	1192	3.59	1260	4.19	1324	4.81	1384	5.43	1441	6.06	1499	6.71	1553	7.33	1611	8.01
6920	2000	1146	3.25	1183	3.55	1218	3.85	1285	4.47	1347	5.11	1408	5.77	1465	6.43	1518	7.09	1573	7.77	1625	8.43
7266	2100	1174	3.51	1210	3.82	1245	4.14	1311	4.78	1373	5.44	1431	6.11	1488	6.80	1542	7.50	1593	8.19	1645	8.90
7612	2200	1200	3.76	1237	4.10	1272	4.43	1337	5.09	1398	5.76	1456	6.48	1512	7.19	1565	7.90	1617	8.64	1665	9.36
7958	2300	1229	4.07	1264	4.39	1299	4.75	1364	5.44	1425	6.14	1482	6.85	1536	7.59	1589	8.34	1639	9.07	1689	9.85
8304	2400	1258	4.37	1292	4.72	1326	5.07	1391	5.79	1450	6.50	1507	7.25	1562	8.01	1612	8.77	1664	9.56	1712	10.3
8650	2500	1285	4.69	1321	5.06	1353	5.41	1418	6.16	1478	6.92	1534	7.67	1586	8.43	1639	9.24	1687	10.0	1736	10.8
8996	2600	1312	5.00	1349	5.41	1383	5.80	1445	6.55	1504	7.33	1559	8.10	1613	8.91	1663	9.70	1713	10.5	1759	11.3
9342	2700	1337	5.32	1376	5.77	1411	6.18	1471	6.94	1531	7.76	1587	8.58	1639	9.38	1690	10.2	1738	11.0	1785	11.9
9688	2800	1364	5.66	1402	6.12	1438	6.57	1501	7.40	1558	8.22	1613	9.05	1666	9.89	1716	10.7	1764	11.6	1811	12.4
10034	2900	1389	5.99	1428	6.49	1465	6.97	1529	7.86	1584	8.67	1641	9.56	1693	10.4	1741	11.2	1790	12.1	1835	13.0
10380	3000	1415	6.36	1454	6.86	1490	7.36	1557	8.31	1614	9.19	1668	10.0	1719	10.9	1769	11.8	1815	12.7	1862	13.7
10726	3100	1441	6.74	1479	7.23	1517	7.78	1584	8.79	1643	9.73	1694	10.5	1747	11.5	1796	12.4	1843	13.4	1888	14.3
11072	3200	1466	7.12	1506	7.66	1542	8.19	1610	9.27	1671	10.2	1723	11.1	1774	12.1	1822	13.0	1870	14.0	1914	14.9
11418	3300	1495	7.55	1532	8.09	1568	8.62	1636	9.74	1698	10.8	1752	11.8	1799	12.7	1850	13.7	1896	14.7	1942	15.7
11764	3400	1524	7.99	1558	8.52	1594	9.10	1663	10.2	1725	11.3	1780	12.4	1829	13.3	1877	14.3	1924	15.4	1968	16.4
12110	3500	1552	8.44	1586	9.01	1620	9.58	1688	10.7	1750	11.9	1808	13.0	1859	14.0	1903	15.0	1951	16.1	—	—
12456	3600	1581	8.92	1615	9.51	1645	10.0	1713	11.2	1777	12.4	1835	13.6	1887	14.7	1933	15.8	1977	16.8	—	—
12802	3700	1616	9.49	1643	10.0	1675	10.6	1740	11.8	1803	13.0	1861	14.3	1914	15.4	1962	16.5	2005	17.5	—	—
13148	3800	1650	10.0	1671	10.5	1704	11.1	1786	12.4	1828	13.6	1886	14.9	1941	16.1	1990	17.3	2035	18.4	—	—
13494	3900	1683	10.6	1706	11.1	1731	11.7	1791	12.9	1853	14.2	1913	15.6	1967	16.8	2018	18.1	2063	19.2	—	—
13840	4000	1716	11.2	1740	11.8	1759	12.2	1819	13.6	1880	14.9	1939	16.2	1993	17.5	2045	18.9	2091	20.1	—	—

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.

Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 270

SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 27"

OUTLET AREA 4.20 SQ FT

LIMIT LOAD HP = 3.68 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3780	900	416	0.26	459	0.34	496	0.42	529	0.51	560	0.60	590	0.68	617	0.78	671	0.96	725	1.15	777	1.35
3990	950	428	0.28	471	0.37	508	0.46	541	0.54	572	0.64	601	0.73	628	0.82	680	1.02	731	1.21	781	1.42
4200	1000	440	0.31	484	0.40	520	0.49	553	0.58	583	0.68	611	0.77	639	0.87	689	1.08	737	1.28	786	1.49
4410	1050	451	0.33	497	0.44	532	0.53	565	0.63	595	0.72	623	0.83	649	0.93	700	1.14	746	1.35	792	1.57
4620	1100	463	0.36	509	0.47	544	0.57	577	0.67	606	0.77	634	0.87	661	0.98	710	1.20	755	1.42	800	1.65
5040	1200	488	0.43	533	0.55	570	0.66	601	0.77	631	0.88	658	0.99	684	1.10	731	1.33	776	1.57	819	1.81
5460	1300	516	0.50	556	0.63	595	0.76	627	0.88	655	0.99	682	1.11	707	1.23	755	1.47	798	1.73	839	1.98
5880	1400	546	0.59	580	0.71	619	0.86	652	1.00	681	1.12	707	1.25	732	1.37	778	1.63	821	1.90	861	2.17
6300	1500	576	0.69	606	0.82	642	0.96	676	1.12	706	1.26	732	1.39	757	1.53	803	1.80	845	2.08	884	2.36
6720	1600	612	0.82	634	0.93	665	1.08	700	1.24	730	1.41	758	1.56	782	1.70	827	1.98	868	2.27	908	2.57
7140	1700	647	0.96	665	1.07	691	1.21	723	1.38	754	1.55	782	1.72	808	1.88	851	2.18	893	2.49	931	2.80
7560	1800	682	1.12	694	1.21	717	1.35	746	1.53	777	1.71	806	1.89	832	2.07	877	2.40	917	2.72	956	3.05
7980	1900	716	1.29	728	1.39	748	1.53	773	1.69	801	1.88	829	2.07	856	2.26	903	2.63	941	2.95	980	3.30
8400	2000	750	1.48	764	1.59	778	1.71	798	1.86	825	2.06	853	2.26	879	2.47	927	2.87	968	3.23	1005	3.58
8820	2100	783	1.68	799	1.81	807	1.90	829	2.08	851	2.26	876	2.47	903	2.68	951	3.11	993	3.51	1029	3.87
9240	2200	816	1.89	834	2.05	843	2.15	859	2.31	877	2.47	902	2.69	926	2.91	975	3.36	1018	3.80	1056	4.20
9660	2300	852	2.16	868	2.31	879	2.43	889	2.54	908	2.74	927	2.93	950	3.15	998	3.61	1042	4.08	1081	4.52
10080	2400	889	2.44	902	2.58	914	2.72	921	2.82	939	3.01	955	3.19	976	3.42	1022	3.89	1066	4.38	1105	4.86
10500	2500	926	2.76	935	2.87	949	3.03	957	3.14	968	3.29	986	3.50	1002	3.69	1045	4.18	1088	4.69	1129	5.19
10920	2600	964	3.10	968	3.18	983	3.36	992	3.49	999	3.59	1016	3.81	1031	4.01	1070	4.50	1112	5.02	1153	5.55
11760	2800	1038	3.86	1046	3.89	1051	4.08	1062	4.25	1070	4.38	1076	4.49	1092	4.73	1121	5.17	1159	5.72	1199	6.29
12600	3000	1105	4.74	1112	4.77	1117	4.88	1131	5.10	1140	5.27	1147	5.41	1152	5.52	1182	6.02	1211	6.53	1246	7.09
13440	3200	1186	5.74	1191	5.77	1194	5.81	1198	6.04	1209	6.25	1218	6.42	1224	6.57	1242	6.94	1268	7.46	1298	8.03
14280	3400	1255	6.88	1260	6.91	1265	6.95	1269	7.06	1277	7.33	1287	7.54	1294	7.72	1305	8.01	1329	8.54	1352	9.05

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6300	1500	921	2.65	958	2.95	992	3.25	1058	3.86	1122	4.47	1187	5.10	1251	5.77	1313	6.42	1372	7.09	1430	7.75
6720	1600	945	2.88	979	3.19	1014	3.51	1078	4.15	1139	4.80	1199	5.46	1260	6.13	1320	6.83	1378	7.52	1435	8.24
7140	1700	968	3.12	1003	3.45	1035	3.77	1099	4.44	1158	5.13	1216	5.83	1273	6.52	1330	7.24	1386	7.97	1442	8.72
7560	1800	991	3.37	1026	3.71	1059	4.06	1121	4.75	1179	5.47	1234	6.20	1290	6.94	1342	7.67	1397	8.44	1450	9.19
7980	1900	1016	3.65	1049	4.00	1082	4.36	1143	5.09	1201	5.84	1256	6.60	1307	7.36	1360	8.14	1409	8.90	1462	9.72
8400	2000	1040	3.94	1074	4.31	1105	4.67	1166	5.43	1222	6.20	1277	7.00	1329	7.80	1377	8.60	1427	9.43	1475	10.2
8820	2100	1065	4.26	1098	4.63	1130	5.02	1190	5.80	1246	6.60	1299	7.42	1350	8.25	1399	9.10	1445	9.94	1493	10.8
9240	2200	1088	4.57	1123	4.98	1154	5.38	1213	6.18	1268	6.99	1321	7.86	1372	8.73	1420	9.58	1467	10.4	1511	11.3
9660	2300	1115	4.94	1147	5.33	1179	5.76	1237	6.60	1293	7.45	1344	8.32	1393	9.21	1442	10.1	1487	11.0	1532	11.9
10080	2400	1141	5.31	1172	5.73	1203	6.15	1262	7.03	1315	7.89	1368	8.80	1417	9.72	1463	10.6	1510	11.6	1553	12.5
10500	2500	1166	5.69	1199	6.14	1228	6.57	1286	7.48	1340	8.39	1391	9.31	1439	10.2	1487	11.2	1530	12.1	1575	13.1
10920	2600	1190	6.07	1224	6.56	1254	7.03	1311	7.95	1365	8.90	1414	9.83	1464	10.8	1509	11.7	1554	12.8	1596	13.8
11340	2700	1213	6.46	1248	7.00	1280	7.50	1334	8.42	1389	9.42	1440	10.4	1487	11.3	1533	12.4	1577	13.4	1620	14.4
11760	2800	1237	6.86	1272	7.43	1305	7.97	1361	8.98	1414	9.97	1464	10.9	1511	12.0	1557	13.0	1600	14.0	1643	15.1
12180	2900	1260	7.27	1296	7.87	1329	8.45	1387	9.53	1437	10.5	1488	11.6	1536	12.6	1580	13.6	1624	14.7	1665	15.8
12600	3000	1284	7.71	1319	8.33	1352	8.93	1412	10.0	1464	11.1	1513	12.2	1559	13.3	1605	14.4	1647	15.4	1690	16.8
13020	3100	1307	8.17	1342	8.78	1376	9.44	1437	10.6	1490	11.8	1537	12.8	1585	14.0	1629	15.1	1672	16.2	1719	17.3
13440	3200	1330	8.63	1366	9.30	1399	9.94	1461	11.2	1516	12.4	1563	13.5	1609	14.7	1653	15.8	1697	17.0	1736	18.1
13860	3300	1356	9.16	1389	9.82	1422	10.4	1484	11.8	1541	13.1	1590	14.3	1632	15.4	1678	16.6	1720	17.8	1762	19.0
14280	3400	1382	9.70	1412	10.3	1446	11.0	1508	12.4	1565	13.7	1615	15.0	1660	16.2	1703	17.4	1745	18.6	1786	19.9
14700	3500	1408	10.2	1439	10.9	1469	11.6	1531	13.0	1588	14.4	1640	15.8	1686	17.0	1726	18.2	1770	19.5	—	—
15120	3600	1434	10.8	1465	11.5	1492	12.2	1554	13.6	1612	15.1	1664	16.5	1711	17.9	1754	19.1	1794	20.4	—	—
15540	3700	1466	11.5	1490	12.1	1519	12.8	1578	14.3	1636	15.8	1688	17.3	1736	18.7	1780	20.1	1819	21.3	—	—
15960	3800	1497	12.2	1515	12.7	1545	13.5	1602	15.0	1658	16.5	1711	18.1	1761	19.6	1805	21.0	1846	22.3	—	—
16380	3900	1527	12.9	1547	13.5	1571	14.2	1625	15.7	1681	17.3	1735	18.9	1785	20.4	1830	21.9	1872	23.4	—	—
16800	4000	1557	13.6	1578	14.3	1596	14.9	1650	16.5	1706	18.1	1759	19.7	1808	21.3	1855	22.9	1897	24.4	—	—

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer. Class II ratings are shown in color-shaded area.



SIZE 300
SINGLE WIDTH
SINGLE INLET

CENTRIFUGAL FAN TYPE B

WHEEL DIA. 30"

OUTLET AREA 5.15 SQ FT

LIMIT LOAD HP = 6.21 $\left(\frac{RPM}{1,000}\right)^3$

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4635	900	373	0.32	411	0.42	445	0.52	475	0.62	503	0.73	530	0.84	554	0.95	603	1.18	652	1.41	699	1.65
4892	950	384	0.35	422	0.45	456	0.56	485	0.67	513	0.78	539	0.89	564	1.01	611	1.25	657	1.49	703	1.74
5150	1000	394	0.38	434	0.49	466	0.60	496	0.71	523	0.83	549	0.95	573	1.07	618	1.32	662	1.57	707	1.83
5407	1050	405	0.41	445	0.54	478	0.65	507	0.77	534	0.89	559	1.01	583	1.14	628	1.39	671	1.66	712	1.92
5665	1100	415	0.44	457	0.58	488	0.70	518	0.82	544	0.94	569	1.07	593	1.20	637	1.47	678	1.74	719	2.02
6180	1200	438	0.52	478	0.67	512	0.81	540	0.94	566	1.07	590	1.21	614	1.34	657	1.63	697	1.92	735	2.22
6695	1300	462	0.61	499	0.76	534	0.93	562	1.07	588	1.21	612	1.36	634	1.50	677	1.80	717	2.11	754	2.43
7210	1400	489	0.72	519	0.87	555	1.05	585	1.22	610	1.37	634	1.52	657	1.68	699	1.99	737	2.32	773	2.65
7725	1500	515	0.84	543	0.99	575	1.18	606	1.36	633	1.54	656	1.70	679	1.87	720	2.20	758	2.54	794	2.89
8240	1600	547	1.00	568	1.13	596	1.32	627	1.52	655	1.72	680	1.90	701	2.07	741	2.42	779	2.78	814	3.15
8755	1700	579	1.17	595	1.30	619	1.48	648	1.68	676	1.90	702	2.10	724	2.30	764	2.66	801	3.05	835	3.42
9270	1800	610	1.36	621	1.47	642	1.64	669	1.86	697	2.08	723	2.31	746	2.53	786	2.92	823	3.32	858	3.73
9785	1900	641	1.57	651	1.68	670	1.86	692	2.06	718	2.29	744	2.53	767	2.76	809	3.21	844	3.61	879	4.04
10300	2000	671	1.80	683	1.93	697	2.08	715	2.27	739	2.51	765	2.76	789	3.01	832	3.50	868	3.94	901	4.38
10815	2100	701	2.04	714	2.20	723	2.31	742	2.53	763	2.76	786	3.01	809	3.26	853	3.79	891	4.28	923	4.72
11330	2200	730	2.30	746	2.49	754	2.61	769	2.81	785	3.01	808	3.28	831	3.55	874	4.10	913	4.63	947	5.12
11845	2300	762	2.61	776	2.80	786	2.94	796	3.09	813	3.33	831	3.57	851	3.84	895	4.41	934	4.98	969	5.52
12360	2400	795	2.96	807	3.13	817	3.29	824	3.42	840	3.66	855	3.88	875	4.17	916	4.75	955	5.35	991	5.94
12875	2500	828	3.34	837	3.48	848	3.67	856	3.81	867	4.00	882	4.25	898	4.50	937	5.10	976	5.72	1012	6.34
13390	2600	861	3.75	866	3.85	879	4.07	887	4.23	893	4.36	910	4.64	923	4.88	959	5.48	997	6.12	1034	6.78
14420	2800	928	4.67	933	4.71	940	4.95	950	5.15	957	5.31	962	5.45	978	5.76	1005	6.31	1039	6.97	1075	7.67
15450	3000	994	5.73	999	5.77	1005	5.92	1012	6.18	1020	6.39	1026	6.55	1030	6.70	1058	7.32	1086	7.95	1117	8.66
16480	3200	1055	6.95	1060	6.99	1066	7.03	1074	7.32	1082	7.58	1089	7.75	1094	7.96	1112	8.44	1135	9.07	1163	9.79
17510	3400	1121	8.32	1126	8.36	1131	8.41	1136	8.57	1143	8.89	1151	9.14	1158	9.36	1167	9.71	1190	10.3	1210	11.0

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7725	1500	827	3.25	860	3.61	891	3.99	951	4.73	1009	5.49	1067	6.25	1125	7.07	1181	7.88	1235	8.70	1286	9.51
8240	1600	848	3.53	879	3.90	910	4.30	968	5.09	1024	5.89	1078	6.69	1133	7.51	1187	8.38	1240	9.22	1291	10.1
8755	1700	868	3.81	900	4.22	929	4.61	986	5.44	1040	6.29	1093	7.14	1144	8.00	1196	8.87	1247	9.78	1297	10.6
9270	1800	890	4.13	920	4.54	950	4.97	1006	5.83	1059	6.71	1108	7.59	1159	8.51	1207	9.41	1256	10.3	1304	11.2
9785	1900	911	4.47	942	4.89	971	5.32	1026	6.23	1078	7.15	1128	8.08	1174	9.01	1222	9.98	1267	10.9	1314	11.9
10300	2000	933	4.82	963	5.27	992	5.72	1047	6.65	1097	7.59	1147	8.57	1193	9.56	1237	10.5	1283	11.5	1325	12.5
10815	2100	955	5.20	985	5.67	1013	6.13	1068	7.09	1118	8.08	1166	9.09	1212	10.0	1256	11.1	1297	12.1	1341	13.2
11330	2200	976	5.58	1007	6.08	1035	6.58	1089	7.56	1138	8.56	1186	9.62	1232	10.6	1274	11.7	1317	12.8	1357	13.9
11845	2300	1000	6.02	1029	6.52	1057	7.03	1110	8.06	1160	9.11	1207	10.1	1251	11.2	1295	12.4	1335	13.4	1378	14.6
12360	2400	1023	6.48	1051	6.98	1079	7.52	1132	8.59	1181	9.65	1227	10.7	1272	11.9	1313	13.0	1355	14.2	1394	15.3
12875	2500	1045	6.94	1075	7.50	1101	8.01	1154	9.13	1203	10.2	1249	11.3	1292	12.5	1335	13.7	1374	14.9	1414	16.1
13390	2600	1067	7.41	1097	8.01	1125	8.58	1176	9.71	1224	10.8	1269	12.0	1314	13.2	1355	14.4	1395	15.6	1433	16.9
13905	2700	1088	7.88	1120	8.54	1148	9.15	1197	10.2	1246	11.5	1292	12.7	1334	13.9	1376	15.1	1416	16.4	1454	17.7
14420	2800	1109	8.38	1141	9.07	1170	9.73	1221	10.9	1268	12.1	1313	13.4	1356	14.6	1397	15.9	1436	17.2	1475	18.5
14935	2900	1130	8.87	1162	9.61	1192	10.3	1244	11.6	1290	12.8	1335	14.1	1378	15.4	1417	16.7	1458	18.0	1494	19.3
15450	3000	1151	9.40	1183	10.1	1212	10.9	1267	12.3	1313	13.6	1357	14.9	1399	16.2	1440	17.6	1478	18.9	1516	20.3
15965	3100	1172	9.97	1203	10.7	1234	11.5	1289	13.0	1336	14.4	1379	15.7	1421	17.1	1462	18.5	1500	19.8	1537	21.2
16480	3200	1193	10.5	1225	11.3	1255	12.1	1310	13.7	1359	15.2	1402	16.5	1444	17.9	1483	19.3	1522	20.8	1558	22.2
16995	3300	1215	11.1	1246	11.9	1275	12.7	1331	14.4	1381	16.0	1425	17.4	1465	18.8	1506	20.3	1543	21.8	1581	23.3
17510	3400	1239	11.8	1266	12.6	1297	13.4	1352	15.1	1403	16.8	1448	18.3	1488	19.8	1527	21.3	1565	22.8	1602	24.3
18025	3500	1262	12.4	1289	13.3	1318	14.1	1373	15.9	1424	17.6	1471	19.2	1512	20.8	1548	22.2	1588	23.9	---	---
18540	3600	1284	13.1	1313	14.0	1338	14.8	1393	16.6	1445	18.4	1493	20.2	1535	21.8	1572	23.3	1609	24.9	---	---
19055	3700	1312	14.0	1335	14.8	1361	15.6	1415	17.5	1467	19.3	1514	21.1	1557	22.8	1596	24.5	1631	26.0	---	---
19570	3800	1340	14.8	1357	15.5	1385	16.5	1438	18.3	1487	20.2	1534	22.1	1579	23.9	1619	25.6	1655	27.2	---	---
20085	3900	1367	15.7	1385	16.4	1408	17.3	1457	19.2	1507	21.0	1556	23.1	1601	25.0	1641	26.8	1679	28.5	---	---
20600	4000	1394	16.6	1413	17.4	1430	18.1	1479	20.1	1529	22.0	1577	24.1	1621	26.0	1663	28.0	1701	29.8	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 330
SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 33"

OUTLET AREA 6.26 SQ FT

LIMIT LOAD HP = 10.0 $\left(\frac{\text{RPM}}{1,000}\right)^3$

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5634	900	340	0.39	375	0.51	405	0.63	433	0.76	458	0.89	482	1.02	505	1.15	549	1.43	593	1.71	636	2.01
5947	950	350	0.42	385	0.55	415	0.68	442	0.81	467	0.95	491	1.09	513	1.23	556	1.52	598	1.81	639	2.11
6260	1000	359	0.46	396	0.60	425	0.73	452	0.87	477	1.01	500	1.15	522	1.30	563	1.60	603	1.91	643	2.22
6573	1050	369	0.50	406	0.65	435	0.79	462	0.93	486	1.08	509	1.23	531	1.38	572	1.70	610	2.01	648	2.34
6886	1100	378	0.54	416	0.71	445	0.85	472	1.00	496	1.15	518	1.30	540	1.46	580	1.78	618	2.12	654	2.45
7512	1200	399	0.64	435	0.82	466	0.99	492	1.14	516	1.31	538	1.47	559	1.64	598	1.98	635	2.33	669	2.70
8138	1300	421	0.75	454	0.93	486	1.13	513	1.31	536	1.48	558	1.66	578	1.83	617	2.19	652	2.57	686	2.95
8764	1400	446	0.88	475	1.06	505	1.28	533	1.48	556	1.67	578	1.86	598	2.04	636	2.43	671	2.82	704	3.23
9390	1500	470	1.03	495	1.21	524	1.43	552	1.66	577	1.88	598	2.07	618	2.28	656	2.68	691	3.10	723	3.52
10016	1600	500	1.22	518	1.39	543	1.61	572	1.85	597	2.09	619	2.32	639	2.52	676	2.95	710	3.39	742	3.83
10642	1700	528	1.43	543	1.59	565	1.80	591	2.05	616	2.31	639	2.57	660	2.80	696	3.25	730	3.71	761	4.16
11268	1800	557	1.67	567	1.80	586	2.01	610	2.27	635	2.54	659	2.82	680	3.09	717	3.57	750	4.05	781	4.54
11894	1900	585	1.92	595	2.06	611	2.27	631	2.52	655	2.80	678	3.08	699	3.37	738	3.91	769	4.40	801	4.92
12520	2000	612	2.20	624	2.36	636	2.54	652	2.77	674	3.07	697	3.37	719	3.67	758	4.27	791	4.81	821	5.33
13146	2100	640	2.50	652	2.69	659	2.83	677	3.09	695	3.37	716	3.67	737	3.98	777	4.62	812	5.22	841	5.76
13772	2200	666	2.81	681	3.05	688	3.20	702	3.43	716	3.68	737	4.00	757	4.33	797	5.00	832	5.65	863	6.25
14398	2300	696	3.20	709	3.43	717	3.60	726	3.78	742	4.07	758	4.36	776	4.68	815	5.37	851	6.07	883	6.73
15024	2400	726	3.63	736	3.83	746	4.03	752	4.18	767	4.47	780	4.74	798	5.08	835	5.79	871	6.52	903	7.24
15650	2500	756	4.09	764	4.26	775	4.50	781	4.67	791	4.89	805	5.20	818	5.49	854	6.22	890	6.97	922	7.73
16276	2600	787	4.60	791	4.72	803	4.99	810	5.18	815	5.34	830	5.67	842	5.97	874	6.69	909	7.46	942	8.26
17528	2800	847	5.73	852	5.77	858	6.06	867	6.31	874	6.51	878	6.67	892	7.04	916	7.69	947	8.50	980	9.35
18780	3000	908	7.03	912	7.08	915	7.25	923	7.57	931	7.82	937	8.03	941	8.20	965	8.95	990	9.71	1018	10.5
20032	3200	963	8.52	968	8.57	974	8.62	979	8.97	988	9.28	994	9.54	999	9.75	1014	10.3	1036	11.0	1061	11.9
21284	3400	1025	10.2	1029	10.2	1032	10.3	1036	10.4	1043	10.8	1051	11.2	1057	11.4	1065	11.8	1086	12.6	1104	13.4

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9390	1500	753	3.95	783	4.40	811	4.85	865	5.76	918	6.67	971	7.61	1023	8.59	1074	9.57	1123	10.5	1170	11.5
10016	1600	772	4.29	800	4.75	829	5.23	881	6.19	932	7.16	981	8.13	1031	9.13	1080	10.1	1127	11.2	1174	12.2
10642	1700	791	4.64	820	5.13	846	5.61	898	6.62	947	7.65	995	8.69	1041	9.72	1088	10.7	1134	11.8	1180	12.9
11268	1800	810	5.02	838	5.53	865	6.04	916	7.09	964	8.16	1009	9.24	1054	10.3	1098	11.4	1143	12.5	1186	13.7
11894	1900	830	5.44	858	5.96	884	6.49	934	7.58	982	8.70	1027	9.83	1069	10.9	1112	12.1	1153	13.2	1196	14.4
12520	2000	850	5.87	878	6.42	904	6.96	953	8.09	999	9.24	1044	10.4	1086	11.6	1126	12.8	1167	14.0	1206	15.2
13146	2100	870	6.34	897	6.90	923	7.47	972	8.63	1018	9.84	1062	11.0	1103	12.2	1144	13.5	1181	14.8	1221	16.1
13772	2200	889	6.80	917	7.42	943	8.01	991	9.20	1037	10.4	1080	11.7	1121	13.0	1161	14.2	1199	15.6	1235	16.9
14398	2300	911	7.35	937	7.94	963	8.57	1011	9.82	1057	11.0	1099	12.3	1139	13.7	1179	15.0	1216	16.4	1253	17.8
15024	2400	932	7.90	958	8.52	983	9.16	1031	10.4	1075	11.7	1118	13.1	1158	14.4	1196	15.8	1234	17.2	1269	18.6
15650	2500	953	8.46	980	9.14	1003	9.77	1051	11.1	1096	12.4	1137	13.8	1176	15.2	1215	16.7	1251	18.1	1288	19.6
16276	2600	972	9.04	1000	9.76	1025	10.4	1071	11.8	1115	13.2	1156	14.6	1195	16.1	1234	17.5	1270	19.0	1305	20.5
16902	2700	991	9.61	1020	10.4	1046	11.1	1090	12.5	1135	14.0	1177	15.5	1215	16.9	1253	18.4	1289	20.0	1324	21.5
17528	2800	1011	10.2	1039	11.0	1066	11.8	1113	13.3	1156	14.8	1196	16.3	1235	17.8	1272	19.4	1308	20.9	1343	22.5
18154	2900	1030	10.8	1059	11.7	1086	12.5	1134	14.1	1175	15.6	1216	17.2	1255	18.8	1291	20.3	1328	22.0	1361	23.6
18780	3000	1049	11.4	1078	12.4	1105	13.2	1154	15.0	1196	16.5	1237	18.2	1275	19.8	1312	21.4	1346	23.0	1381	24.7
19406	3100	1068	12.1	1096	13.0	1124	14.0	1175	15.8	1218	17.5	1256	19.1	1295	20.8	1332	22.5	1366	24.2	1400	25.9
20032	3200	1087	12.8	1116	13.8	1143	14.8	1194	16.7	1239	18.5	1277	20.2	1315	21.9	1351	23.6	1387	25.4	1419	27.0
20658	3300	1108	13.6	1135	14.6	1162	15.5	1219	17.5	1259	19.5	1299	21.3	1334	22.9	1372	24.8	1406	26.5	1440	28.3
21284	3400	1129	14.4	1154	15.3	1182	16.4	1233	18.5	1279	20.5	1320	22.4	1356	24.1	1392	25.9	1426	27.8	1460	29.6
21910	3500	1150	15.2	1175	16.2	1201	17.2	1251	19.4	1298	21.5	1340	23.5	1378	25.4	1411	27.1	1447	29.1	---	---
22536	3600	1171	16.0	1197	17.1	1219	18.1	1270	20.3	1317	22.5	1360	24.6	1399	26.6	1438	28.5	1466	30.4	---	---
23162	3700	1197	17.1	1217	18.0	1241	19.1	1290	21.3	1337	23.6	1380	25.8	1419	27.9	1455	29.9	1486	31.7	---	---
23788	3800	1222	18.1	1238	18.9	1263	20.1	1309	22.3	1355	24.6	1398	26.9	1439	29.2	1475	31.3	1508	33.2	---	---
24414	3900	1247	19.2	1263	20.1	1283	21.1	1328	23.4	1374	25.7	1418	28.1	1459	30.5	1496	32.6	1530	34.8	---	---
25040	4000	1271	20.3	1289	21.3	1303	22.1	1348	24.5	1394	26.9	1437	29.3	1477	31.7	1516	34.1	1550	36.3	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE **365**

CENTRIFUGAL FAN TYPE B

SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 36 1/2"

OUTLET AREA 7.66 SQ FT

LIMIT LOAD HP = 17.5 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6894	900	297	0.45	327	0.60	354	0.76	378	0.91	401	1.07	422	1.22	441	1.37	481	1.70	525	2.17	567	2.78
7277	950	306	0.50	336	0.65	362	0.82	386	0.98	409	1.14	429	1.30	449	1.46	485	1.78	525	2.17	567	2.78
7660	1000	316	0.55	345	0.70	371	0.87	395	1.05	417	1.22	437	1.39	457	1.56	492	1.90	528	2.26	567	2.78
8043	1050	326	0.61	353	0.76	380	0.94	403	1.12	425	1.30	445	1.49	464	1.66	500	2.02	533	2.37	567	2.78
8426	1100	336	0.67	363	0.83	388	1.00	412	1.20	433	1.39	453	1.58	473	1.77	508	2.14	540	2.51	572	2.90
9192	1200	360	0.80	382	0.97	406	1.16	429	1.35	450	1.56	470	1.77	488	1.98	523	2.39	555	2.79	585	3.20
9958	1300	384	0.97	402	1.14	425	1.33	447	1.53	467	1.75	487	1.98	505	2.21	539	2.66	571	3.09	600	3.53
10724	1400	411	1.17	425	1.33	444	1.52	465	1.74	485	1.96	504	2.20	522	2.44	555	2.93	587	3.41	616	3.88
11490	1500	437	1.40	448	1.54	464	1.76	484	1.97	503	2.20	522	2.44	539	2.69	573	3.22	603	3.73	632	4.26
12256	1600	462	1.64	473	1.80	486	2.01	503	2.23	522	2.47	540	2.71	557	2.97	590	3.51	620	4.08	648	4.63
13022	1700	488	1.92	499	2.10	510	2.28	524	2.52	541	2.75	558	3.02	575	3.28	607	3.84	637	4.43	665	5.03
13788	1800	514	2.24	526	2.44	533	2.59	546	2.84	561	3.10	577	3.35	593	3.63	625	4.19	654	4.80	682	5.43
14554	1900	539	2.58	551	2.80	560	2.98	570	3.19	581	3.45	597	3.72	613	4.00	643	4.58	671	5.20	699	5.84
15320	2000	564	2.96	576	3.18	586	3.40	593	3.56	605	3.85	617	4.13	632	4.40	661	5.01	689	5.64	716	6.31
16086	2100	589	3.36	602	3.61	612	3.85	620	4.04	628	4.27	639	4.57	652	4.87	680	5.48	708	6.12	734	6.80
16852	2200	613	3.78	628	4.09	638	4.33	646	4.56	652	4.73	663	5.05	673	5.35	699	5.95	726	6.64	751	7.31
17618	2300	639	4.29	635	4.60	663	4.85	672	5.11	679	5.31	686	5.54	697	5.88	720	6.52	745	7.20	770	7.90
18384	2400	666	4.84	678	5.15	689	5.41	698	5.69	705	5.93	710	6.12	720	6.43	740	7.11	764	7.77	788	8.51
19150	2500	692	5.43	703	5.73	714	6.03	724	6.31	731	6.58	737	6.80	742	7.00	762	7.74	784	8.43	808	9.17
19916	2600	718	6.06	728	6.34	740	6.70	749	6.96	757	7.27	764	7.52	769	7.74	785	8.42	805	9.14	827	9.84
21448	2800	769	7.45	778	7.75	791	8.14	800	8.47	808	8.77	816	9.10	822	9.37	831	9.82	849	10.6	867	11.4
22980	3000	819	9.01	831	9.42	840	9.74	851	10.1	859	10.4	867	10.8	874	11.1	884	11.7	895	12.3	912	13.2
24512	3200	869	10.7	883	11.2	890	11.5	901	12.0	910	12.4	917	12.7	925	13.1	937	13.8	946	14.4	958	15.1
26044	3400	919	12.7	934	13.3	943	13.7	950	14.1	961	14.6	969	15.0	975	15.3	989	16.1	999	16.8	1006	17.3

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11490	1500	659	4.76	685	5.27	709	5.78	756	6.79	804	7.93	857	9.26	909	11.0	958	13.0	1005	15.1	1049	16.8
12256	1600	675	5.19	700	5.72	725	6.27	770	7.34	813	8.43	859	9.67	909	11.0	958	13.0	1005	15.1	1049	16.8
13022	1700	691	5.61	717	6.20	741	6.77	786	7.92	828	9.06	868	10.2	911	11.5	958	13.0	1005	15.1	1049	16.8
13788	1800	708	6.06	733	6.68	757	7.31	802	8.52	843	9.74	883	10.9	920	12.1	962	13.5	1005	15.1	1049	16.8
14554	1900	725	6.52	749	7.18	773	7.84	818	9.15	859	10.4	898	11.7	935	12.9	970	14.2	1010	15.7	1050	17.3
15320	2000	742	7.00	766	7.70	789	8.39	833	9.79	874	11.1	913	12.4	950	13.8	985	15.1	1019	16.5	1056	18.1
16086	2100	759	7.51	783	8.24	806	8.97	849	10.4	891	11.8	929	13.2	965	14.6	1000	16.1	1033	17.5	1068	18.9
16852	2200	776	8.04	800	8.79	824	9.57	866	11.1	907	12.6	945	14.1	981	15.6	1015	17.0	1048	18.5	1080	20.0
17618	2300	794	8.63	818	9.39	840	10.1	883	11.7	922	13.3	961	14.9	997	16.5	1031	18.1	1064	19.6	1095	21.1
18384	2400	812	9.24	836	10.0	858	10.8	900	12.5	940	14.1	977	15.8	1013	17.5	1047	19.1	1080	20.7	1110	22.3
19150	2500	831	9.94	853	10.6	875	11.5	917	13.2	956	14.9	993	16.7	1029	18.4	1063	20.1	1095	21.8	1126	23.5
19916	2600	850	10.6	872	11.4	893	12.2	935	14.0	974	15.8	1010	17.6	1044	19.4	1079	21.2	1111	23.0	1142	24.7
20682	2700	869	11.4	890	12.2	911	13.0	952	14.8	991	16.6	1027	18.5	1062	20.4	1095	22.3	1127	24.1	1158	26.0
21448	2800	887	12.1	909	13.0	930	13.9	970	15.7	1008	17.5	1045	19.5	1079	21.4	1111	23.4	1143	25.3	1174	27.3
22214	2900	908	13.1	928	13.9	948	14.8	987	16.5	1025	18.5	1061	20.4	1096	22.5	1128	24.5	1159	26.5	1190	28.6
22980	3000	929	14.0	948	14.8	968	15.7	1006	17.6	1043	19.5	1079	21.5	1113	23.6	1145	25.7	1176	27.8	1205	29.8
23746	3100	949	15.0	968	15.9	987	16.7	1025	18.6	1061	20.5	1096	22.6	1130	24.7	1163	26.9	1193	29.1	1223	31.2
24512	3200	973	16.0	988	16.9	1007	17.8	1044	19.7	1079	21.7	1114	23.7	1147	25.9	1179	28.0	1211	30.4	1240	32.6
25278	3300	996	17.1	1009	18.0	1027	19.0	1063	20.8	1098	22.9	1132	24.9	1164	27.1	1197	29.4	1228	31.6	1257	34.0
26044	3400	1019	18.2	1033	19.2	1047	20.1	1081	22.0	1116	24.1	1150	26.2	1183	28.4	1214	30.7	1244	33.0	1274	35.4
26810	3500	1042	19.4	1057	20.4	1069	21.4	1102	23.3	1136	25.4	1169	27.6	1200	29.7	1231	32.0	1262	34.4	1293	36.8
27576	3600	1066	20.7	1080	21.7	1093	22.7	1122	24.7	1155	26.8	1187	29.0	1218	31.2	1250	33.5	1279	35.9	1309	38.2
28342	3700	1093	22.2	1102	22.9	1116	24.1	1142	26.1	1173	28.1	1206	30.4	1237	32.7	1267	35.0	1297	37.4	1327	39.6
29108	3800	1120	23.8	1126	24.4	1139	25.5	1163	27.6	1194	29.7	1225	32.0	1256	34.3	1285	36.6	1315	39.1	1351	42.0
29874	3900	1146	25.4	1153	26.1	1162	26.9	1187	29.2	1215	31.4	1244	33.5	1274	35.9	1304	38.3	1332	40.7	1368	43.6
30640	4000	1173	27.1	1180	27.8	1185	28.4	1210	30.8	1235	33.0	1263	35.1	1294	37.6	1323	40.1	1351	42.5	1387	45.2

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE **B** SIZE **402**

WHEEL DIA. 40 1/4"

OUTLET AREA 9.32 SQ FT

LIMIT LOAD HP = 28.61 ($\frac{RPM}{1,000}$)³

SINGLE WIDTH
SINGLE INLET

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8388	900	269	0.55	297	0.73	321	0.92	343	1.11	364	1.30	382	1.48	400	1.67	436	2.07	-----	-----	-----	-----
8854	950	278	0.61	304	0.79	329	0.99	350	1.19	371	1.39	389	1.59	407	1.78	440	2.17	476	2.64	-----	-----
9320	1000	287	0.67	313	0.86	336	1.06	358	1.28	378	1.49	397	1.69	414	1.90	447	2.31	479	2.75	514	3.28
9786	1050	296	0.74	321	0.93	344	1.14	366	1.36	385	1.59	404	1.81	421	2.02	453	2.45	483	2.89	515	3.38
10252	1100	305	0.81	329	1.01	352	1.22	373	1.46	393	1.69	411	1.92	429	2.15	460	2.60	490	3.05	519	3.53
11184	1200	326	0.98	346	1.18	368	1.41	389	1.65	408	1.90	426	2.16	443	2.41	475	2.91	504	3.40	531	3.89
12116	1300	349	1.18	365	1.39	385	1.62	405	1.87	424	2.13	442	2.41	458	2.68	489	3.23	518	3.77	544	4.30
13048	1400	373	1.43	385	1.62	402	1.85	422	2.12	440	2.39	457	2.67	474	2.97	504	3.56	532	4.15	559	4.73
13980	1500	396	1.70	406	1.88	421	2.14	439	2.40	456	2.68	473	2.97	489	3.28	519	3.91	547	4.54	573	5.18
14912	1600	419	2.00	429	2.19	441	2.45	457	2.71	473	3.01	490	3.30	505	3.62	535	4.27	562	4.96	588	5.63
15844	1700	442	2.34	453	2.56	462	2.78	475	3.07	490	3.35	506	3.67	522	3.99	551	4.67	578	5.39	603	6.12
16776	1800	466	2.73	477	2.97	484	3.15	496	3.46	509	3.77	524	4.08	538	4.41	567	5.11	593	5.84	619	6.61
17708	1900	489	3.15	500	3.40	508	3.63	517	3.88	528	4.21	542	4.53	556	4.87	583	5.57	609	6.32	634	7.11
18640	2000	512	3.60	523	3.87	532	4.14	538	4.34	549	4.69	560	5.03	573	5.36	600	6.10	625	6.86	650	7.68
19572	2100	534	4.09	546	4.40	556	4.69	562	4.92	570	5.20	580	5.57	592	5.93	617	6.67	642	7.45	666	8.27
20504	2200	556	4.61	570	4.98	579	5.28	586	5.55	591	5.76	601	6.15	610	6.51	634	7.25	659	8.08	682	8.89
21436	2300	580	5.23	593	5.60	602	5.90	610	6.22	616	6.47	622	6.74	632	7.16	653	7.94	676	8.76	699	9.62
22368	2400	604	5.89	616	6.27	625	6.58	633	6.93	640	7.22	644	7.45	653	7.83	671	8.66	693	9.45	715	10.3
23300	2500	628	6.61	638	6.97	648	7.35	656	7.68	664	8.01	669	8.28	673	8.53	691	9.43	711	10.2	733	11.1
24232	2600	651	7.38	660	7.72	672	8.16	679	8.48	687	8.86	693	9.16	697	9.42	713	10.2	730	11.1	750	11.9
26096	2800	698	9.07	706	9.44	717	9.92	726	10.3	733	10.6	740	11.0	746	11.4	754	11.9	770	12.9	787	13.9
27960	3000	743	10.9	754	11.4	762	11.8	772	12.3	779	12.7	786	13.1	793	13.6	802	14.2	812	15.0	827	16.0
29824	3200	788	13.0	801	13.7	808	14.1	818	14.6	826	15.1	832	15.5	839	16.0	850	16.8	858	17.5	869	18.4
31688	3400	834	15.4	848	16.2	855	16.7	862	17.1	872	17.8	879	18.3	885	18.7	897	19.6	906	20.5	913	21.1

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13980	1500	598	5.79	621	6.41	643	7.03	685	8.27	729	9.65	777	11.2	-----	-----	-----	-----	-----	-----	-----	-----
14912	1600	612	6.31	635	6.96	658	7.62	699	8.93	738	10.2	779	11.7	824	13.5	-----	-----	-----	-----	-----	-----
15844	1700	627	6.83	650	7.55	672	8.24	713	9.63	751	11.0	787	12.4	827	14.0	869	15.8	911	17.8	-----	-----
16776	1800	642	7.37	664	8.13	686	8.89	727	10.3	765	11.8	800	13.3	834	14.8	872	16.5	912	18.4	952	20.4
17708	1900	657	7.94	679	8.74	701	9.54	742	11.1	779	12.6	814	14.2	848	15.8	880	17.3	916	19.1	952	21.1
18640	2000	673	8.51	695	9.37	716	10.2	756	11.9	793	13.5	828	15.1	861	16.8	893	18.4	924	20.1	958	22.0
19572	2100	689	9.14	711	10.0	731	10.9	770	12.6	808	14.4	843	16.1	875	17.8	907	19.6	937	21.3	966	23.1
20504	2200	704	9.78	726	10.7	747	11.6	786	13.5	822	15.3	857	17.2	890	19.0	921	20.7	951	22.6	980	24.4
21436	2300	721	10.5	742	11.4	762	12.3	801	14.3	836	16.2	871	18.2	904	20.1	935	22.0	965	23.8	993	25.7
22368	2400	737	11.2	758	12.2	778	13.1	817	15.2	852	17.2	886	19.2	919	21.3	949	23.2	979	25.2	1007	27.1
23300	2500	754	12.1	774	13.0	794	14.0	832	16.0	868	18.2	901	20.3	933	22.4	964	24.5	993	26.5	1022	28.6
24232	2600	771	12.9	791	13.9	810	14.9	848	17.0	883	19.2	916	21.4	947	23.6	978	25.8	1008	28.0	1036	30.1
25164	2700	788	13.9	807	14.8	827	15.9	863	18.0	898	20.2	932	22.6	963	24.8	993	27.1	1022	29.4	1051	31.7
26096	2800	805	14.8	825	15.9	844	16.9	880	19.1	915	21.4	947	23.7	978	26.1	1008	28.4	1037	30.8	1065	33.2
27028	2900	824	15.9	842	16.9	860	18.0	896	20.1	930	22.5	963	24.9	994	27.4	1024	29.9	1051	32.2	1079	34.8
27960	3000	842	17.1	860	18.0	878	19.2	913	21.4	946	23.7	979	26.2	1009	28.7	1039	31.3	1067	33.8	1093	36.3
28892	3100	861	18.2	878	19.3	895	20.3	930	22.7	962	25.0	994	27.5	1025	30.1	1055	32.7	1082	35.4	1109	38.0
29824	3200	883	19.5	897	20.6	913	21.7	947	24.0	979	26.4	1011	28.9	1041	31.5	1070	34.1	1098	36.9	1125	39.7
30756	3300	904	20.8	916	21.9	932	23.1	964	25.4	996	27.9	1026	30.3	1056	33.0	1086	35.7	1114	38.5	1140	41.4
31688	3400	925	22.2	937	23.4	950	24.5	981	26.8	1012	29.3	1043	31.9	1073	34.6	1101	37.3	1129	40.1	1156	43.1
32620	3500	945	23.6	959	24.9	970	26.0	999	28.4	1030	31.0	1060	33.6	1089	36.2	1117	39.0	1145	41.9	-----	-----
33552	3600	967	25.2	979	26.4	991	27.7	1018	30.1	1047	32.6	1077	35.3	1105	37.9	1133	40.8	1160	43.7	-----	-----
34484	3700	992	27.0	1000	27.9	1013	29.3	1036	31.8	1064	34.2	1094	37.1	1122	39.8	1149	42.6	1176	45.6	-----	-----
35416	3800	1016	29.0	1021	29.7	1033	31.0	1055	33.6	1083	36.2	1112	38.9	1139	41.7	1166	44.5	1193	47.6	-----	-----
36348	3900	1040	31.0	1048	31.8	1054	32.7	1077	35.5	1102	38.2	1128	40.8	1156	43.7	1183	46.7	1208	49.5	-----	-----
37280	4000	1064	33.1	1070	33.9	1075	34.6	1098	37.5	1120	40.2	1146	42.8	1174	45.8	1200	48.8	1225	51.7	-----	-----

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE 445
SINGLE WIDTH
SINGLE INLET

CENTRIFUGAL FAN TYPE B

WHEEL DIA. 44 1/2"

OUTLET AREA 11.38 SQ FT

LIMIT LOAD HP = 47.3 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10242	900	243	0.67	268	0.89	290	1.12	310	1.36	329	1.58	346	1.81	362	2.03	394	2.52	430	3.12	-----	-----
10811	950	251	0.74	275	0.96	297	1.21	317	1.46	335	1.70	352	1.94	368	2.17	398	2.65	431	3.23	-----	-----
11380	1000	259	0.82	283	1.05	304	1.30	324	1.56	342	1.82	358	2.07	374	2.32	404	2.82	433	3.36	-----	-----
11949	1050	267	0.90	290	1.14	311	1.39	331	1.67	348	1.94	365	2.21	381	2.47	410	2.99	437	3.52	465	4.12
12518	1100	276	0.99	298	1.23	318	1.49	338	1.78	355	2.06	372	2.35	387	2.63	416	3.17	443	3.73	469	4.31
13656	1200	295	1.19	313	1.44	333	1.72	352	2.01	369	2.32	385	2.63	401	2.94	429	3.55	455	4.15	480	4.75
14794	1300	315	1.44	330	1.70	348	1.98	366	2.28	383	2.60	399	2.94	414	3.28	442	3.95	468	4.60	492	5.25
15932	1400	337	1.74	348	1.98	364	2.26	381	2.59	398	2.91	413	3.26	428	3.62	455	4.35	481	5.07	505	5.77
17070	1500	358	2.07	367	2.29	381	2.61	397	2.93	413	3.27	428	3.63	442	4.00	470	4.78	494	5.54	518	6.33
18208	1600	379	2.44	388	2.67	399	2.98	413	3.31	428	3.67	443	4.03	457	4.41	484	5.22	508	6.06	531	6.88
19346	1700	400	2.85	409	3.12	418	3.39	429	3.75	443	4.09	458	4.48	471	4.87	498	5.70	523	6.58	545	7.46
20484	1800	421	3.32	431	3.62	437	3.84	448	4.22	460	4.60	473	4.98	487	5.38	512	6.23	537	7.13	559	8.07
21622	1900	442	3.83	452	4.15	459	4.42	467	4.73	477	5.13	490	5.52	502	5.94	527	6.80	550	7.72	573	8.68
22760	2000	462	4.39	473	4.72	481	5.05	486	5.29	496	5.72	506	6.13	518	6.53	542	7.44	565	8.37	587	9.37
23898	2100	483	4.98	493	5.36	502	5.72	508	6.00	515	6.34	524	6.79	535	7.23	558	8.13	580	9.08	602	10.0
25036	2200	502	5.61	515	6.07	523	6.43	530	6.76	534	7.02	544	7.49	552	7.94	573	8.84	595	9.86	616	10.8
26174	2300	524	6.37	536	6.83	544	7.20	551	7.58	556	7.88	562	8.22	571	8.73	590	9.68	611	10.6	632	11.7
27312	2400	546	7.18	556	7.64	564	8.03	572	8.45	578	8.80	582	9.08	590	9.55	607	10.5	626	11.5	646	12.6
28450	2500	567	8.06	577	8.50	586	8.95	593	9.37	600	9.77	604	10.1	608	10.4	625	11.4	643	12.5	662	13.6
29588	2600	588	8.99	597	9.41	607	9.94	614	10.3	621	10.8	626	11.1	630	11.4	644	12.5	660	13.5	678	14.6
31864	2800	630	11.0	638	11.5	648	12.0	656	12.5	662	13.0	669	13.5	674	13.9	681	14.5	696	15.8	711	17.0
34140	3000	672	13.3	681	13.9	688	14.4	698	15.1	704	15.5	711	16.0	716	16.5	725	17.4	734	18.3	747	19.6
36416	3200	712	15.9	724	16.7	730	17.2	739	17.8	746	18.5	752	18.9	758	19.5	768	20.5	775	21.3	785	22.4
38692	3400	754	18.8	766	19.8	773	20.4	779	20.9	788	21.7	794	22.3	800	22.8	811	24.0	819	24.9	825	25.8

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
17070	1500	541	7.07	562	7.82	582	8.58	620	10.0	659	11.7	703	13.7	-----	-----	-----	-----	-----	-----	-----	-----
18208	1600	554	7.71	574	8.49	594	9.31	632	10.9	667	12.5	705	14.3	745	16.4	-----	-----	-----	-----	-----	-----
19346	1700	567	8.34	588	9.22	607	10.0	644	11.7	679	13.4	712	15.1	748	17.1	786	19.4	-----	-----	-----	-----
20484	1800	580	9.00	601	9.93	621	10.8	657	12.6	692	14.4	724	16.2	755	18.0	789	20.1	824	22.5	-----	-----
21622	1900	594	9.69	614	10.6	634	11.6	670	13.5	704	15.4	736	17.3	767	19.3	796	21.2	828	23.4	861	25.8
22760	2000	608	10.3	628	11.4	647	12.4	683	14.5	717	16.5	749	18.5	779	20.5	808	22.5	835	24.5	866	26.9
23898	2100	623	11.1	642	12.2	661	13.3	696	15.4	730	17.6	762	19.7	791	21.8	820	23.9	847	26.0	874	28.2
25036	2200	637	11.9	656	13.0	675	14.2	710	16.4	743	18.7	775	21.0	805	23.2	832	25.3	860	27.5	886	29.8
26174	2300	651	12.8	671	13.9	689	15.1	724	17.5	756	19.8	788	22.2	817	24.5	846	26.8	872	29.1	898	31.4
27312	2400	666	13.7	685	14.9	703	16.0	738	18.5	770	21.0	801	23.5	831	26.0	858	28.3	885	30.8	911	33.1
28450	2500	681	14.7	699	15.8	718	17.1	752	19.6	784	22.2	814	24.8	844	27.4	872	29.9	898	32.4	924	34.9
29588	2600	697	15.8	715	17.0	732	18.2	767	20.8	799	23.5	829	26.2	856	28.8	885	31.5	911	34.2	936	36.7
30726	2700	712	16.9	730	18.1	747	19.4	780	22.0	812	24.7	842	27.5	871	30.3	898	33.1	924	35.9	950	38.6
31864	2800	728	18.0	746	19.4	763	20.6	795	23.3	827	26.1	857	29.0	885	31.9	911	34.7	937	37.6	963	40.5
33002	2900	745	19.4	761	20.6	778	22.0	810	24.6	840	27.4	870	30.4	899	33.5	925	36.5	950	39.3	976	42.4
34140	3000	761	20.8	777	22.0	794	23.4	825	26.1	856	29.0	885	32.0	913	35.0	939	38.2	965	41.3	989	44.3
35278	3100	778	22.2	794	23.6	809	24.8	840	27.7	870	30.5	898	33.5	927	36.7	953	40.0	979	43.2	1003	46.3
36416	3200	798	23.8	810	25.1	825	26.4	856	29.3	885	32.2	914	35.3	941	38.5	967	41.7	993	45.1	1017	48.4
37554	3300	817	25.4	828	26.8	842	28.2	872	31.0	900	34.0	928	37.0	955	40.2	982	43.6	1007	47.0	1031	50.5
38692	3400	836	27.1	847	28.5	859	29.9	887	32.7	915	35.8	943	38.9	970	42.2	996	45.6	1020	49.0	1045	52.6
39830	3500	854	28.8	866	30.3	877	31.8	903	34.6	931	37.8	958	41.0	984	44.2	1010	47.8	1035	51.2	-----	-----
40968	3600	874	30.7	885	32.2	896	33.7	920	36.7	947	39.8	973	43.0	999	46.3	1025	49.8	1049	53.3	-----	-----
42106	3700	896	33.0	904	34.1	915	35.8	937	38.8	962	41.7	989	45.2	1015	48.6	1039	52.0	1063	55.6	-----	-----
43244	3800	918	35.3	923	36.2	934	37.8	953	41.0	979	44.1	1005	47.5	1030	50.9	1054	54.4	1078	58.0	-----	-----
44382	3900	940	37.8	945	38.7	952	39.9	973	43.3	998	46.6	1020	49.8	1045	53.3	1069	56.9	1092	60.4	-----	-----
45520	4000	961	40.3	967	41.3	972	42.2	992	45.7	1012	49.0	1036	52.2	1061	55.9	1084	59.5	1108	63.1	-----	-----

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE **490**
SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 49"

OUTLET AREA 13.81 SQ FT

LIMIT LOAD HP = 76.5 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
12429	900	221	0.82	244	1.08	264	1.37	282	1.65	299	1.92	314	2.19	329	2.47	358	3.06				
13119	950	228	0.90	250	1.17	270	1.47	288	1.77	305	2.06	320	2.35	334	2.64	361	3.22	391	3.92		
13810	1000	235	0.99	257	1.27	276	1.58	294	1.89	310	2.21	326	2.51	340	2.81	367	3.42	393	4.08	422	4.86
14500	1050	243	1.10	264	1.38	283	1.69	300	2.02	316	2.35	332	2.68	346	3.00	372	3.63	397	4.28	423	5.00
15191	1100	251	1.21	270	1.50	289	1.81	307	2.16	323	2.50	338	2.85	352	3.19	378	3.85	402	4.52	426	5.23
16572	1200	268	1.45	285	1.75	303	2.08	320	2.44	335	2.82	350	3.20	364	3.57	390	4.31	414	5.04	436	5.76
17953	1300	286	1.74	300	2.06	316	2.40	333	2.76	348	3.16	363	3.57	376	3.98	402	4.79	425	5.58	447	6.37
19334	1400	306	2.11	316	2.41	331	2.75	346	3.14	361	3.54	376	3.96	389	4.40	414	5.27	437	6.16	459	7.00
20715	1500	326	2.52	333	2.78	346	3.17	361	3.56	375	3.97	389	4.40	402	4.86	427	5.80	449	6.73	471	7.68
22096	1600	345	2.97	352	3.25	362	3.62	375	4.02	389	4.45	402	4.89	415	5.35	439	6.33	462	7.35	483	8.35
23477	1700	363	3.46	372	3.80	380	4.12	390	4.55	403	4.97	416	5.44	428	5.91	452	6.92	475	7.99	495	9.06
24858	1800	383	4.04	392	4.40	397	4.67	407	5.13	418	5.58	430	6.04	442	6.54	465	7.56	487	8.66	508	9.80
26239	1900	402	4.66	411	5.04	417	5.37	424	5.75	433	6.23	445	6.71	456	7.22	479	8.26	500	9.37	521	10.5
27620	2000	420	5.33	429	5.74	437	6.13	442	6.42	451	6.95	460	7.45	471	7.93	493	9.04	514	10.1	534	11.3
29001	2100	439	6.05	448	6.51	456	6.95	462	7.29	468	7.70	476	8.25	486	8.78	507	9.88	527	11.0	547	12.2
30382	2200	457	6.82	468	7.38	475	7.82	481	8.22	486	8.54	494	9.10	501	9.65	521	10.7	541	11.9	560	13.1
31763	2300	476	7.74	487	8.30	494	8.74	501	9.21	506	9.58	511	9.99	519	10.6	536	11.7	555	12.9	574	14.2
33144	2400	496	8.73	506	9.29	513	9.75	520	10.2	525	10.6	529	11.0	536	11.6	551	12.8	569	14.0	587	15.3
34525	2500	515	9.79	524	10.3	532	10.8	539	11.3	545	11.8	549	12.2	553	12.6	568	13.9	584	15.2	602	16.5
35906	2600	535	10.9	542	11.4	552	12.0	558	12.5	564	13.1	569	13.5	573	13.9	585	15.1	599	16.4	616	17.7
38668	2800	573	13.4	580	13.9	589	14.6	596	15.2	602	15.8	608	16.4	612	16.9	619	17.7	633	19.2	646	20.6
41430	3000	610	16.2	619	16.9	626	17.5	634	18.3	640	18.9	646	19.5	651	20.1	659	21.1	667	22.2	679	23.8
44192	3200	647	19.3	658	20.3	663	20.9	671	21.7	678	22.4	684	23.0	689	23.7	698	24.9	705	25.9	714	27.3
46954	3400	685	22.9	696	24.1	702	24.8	708	25.4	716	26.3	722	27.1	727	27.7	737	29.1	744	30.3	750	31.3

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
20715	1500	491	6.58	510	9.49	528	10.4	563	12.2	599	14.2	638	16.7								
22096	1600	503	9.35	522	10.3	540	11.3	574	13.2	606	15.2	640	17.4	677	20.0						
23477	1700	515	10.1	534	11.1	552	12.2	585	14.2	617	16.3	646	18.4	679	20.8	714	23.5	748	26.3		
24858	1800	527	10.9	546	12.0	564	13.1	597	15.3	628	17.5	657	19.7	685	21.9	716	24.5	749	27.3		
26239	1900	540	11.7	558	12.9	576	14.1	609	16.5	640	18.8	669	21.1	696	23.4	723	25.7	752	28.4	782	31.3
27620	2000	553	12.6	571	13.8	588	15.1	621	17.6	651	20.0	680	22.5	708	24.9	734	27.3	759	29.8	787	32.6
29001	2100	566	13.5	584	14.8	601	16.1	633	18.7	664	21.4	692	23.9	719	26.4	745	29.0	770	31.6	794	34.2
30382	2200	578	14.4	596	15.8	614	17.2	645	20.0	675	22.7	704	25.4	731	28.1	756	30.8	781	33.5	805	36.1
31763	2300	592	15.5	609	16.9	626	18.3	658	21.2	687	24.0	716	27.0	743	29.8	768	32.6	792	35.3	816	38.2
33144	2400	605	16.6	623	18.0	639	19.5	671	22.5	700	25.5	728	28.5	755	31.5	780	34.4	804	37.4	827	40.2
34525	2500	619	17.9	636	19.2	652	20.7	683	23.8	713	27.0	740	30.1	766	33.3	792	36.4	816	39.3	839	42.4
35906	2600	633	19.2	650	20.6	665	22.1	696	25.2	726	28.5	753	31.8	778	34.9	804	38.3	828	41.5	851	44.6
37287	2700	647	20.5	663	22.0	679	23.5	709	26.7	738	30.0	765	33.4	791	36.8	815	40.2	840	43.6	863	46.9
38668	2800	661	21.9	678	23.5	693	25.1	723	28.3	751	31.7	778	35.2	804	38.7	828	42.2	852	45.7	875	49.2
40049	2900	677	23.6	692	25.1	707	26.7	736	29.8	764	33.3	791	36.9	817	40.6	841	44.3	863	47.8	887	51.5
41430	3000	692	25.3	706	26.7	721	28.4	750	31.7	777	35.2	804	38.8	829	42.5	853	46.4	876	50.1	898	53.8
42811	3100	707	27.0	722	28.6	735	30.1	763	33.6	790	37.0	816	40.7	842	44.6	866	48.5	889	52.4	911	56.3
44192	3200	725	28.9	736	30.5	750	32.1	778	35.6	804	39.1	830	42.8	855	46.7	879	50.6	902	54.8	924	58.8
45573	3300	742	30.9	752	32.5	765	34.2	792	37.6	818	41.3	843	44.9	868	48.9	892	53.0	915	57.1	937	61.3
46954	3400	759	32.9	770	34.7	780	36.3	806	39.7	832	43.5	857	47.3	881	51.3	905	55.3	927	59.5	949	63.9
48335	3500	776	34.9	787	36.9	797	38.6	821	42.1	846	45.9	871	49.8	894	53.6	917	57.8	940	62.1		
49716	3600	794	37.3	804	39.1	814	41.0	836	44.6	860	48.3	884	52.3	908	56.2	931	60.5	953	64.7		
51097	3700	815	40.1	821	41.4	832	43.5	851	47.2	874	50.7	899	54.9	922	59.0	944	63.1	966	67.6		
52478	3800	834	42.9	839	44.0	849	46.0	866	49.8	890	53.6	913	57.7	935	61.9	958	66.0	980	70.5		
53859	3900	854	45.9	859	47.1	865	48.5	884	52.6	905	56.6	927	60.4	949	64.8	972	69.2	992	73.4		
55240	4000	874	49.0	879	50.3	883	51.3	902	55.6	920	59.6	941	63.4	964	67.9	985	72.3	1006	76.7		

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE **542**

CENTRIFUGAL FAN TYPE B

SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 54 1/4"

OUTLET AREA 16.92 SQ FT

LIMIT LOAD HP = 127 (RPM/1,000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
15228	900	200	1.00	220	1.33	238	1.67	255	2.02	270	2.35	284	2.69	297	3.02	323	3.75	353	4.80	381	5.95
16074	950	206	1.10	226	1.43	244	1.80	260	2.16	275	2.53	289	2.88	302	3.23	326	3.94	355	5.00	382	6.13
16920	1000	213	1.21	232	1.56	250	1.93	265	2.32	280	2.70	294	3.07	307	3.45	331	4.20	358	5.24	382	6.13
17766	1050	219	1.34	238	1.69	255	2.07	271	2.48	286	2.88	300	3.28	312	3.67	336	4.45	358	5.24	382	6.13
18612	1100	226	1.48	244	1.83	261	2.22	277	2.64	291	3.06	305	3.49	318	3.90	341	4.72	363	5.53	385	6.41
20304	1200	242	1.78	257	2.14	273	2.55	289	2.99	303	3.45	316	3.92	329	4.37	352	5.28	374	6.17	394	7.06
21996	1300	259	2.14	271	2.52	286	2.94	300	3.39	314	3.87	328	4.37	340	4.87	363	5.87	384	6.83	404	7.80
23688	1400	276	2.59	286	2.95	298	3.36	313	3.85	326	4.33	339	4.85	351	5.39	374	6.46	395	7.54	414	8.58
25380	1500	294	3.09	301	3.41	312	3.88	326	4.36	339	4.86	351	5.39	363	5.95	385	7.11	406	8.24	425	9.41
27072	1600	311	3.63	318	3.97	327	4.44	339	4.92	351	5.45	363	5.99	375	6.57	397	7.76	417	9.01	436	10.2
28764	1700	328	4.24	336	4.65	343	5.04	352	5.57	364	6.08	375	6.66	387	7.24	408	8.48	429	9.79	447	11.1
30456	1800	345	4.94	354	5.38	359	5.72	368	6.28	378	6.84	388	7.40	399	8.01	420	9.27	440	10.6	459	12.0
32148	1900	363	5.71	371	6.17	377	6.58	383	7.04	391	7.63	402	8.22	412	8.84	432	10.1	452	11.4	470	12.9
33840	2000	379	6.53	388	7.02	394	7.51	399	7.87	407	8.51	415	9.12	425	9.72	445	11.0	464	12.4	482	13.9
35532	2100	396	7.41	405	7.97	412	8.51	417	8.92	423	9.43	430	10.1	439	10.7	458	12.0	476	13.5	494	15.0
37224	2200	412	8.35	422	9.03	429	9.57	435	10.0	438	10.4	446	11.1	453	11.8	470	13.1	488	14.6	506	16.1
38916	2300	430	9.48	439	10.1	446	10.7	452	11.2	457	11.7	461	12.2	469	12.9	484	14.4	501	15.8	518	17.4
40608	2400	448	10.6	456	11.3	463	11.9	470	12.5	474	13.0	478	13.5	484	14.2	498	15.7	514	17.1	530	18.7
42300	2500	465	11.9	473	12.6	481	13.3	487	13.9	492	14.5	496	15.0	499	15.4	513	17.1	528	18.6	544	20.2
43992	2600	483	13.3	490	14.0	498	14.7	504	15.3	509	16.0	514	16.6	517	17.0	528	18.5	541	20.1	556	21.7
47376	2800	517	16.4	524	17.1	532	17.9	538	18.7	544	19.3	549	20.0	553	20.6	559	21.7	571	23.5	584	25.2
50760	3000	551	19.8	559	20.8	565	21.5	573	22.4	578	23.1	583	23.9	588	24.6	595	25.9	602	27.2	613	29.1
54144	3200	585	23.7	594	24.9	599	25.5	606	26.6	613	27.5	617	28.2	622	29.0	630	30.5	636	31.7	644	33.4
57528	3400	618	28.0	628	29.5	634	30.3	639	31.1	646	32.3	652	33.2	656	33.9	665	35.7	672	37.1	677	38.3

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
25380	1500	443	10.5	461	11.6	477	12.7	508	15.0	541	17.5	576	20.4	612	24.5	645	28.8	676	33.4	706	37.1
27072	1600	454	11.4	471	12.6	488	13.8	518	16.2	547	18.6	578	21.3	613	25.5	645	28.8	676	33.4	706	37.1
28764	1700	465	12.4	482	13.7	498	14.9	529	17.4	557	20.0	584	22.5	613	25.5	645	28.8	676	33.4	706	37.1
30456	1800	476	13.3	493	14.7	509	16.1	539	18.8	567	21.5	594	24.1	619	26.8	647	30.0	676	33.4	706	37.1
32148	1900	488	14.4	504	15.8	520	17.3	550	20.2	578	23.0	604	25.8	629	28.7	653	31.5	679	34.8	707	38.3
33840	2000	499	15.4	515	17.0	531	18.5	561	21.6	588	24.5	614	27.5	639	30.5	663	33.5	685	36.5	710	39.9
35532	2100	511	16.5	527	18.1	542	19.8	571	23.0	599	26.2	625	29.3	649	32.4	673	35.6	695	38.7	717	41.9
37224	2200	522	17.7	539	19.4	554	21.1	583	24.5	610	27.9	636	31.2	660	34.5	683	37.7	705	41.0	727	44.3
38916	2300	534	19.0	550	20.7	565	22.4	594	26.0	620	29.5	646	33.0	671	36.5	694	39.9	716	43.3	737	46.8
40608	2400	546	20.4	562	22.1	577	23.9	606	27.6	632	31.3	657	34.9	681	38.6	704	42.2	726	45.8	747	49.3
42300	2500	559	21.9	574	23.6	589	25.4	617	29.1	643	33.1	668	36.9	692	40.7	715	44.8	737	48.2	758	52.0
43992	2600	572	23.5	587	25.3	601	27.0	629	30.9	655	34.9	680	38.9	703	42.8	726	46.9	748	50.8	768	54.8
45684	2700	585	25.2	599	27.0	613	28.8	640	32.7	666	36.7	691	41.0	714	45.1	736	49.2	758	53.4	779	57.5
47376	2800	597	26.9	612	28.8	626	30.7	653	34.6	678	38.8	703	43.1	726	47.4	747	51.6	769	56.0	790	60.3
49068	2900	611	28.9	625	30.7	638	32.7	664	36.6	690	40.8	714	45.2	737	49.8	759	54.2	779	58.5	801	63.1
50760	3000	625	31.0	638	32.7	651	34.8	677	38.9	702	43.1	726	47.6	749	52.1	771	56.8	791	61.4	811	65.9
52452	3100	638	33.1	651	35.1	664	36.9	689	41.2	714	45.3	737	49.9	760	54.6	782	59.4	803	64.2	823	68.9
54144	3200	654	35.4	665	37.4	677	39.3	702	43.6	726	47.9	750	52.5	772	57.2	793	62.0	815	67.1	834	72.0
55836	3300	670	37.8	679	39.8	691	41.8	715	46.1	739	50.6	761	55.1	783	59.9	805	64.9	826	70.0	846	75.1
57528	3400	686	40.3	695	42.5	705	44.5	728	48.6	751	53.3	774	57.9	796	62.8	817	67.8	837	72.9	857	78.3
59220	3500	701	42.8	711	45.2	719	47.3	741	51.5	764	56.2	786	61.0	808	65.7	828	70.8	849	76.1	869	81.9
60912	3600	717	45.7	726	47.9	735	50.2	755	54.6	777	59.2	799	64.0	820	68.9	841	74.1	861	79.3	881	84.9
62604	3700	735	49.1	741	50.7	751	53.2	769	57.8	789	62.1	811	67.3	832	72.3	852	77.3	873	82.8	893	88.9
64296	3800	753	52.6	757	53.9	766	56.3	782	61.0	803	65.7	824	70.7	845	75.8	865	80.9	885	86.3	905	91.9
65988	3900	771	56.2	776	57.6	781	59.4	798	64.5	817	69.3	837	74.0	857	79.4	877	84.7	896	89.9	916	96.9
67680	4000	789	60.0	794	61.5	797	62.9	814	68.1	831	72.9	850	77.7	870	83.2	890	88.5	909	93.9	926	101.9

Performance based on air at .075 lb per cu ft density (70F), 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE **B** SIZE **600**

WHEEL DIA. 60"

OUTLET AREA 20.71 SQ FT

LIMIT LOAD HP = 210 $(\frac{RPM}{1,000})^3$

SINGLE WIDTH
SINGLE INLET

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
18638	900	181	1.23	199	1.62	215	2.05	230	2.47	244	2.88	257	3.29	268	3.70	292	4.59	319	5.87	345	7.50
19674	950	186	1.35	204	1.76	221	2.21	235	2.65	249	3.09	261	3.52	273	3.96	295	4.83	319	5.87	345	7.50
20710	1000	192	1.49	210	1.91	226	2.36	240	2.84	254	3.31	266	3.76	278	4.22	300	5.14	321	6.12	345	7.50
21745	1050	198	1.65	215	2.07	231	2.54	245	3.03	258	3.52	271	4.02	283	4.49	304	5.45	324	6.42	345	7.50
22781	1100	205	1.81	221	2.24	236	2.72	251	3.23	263	3.75	276	4.27	288	4.78	309	5.77	329	6.78	348	7.84
24852	1200	219	2.18	232	2.63	247	3.13	261	3.66	274	4.23	286	4.79	297	5.35	318	6.46	338	7.55	356	8.64
26923	1300	234	2.62	245	3.09	258	3.60	272	4.15	284	4.74	296	5.35	307	5.96	328	7.18	347	8.37	365	9.55
28994	1400	250	3.17	258	3.61	270	4.12	283	4.71	295	5.31	307	5.94	318	6.60	338	7.91	357	9.23	375	10.5
31065	1500	266	3.78	272	4.17	283	4.75	294	5.33	306	5.96	317	6.60	328	7.29	348	8.70	367	10.0	385	11.5
33136	1600	281	4.45	288	4.87	296	5.43	306	6.03	318	6.68	328	7.34	339	8.04	359	9.49	377	11.0	394	12.5
35207	1700	297	5.20	304	5.69	310	6.18	319	6.82	329	7.45	340	8.16	350	8.87	369	10.3	388	11.9	405	13.5
37278	1800	313	6.06	320	6.59	324	7.01	333	7.70	341	8.37	351	9.06	361	9.81	380	11.3	398	12.9	415	14.7
39349	1900	328	6.99	335	7.56	341	8.06	347	8.63	354	9.34	363	10.0	373	10.8	391	12.3	408	14.0	425	15.8
41420	2000	343	8.00	351	8.61	357	9.20	361	9.64	368	10.4	376	11.1	384	11.9	402	13.5	419	15.2	436	17.0
43491	2100	358	9.08	366	9.77	373	10.4	377	10.9	382	11.5	389	12.3	397	13.1	414	14.8	431	16.5	447	18.3
45562	2200	373	10.2	382	11.0	388	11.7	393	12.3	397	12.8	403	13.6	409	14.4	425	16.1	442	17.9	457	19.7
47633	2300	389	11.6	398	12.4	404	13.1	409	13.8	413	14.3	417	14.9	424	15.9	438	17.6	453	19.4	469	21.3
49704	2400	405	13.1	413	13.9	419	14.6	425	15.4	429	16.0	432	16.5	438	17.4	450	19.2	465	21.0	480	23.0
51775	2500	421	14.6	428	15.5	435	16.3	440	17.0	445	17.8	449	18.4	452	18.9	464	20.9	477	22.8	492	24.8
53846	2600	437	16.4	443	17.1	450	18.1	456	18.8	461	19.6	465	20.3	468	20.9	478	22.7	490	24.7	503	26.6
57988	2800	468	20.1	474	20.9	481	22.0	487	22.9	492	23.7	497	24.6	500	25.3	506	26.5	517	28.8	528	30.9
62130	3000	499	24.3	506	25.4	511	26.3	518	27.5	523	28.3	527	29.3	532	30.2	538	31.7	545	33.3	555	35.7
66272	3200	529	29.0	537	30.5	542	31.3	548	32.6	554	33.7	558	34.5	563	35.6	570	37.4	575	38.9	583	40.9
70414	3400	559	34.3	569	36.1	574	37.2	578	38.1	585	39.5	590	40.6	594	41.5	602	43.7	608	45.5	612	47.0

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
31065	1500	401	12.8	417	14.2	432	15.6	460	18.3	489	21.4	521	25.0	553	29.9	583	35.3	611	39.5	638	45.4
33136	1600	411	14.0	426	15.4	441	16.9	469	19.8	495	22.8	523	26.1	555	31.2	583	35.3	611	39.5	638	45.4
35207	1700	421	15.1	436	16.7	451	18.3	478	21.4	504	24.5	528	27.6	555	31.2	583	35.3	611	39.5	638	45.4
37278	1800	431	16.3	446	18.0	460	19.7	488	23.0	513	26.3	537	29.6	560	32.9	585	36.7	612	40.9	638	45.4
39349	1900	441	17.6	456	19.4	470	21.2	497	24.7	523	28.2	546	31.6	569	35.1	590	38.6	614	42.6	639	46.9
41420	2000	451	18.9	466	20.8	480	22.7	507	26.4	532	30.1	556	33.7	578	37.4	599	41.0	620	44.7	642	48.9
43491	2100	462	20.3	477	22.2	491	24.2	517	28.1	542	32.1	565	35.9	587	39.7	608	43.6	629	47.4	648	51.3
45562	2200	472	21.7	487	23.7	501	25.8	527	30.0	552	34.1	575	38.2	597	42.2	618	46.1	638	50.2	657	54.2
47633	2300	483	23.3	498	25.3	511	27.5	537	31.8	561	36.1	585	40.5	607	44.7	627	48.9	647	53.0	666	57.3
49704	2400	494	25.0	508	27.1	522	29.3	548	33.8	572	38.3	594	42.8	616	47.3	637	51.6	657	56.1	676	60.4
51775	2500	506	26.8	519	28.9	533	31.1	558	35.7	582	40.5	604	45.1	626	49.9	647	54.6	666	59.0	685	63.7
53846	2600	517	28.8	531	30.9	543	33.1	569	37.9	593	42.7	615	47.7	635	52.4	656	57.4	676	62.3	695	66.9
55917	2700	529	30.8	542	33.1	555	35.3	579	40.0	603	45.0	625	50.2	646	55.2	666	60.3	686	65.4	705	70.4
57988	2800	540	32.9	553	35.3	566	37.6	590	42.4	613	47.5	636	52.7	656	58.1	676	63.2	696	68.6	714	73.8
60059	2900	553	35.4	565	37.6	577	40.0	601	44.8	624	50.0	646	55.4	667	60.9	687	66.4	705	71.7	724	77.3
62130	3000	565	38.0	577	40.1	589	42.6	612	47.6	635	52.8	657	58.2	677	63.8	697	69.5	716	75.2	733	80.7
64201	3100	577	40.6	589	43.0	600	45.2	624	50.4	645	55.5	667	61.1	688	66.9	707	72.8	726	78.6	744	84.4
66272	3200	592	43.4	602	45.8	613	48.2	635	53.4	657	58.7	678	64.3	698	70.1	718	75.9	737	82.2	755	88.2
68343	3300	606	46.4	614	48.8	625	51.4	647	56.5	668	62.0	689	67.4	709	73.3	728	79.5	747	85.7	765	92.0
70414	3400	620	49.4	629	52.0	637	54.5	658	59.6	679	65.2	700	70.9	720	76.9	739	83.0	757	89.3	775	95.8
72485	3500	634	52.4	643	55.3	651	57.9	670	63.1	691	68.8	711	74.7	730	80.5	749	86.7	768	93.2	783	100.0
74556	3600	649	56.0	657	58.7	665	61.5	683	66.9	703	72.5	722	78.4	741	84.3	760	90.7	778	97.1	793	106.0
76627	3700	665	60.1	671	62.2	679	65.2	695	70.8	714	76.1	734	82.4	753	88.6	771	94.7	789	101	808	111.0
78698	3800	682	64.4	685	66.0	693	69.0	708	74.7	727	80.5	746	86.5	764	92.8	782	99.0	800	105	823	116.0
80769	3900	698	68.9	702	70.6	707	72.8	722	79.0	739	84.9	757	90.7	775	97.2	794	103	811	110	838	121.0
82840	4000	714	73.5	718	75.4	721	77.0	737	83.4	751	89.4	769	95.2	787	101	805	108	822	115	853	126.0

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE 660
SINGLE WIDTH
SINGLE INLET

CENTRIFUGAL FAN TYPE **B**

WHEEL DIA. 66"

OUTLET AREA 25.05 SQ FT

LIMIT LOAD HP = 339 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
22545	900	164	1.48	181	1.96	196	2.48	209	2.99	222	3.48	233	3.98	244	4.48	266	5.55				
23797	950	169	1.64	186	2.12	200	2.67	214	3.21	226	3.74	237	4.26	248	4.79	268	5.84	290	7.10		
25050	1000	175	1.80	191	2.30	205	2.86	218	3.43	230	4.00	242	4.55	252	5.10	272	6.21	292	7.40	313	8.81
26302	1050	180	1.99	196	2.50	210	3.07	223	3.67	235	4.26	246	4.86	257	5.43	277	6.59	295	7.76	314	9.08
27555	1100	186	2.19	201	2.71	215	3.29	228	3.91	239	4.54	251	5.16	261	5.78	281	6.98	299	8.20	316	9.48
30060	1200	199	2.63	211	3.18	225	3.78	237	4.43	249	5.11	260	5.80	270	6.48	289	7.81	307	9.13	324	10.4
32565	1300	213	3.16	222	3.74	235	4.36	247	5.01	258	5.73	269	6.47	279	7.21	298	8.69	316	10.1	332	11.5
35070	1400	227	3.83	235	4.36	245	4.98	257	5.70	268	6.42	279	7.19	289	7.98	307	9.57	325	11.1	341	12.7
37575	1500	242	4.57	248	5.04	257	5.74	268	6.45	278	7.20	289	7.98	298	8.81	317	10.5	333	12.2	350	13.9
40080	1600	256	5.38	261	5.89	269	6.57	278	7.29	289	8.07	298	8.87	308	9.72	326	11.4	343	13.3	358	15.1
42585	1700	270	6.28	276	6.88	282	7.47	290	8.25	299	9.01	309	9.87	318	10.7	336	12.5	352	14.4	368	16.4
45090	1800	284	7.32	291	7.97	295	8.47	302	9.31	310	10.1	319	10.9	328	11.8	346	13.7	362	15.7	377	17.7
47595	1900	298	8.45	305	9.14	310	9.74	315	10.4	322	11.3	330	12.1	339	13.0	355	14.9	371	16.9	386	19.1
50100	2000	312	9.67	319	10.4	324	11.1	328	11.6	335	12.6	341	13.5	349	14.3	366	16.4	381	18.4	396	20.6
52605	2100	326	10.9	333	11.8	339	12.6	343	13.2	347	13.9	354	14.9	361	15.9	376	17.9	391	20.0	406	22.2
55110	2200	339	12.3	347	13.3	353	14.1	357	14.9	360	15.4	367	16.5	372	17.5	387	19.4	402	21.7	416	23.9
57615	2300	354	14.0	361	15.0	367	15.8	372	16.7	375	17.3	379	18.1	385	19.2	398	21.3	412	23.5	426	25.8
60120	2400	368	15.8	375	16.8	381	17.6	386	18.6	390	19.3	393	20.0	398	21.0	409	23.2	423	25.4	436	27.8
62625	2500	383	17.7	389	18.7	395	19.7	400	20.6	405	21.5	408	22.2	410	22.9	421	25.3	434	27.5	447	30.0
65130	2600	397	19.8	403	20.7	409	21.9	414	22.7	419	23.7	422	24.6	425	25.3	434	27.5	445	29.8	457	32.1
70140	2800	425	24.3	431	25.3	437	26.6	443	27.7	447	28.6	451	29.7	455	30.6	459	32.1	470	34.9	480	37.4
75150	3000	453	29.4	460	30.8	464	31.8	471	33.2	475	34.3	479	35.4	483	36.5	489	38.3	495	40.3	504	43.2
80160	3200	481	35.1	488	36.9	492	37.9	498	39.4	504	40.7	507	41.8	511	43.0	518	45.3	523	47.0	530	49.5
85170	3400	508	41.5	517	43.7	521	44.9	525	46.1	532	47.8	536	49.1	539	50.2	547	52.8	552	55.0	556	56.8

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
37575	1500	365	15.5	379	17.2	392	18.8	418	22.2	445	25.9	474	30.2								
40080	1600	373	16.9	387	18.7	401	20.4	426	23.9	450	27.5	475	31.6	503	36.2						
42585	1700	382	18.3	396	20.2	410	22.1	435	25.8	458	29.6	480	33.4	504	37.7	530	42.7				
45090	1800	391	19.8	405	21.8	419	23.9	443	27.8	466	31.8	488	35.8	509	39.8	532	44.4	556	49.5	580	54.9
47595	1900	401	21.3	414	23.4	427	25.6	452	29.9	475	34.1	497	38.2	517	42.4	537	46.7	558	51.5	581	56.8
50100	2000	410	22.8	424	25.1	436	27.4	461	32.0	484	36.4	505	40.8	525	45.2	545	49.6	563	54.1	584	59.2
52605	2100	420	24.5	433	26.9	446	29.3	470	34.0	493	38.8	514	43.4	534	48.0	553	52.7	571	57.4	589	62.0
55110	2200	429	26.2	443	28.7	455	31.2	479	36.3	501	41.3	523	46.2	543	51.0	561	55.8	580	60.7	597	65.6
57615	2300	439	28.2	452	30.7	465	33.2	488	38.5	510	43.7	531	49.0	551	54.1	570	59.2	588	64.2	606	69.3
60120	2400	449	30.2	462	32.8	474	35.4	498	40.9	520	46.3	540	51.8	560	57.2	579	62.4	597	67.8	614	73.0
62625	2500	460	32.5	472	34.9	484	37.7	507	43.2	529	49.0	549	54.6	569	60.3	588	66.0	606	71.4	623	77.0
65130	2600	470	34.8	482	37.4	494	40.1	517	45.8	539	51.7	559	57.7	578	63.4	597	69.5	615	75.3	632	80.9
67635	2700	481	37.3	492	40.0	504	42.7	526	48.4	548	54.4	568	60.7	587	66.8	605	72.9	623	79.1	641	85.1
70140	2800	491	39.8	503	42.7	514	45.5	536	51.3	558	57.5	578	63.8	597	70.2	614	76.5	632	82.9	649	89.3
72645	2900	502	42.8	513	45.5	525	48.4	546	54.1	567	60.5	587	67.0	606	73.7	624	80.3	641	86.7	658	93.5
75150	3000	514	45.9	524	48.5	535	51.6	557	57.6	577	63.8	597	70.4	616	77.2	633	84.1	651	90.9	667	97.6
77655	3100	525	49.1	536	52.0	546	54.7	567	61.0	587	67.2	606	73.9	625	80.9	643	88.0	660	95.1	676	102
80160	3200	538	52.5	547	55.4	557	58.3	577	64.5	597	70.9	616	77.7	635	84.8	652	91.8	670	99.4	686	106
82665	3300	551	56.1	558	59.0	568	62.1	588	68.3	607	74.9	626	81.5	644	88.7	662	96.1	679	103	695	111
85170	3400	564	59.7	571	62.9	579	66.0	598	72.0	617	78.9	636	85.7	654	93.0	671	100	688	106	705	115
87675	3500	576	63.4	584	66.9	591	70.0	609	76.4	628	83.3	646	90.3	664	97.3	681	104	698	112		
90180	3600	590	67.7	597	71.0	604	74.4	621	81.0	639	87.6	656	94.8	674	102	691	109	707	117		
92685	3700	605	72.7	610	75.2	617	78.8	632	85.8	649	92.0	667	99.7	684	107	701	114	717	122		
95190	3800	619	77.9	623	79.8	630	83.4	643	90.3	660	97.3	678	104	694	112	711	119	727	127		
97695	3900	634	83.3	638	85.4	642	88.0	656	95.5	672	102	688	109	705	117	721	125	737	133		
100200	4000	649	88.9	652	91.2	656	93.1	669	100	683	108	699	115	716	123	731	131	747	139		

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 730
SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 73"

OUTLET AREA 30.64 SQ FT

LIMIT LOAD HP = 562 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
27576	900	148	1.81	164	2.40	177	3.03	189	3.65	200	4.26	211	4.87	221	5.47	240	6.79	262	8.41	283	10.7
29108	950	153	2.00	168	2.60	181	3.26	193	3.92	204	4.57	215	5.21	224	5.85	243	7.14	263	8.89	284	11.1
30640	1000	158	2.20	172	2.82	185	3.50	197	4.20	208	4.89	219	5.56	228	6.24	246	7.60	264	9.05	285	11.6
32172	1050	163	2.43	177	3.06	190	3.75	202	4.49	212	5.21	223	5.94	232	6.65	250	8.06	266	9.49	286	12.1
33704	1100	168	2.67	182	3.32	194	4.02	206	4.78	217	5.55	227	6.32	236	7.07	254	8.54	270	10.0	286	12.6
36768	1200	180	3.22	191	3.88	203	4.62	214	5.42	225	6.25	235	7.09	244	7.92	262	9.55	278	11.1	293	13.1
39832	1300	192	3.87	201	4.57	212	5.33	223	6.13	234	7.01	243	7.91	253	8.82	270	10.6	285	12.3	300	14.1
42896	1400	205	4.68	212	5.33	222	6.09	233	6.97	242	7.85	252	8.79	261	9.76	278	11.7	294	13.6	308	15.5
45960	1500	218	5.59	224	6.17	232	7.03	242	7.89	252	8.81	261	9.77	270	10.7	286	12.8	301	14.9	316	17.0
49024	1600	231	6.58	236	7.20	243	8.04	252	8.91	261	9.87	270	10.8	279	11.8	295	14.0	310	16.3	324	18.5
52088	1700	244	7.68	250	8.42	255	9.13	262	10.0	270	11.0	279	12.0	287	13.1	304	15.3	319	17.7	332	20.1
55152	1800	257	8.95	263	9.75	267	10.3	273	11.3	281	12.3	289	13.4	297	14.5	312	16.7	327	19.2	341	21.7
58216	1900	269	10.3	276	11.1	280	11.9	285	12.7	291	13.8	299	14.8	306	16.0	321	18.3	336	20.7	349	23.3
61280	2000	282	11.8	288	12.7	293	13.6	296	14.2	303	15.4	309	16.5	316	17.6	331	20.0	345	22.5	358	25.2
64344	2100	294	13.4	301	14.4	306	15.4	310	16.1	314	17.0	320	18.2	326	19.4	340	21.9	354	24.4	367	27.1
67408	2200	306	15.1	314	16.3	319	17.3	323	18.2	326	18.9	331	20.1	336	21.4	350	23.8	363	26.5	376	29.2
70472	2300	320	17.1	327	18.4	332	19.3	336	20.4	339	21.2	343	22.1	348	23.5	360	26.0	373	28.7	385	31.6
73536	2400	333	19.3	339	20.5	344	21.6	349	22.7	353	23.7	355	24.4	360	25.7	370	28.4	382	31.0	394	34.0
76600	2500	346	21.7	352	22.9	357	24.1	362	25.2	366	26.3	369	27.2	371	28.0	381	30.9	392	33.7	404	36.6
79664	2600	359	24.2	364	25.3	370	26.7	374	27.8	379	29.0	382	30.1	384	30.9	393	33.6	402	36.5	413	39.3
85792	2800	384	29.7	389	30.9	395	32.5	400	33.8	404	35.0	408	36.3	411	37.4	415	39.2	425	42.6	434	45.8
91920	3000	410	36.0	415	37.6	420	38.9	426	40.7	430	41.9	433	43.3	437	44.7	442	46.9	448	49.3	456	52.8
98048	3200	434	42.9	441	45.1	445	46.3	451	48.2	455	49.8	459	51.1	462	52.6	469	55.4	473	57.5	479	60.5
104176	3400	460	50.8	467	53.4	471	55.0	475	56.3	480	58.5	485	60.1	488	61.4	494	64.6	499	67.3	503	69.5

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
45960	1500	330	19.0	342	21.0	355	23.1	378	27.1	402	31.7	428	37.0	454	44.3	479	52.2	502	58.5	525	69.5
49024	1600	338	20.7	350	22.8	362	25.0	385	29.3	407	33.7	430	38.6	456	46.2	481	54.3	505	63.1	528	72.4
52088	1700	346	22.4	358	24.8	370	27.0	393	31.6	414	36.2	434	40.8	456	48.7	481	54.3	505	63.1	528	72.4
55152	1800	354	24.2	366	26.7	378	29.2	401	34.1	422	38.9	441	43.8	460	48.7	481	54.3	503	60.6	540	80.2
58216	1900	362	26.0	375	28.7	386	31.3	409	36.6	429	41.7	449	46.8	467	51.9	485	57.1	505	63.1	525	69.5
61280	2000	371	27.9	383	30.8	395	33.5	417	39.1	437	44.5	457	49.9	475	55.3	492	60.7	509	66.1	528	72.4
64344	2100	380	30.0	392	32.9	403	35.8	425	41.6	445	47.5	464	53.1	482	58.7	500	64.5	517	70.2	533	75.9
67408	2200	388	32.1	400	35.1	412	38.2	433	44.3	453	50.5	473	56.5	491	62.4	508	68.3	524	74.3	540	80.2
70472	2300	397	34.5	409	37.5	420	40.6	442	47.1	461	53.4	480	59.9	498	66.1	516	72.4	532	78.5	548	84.7
73536	2400	406	36.9	418	40.1	429	43.3	450	50.0	470	56.7	488	63.3	506	70.0	523	76.4	540	82.9	555	89.3
76600	2500	415	39.7	426	42.7	438	46.1	459	52.8	478	59.9	496	66.8	514	73.8	532	80.7	547	87.3	563	94.2
79664	2600	425	42.6	436	45.8	447	49.0	467	56.0	487	63.2	505	70.5	522	77.6	539	86.0	556	92.1	571	99.0
82728	2700	434	45.6	445	48.9	456	52.2	476	59.2	495	66.6	514	74.3	531	81.7	547	89.2	563	96.7	579	104
85792	2800	444	48.7	455	52.3	465	55.7	485	62.7	504	70.3	522	78.0	539	85.9	555	93.6	572	101	587	109
88856	2900	454	52.4	464	55.7	474	59.2	494	66.2	512	73.9	531	81.9	548	90.2	564	98.3	579	106	595	114
91920	3000	464	56.2	474	59.3	484	63.1	503	70.4	522	78.1	539	86.2	556	94.4	573	102	588	111	603	119
94984	3100	474	60.0	484	63.5	493	66.9	512	74.6	530	82.2	548	90.3	565	98.9	581	107	597	116	611	124
98048	3200	486	64.2	494	67.8	503	71.3	522	79.0	540	86.8	557	95.1	574	103	590	112	605	121	620	130
101112	3300	498	68.6	505	72.2	514	76.0	531	83.5	549	91.6	566	99.7	582	108	598	117	614	126	629	136
104176	3400	510	73.0	517	76.9	524	80.7	541	88.1	558	96.5	575	104	591	113	607	122	622	132	637	141
107240	3500	521	77.6	528	81.8	535	85.7	551	93.4	568	101	584	110	600	119	616	128	631	137	645	146
110304	3600	533	82.8	540	86.8	546	91.0	561	99.0	577	107	593	116	609	124	625	134	640	143	657	156
113368	3700	547	88.9	551	91.9	558	96.4	571	104	587	112	603	121	619	131	634	140	648	149	669	166
116432	3800	560	95.3	563	97.6	570	102	581	110	597	119	613	128	628	137	643	146	657	156	681	183
119496	3900	573	101	576	104	581	107	593	116	607	125	622	134	637	143	652	153	666	162	693	199
122560	4000	586	108	590	111	593	113	605	123	617	132	632	140	647	150	661	160	675	170	705	216

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE 807
SINGLE WIDTH
SINGLE INLET

CENTRIFUGAL FAN TYPE B

WHEEL DIA. 80 3/4"

OUTLET AREA 37.49 SQ FT

LIMIT LOAD HP = 929 (RPM/1000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
33741	900	134	2.22	148	2.94	160	3.71	171	4.47	181	5.21	191	5.96	199	6.70	217	8.31				
35615	950	138	2.45	152	3.18	164	3.99	175	4.80	185	5.60	194	6.38	203	7.16	219	8.74	237	10.6		
37490	1000	143	2.69	156	3.45	168	4.28	178	5.13	188	5.99	198	6.81	206	7.64	223	9.30	239	11.0		
39364	1050	147	2.98	160	3.74	172	4.59	182	5.49	192	6.38	201	7.27	210	8.13	226	9.87	241	11.6	256	13.5
41239	1100	152	3.27	164	4.06	175	4.92	186	5.85	196	6.79	205	7.73	214	8.65	229	10.4	244	12.2	259	14.1
44988	1200	163	3.94	173	4.75	184	5.66	194	6.63	203	7.65	212	8.68	221	9.69	237	11.6	251	13.6	264	15.6
48737	1300	174	4.73	182	5.59	192	6.52	202	7.50	211	8.57	220	9.68	228	10.7	244	13.0	258	15.1	271	17.2
52486	1400	186	5.73	192	6.53	201	7.45	210	8.52	219	9.60	228	10.7	236	11.9	251	14.3	265	16.7	278	19.0
56235	1500	197	6.84	202	7.55	210	8.60	219	9.65	227	10.7	236	11.9	244	13.1	259	15.7	272	18.2	286	20.8
59984	1600	209	8.05	214	8.81	220	9.83	228	10.9	236	12.0	244	13.2	252	14.5	267	17.1	280	19.9	293	22.6
63733	1700	220	9.40	226	10.3	230	11.1	237	12.3	244	13.4	252	14.7	260	16.0	274	18.7	288	21.6	301	24.6
67482	1800	232	10.9	238	11.9	241	12.6	247	13.9	254	15.1	261	16.4	268	17.7	282	20.5	296	23.5	308	26.6
71231	1900	244	12.6	249	13.6	253	14.5	257	15.6	263	16.9	270	18.2	277	19.5	290	22.4	303	25.4	316	28.6
74980	2000	255	14.4	261	15.5	265	16.6	268	17.4	274	18.8	279	20.2	286	21.5	299	24.5	312	27.5	324	30.8
78729	2100	266	16.4	272	17.6	277	18.8	280	19.7	284	20.9	289	22.3	295	23.8	308	26.8	320	29.9	332	33.2
82478	2200	277	18.5	284	20.0	288	21.2	292	22.3	295	23.1	300	24.7	304	26.1	316	29.1	328	32.4	340	35.7
86227	2300	289	21.0	295	22.5	300	23.7	304	24.9	307	25.9	310	27.1	315	28.7	325	31.9	337	35.2	348	38.6
89976	2400	301	23.6	307	25.1	311	26.4	316	27.8	319	29.0	321	29.9	325	31.4	334	34.8	345	38.0	356	41.6
93725	2500	313	26.5	318	28.0	323	29.5	327	30.8	331	32.2	333	33.2	335	34.2	344	37.8	354	41.2	365	44.8
97474	2600	324	29.6	329	31.0	335	32.7	338	34.0	342	35.5	345	36.8	347	37.8	355	41.1	364	44.7	374	48.1
104972	2800	348	36.4	352	37.9	357	39.8	362	41.4	365	42.9	369	44.5	371	45.8	375	48.0	384	52.2	392	56.0
112470	3000	370	44.0	376	46.0	380	47.6	385	49.8	388	51.3	392	53.0	395	54.7	400	57.4	405	60.3	412	64.6
119968	3200	393	52.5	399	55.2	402	56.7	407	58.9	412	61.0	415	62.5	418	64.4	424	67.7	427	70.4	433	74.1
127466	3400	415	62.1	422	65.3	426	67.3	429	68.9	434	71.5	438	73.5	441	75.1	447	79.1	451	82.3	455	85.0

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
56235	1500	298	23.2	310	25.7	321	28.2	342	33.2	363	38.8	387	45.3								
59984	1600	305	25.3	317	27.9	328	30.6	348	35.9	368	41.2	388	47.3	411	54.3						
63733	1700	312	27.4	324	30.3	335	33.1	355	38.7	374	44.3	392	50.0	412	56.5	433	63.9				
67482	1800	320	29.6	331	32.7	342	35.7	362	41.7	381	47.6	399	53.5	416	59.5	435	66.5	454	74.1	474	82.2
71231	1900	328	31.9	339	35.1	349	38.3	370	44.7	388	51.0	406	57.3	423	63.5	438	69.8	456	77.2	475	85.0
74980	2000	335	34.2	346	37.6	357	41.0	377	47.8	395	54.4	413	61.0	429	67.7	445	74.3	460	80.9	477	88.6
78729	2100	343	36.7	354	40.3	364	43.9	384	51.0	403	58.1	420	65.0	436	71.9	452	78.9	467	85.9	482	92.9
82478	2200	351	39.3	362	43.0	372	46.8	391	54.3	410	61.8	427	69.2	443	76.4	459	83.6	474	90.9	488	98.2
86227	2300	359	42.2	370	45.9	380	49.7	399	57.7	417	65.4	434	73.3	451	80.9	466	88.5	481	96.0	495	103
89976	2400	367	45.2	378	49.1	388	53.0	407	61.2	425	69.4	442	77.5	458	85.6	473	93.5	488	101	502	109
93725	2500	376	48.6	386	52.3	396	56.4	415	64.6	432	73.3	449	81.7	465	90.3	481	98.8	495	106	509	115
97474	2600	384	52.1	394	56.0	404	60.0	423	68.5	440	77.4	457	86.3	472	94.9	488	104	502	112	516	121
101223	2700	393	55.8	402	59.8	412	63.9	430	72.5	448	81.4	464	90.9	480	100	495	109	509	118	524	127
104972	2800	401	59.6	411	63.9	420	68.1	438	76.8	456	86.0	472	95.5	488	105	502	114	517	124	531	133
108721	2900	411	64.1	420	68.1	429	72.5	446	81.0	463	90.5	480	100	495	110	510	120	524	129	538	139
112460	3000	420	68.7	428	72.6	437	77.2	455	86.2	472	95.5	488	105	503	115	518	125	532	136	545	148
116219	3100	429	73.4	438	77.8	446	81.8	463	91.3	479	100	495	110	511	121	526	131	539	142	553	152
119968	3200	440	78.6	447	82.9	455	87.2	472	96.6	488	106	504	116	519	126	533	137	547	148	561	159
123717	3300	450	83.9	456	88.3	464	92.9	480	102	496	112	512	122	526	132	541	143	555	155	568	166
127466	3400	461	89.4	467	94.2	473	98.7	489	107	504	118	520	128	535	139	549	150	563	161	576	173
131215	3500	471	94.9	478	100	483	104	498	114	513	124	528	135	543	145	557	157	570	168		
134964	3600	482	101	488	106	494	111	507	121	522	131	536	141	551	152	565	164	578	175		
138713	3700	494	108	498	112	505	118	516	128	530	137	545	149	559	160	573	171	586	183		
142462	3800	506	116	509	119	515	124	526	135	540	145	554	156	568	167	581	179	594	191		
146211	3900	518	124	521	127	525	131	536	142	549	153	562	164	576	175	590	187	602	199		
149960	4000	530	133	533	136	536	139	547	150	558	161	571	172	585	184	598	196	611	208		

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 890
SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 89"

OUTLET AREA 45.54 SQ FT

LIMIT LOAD HP = 1513 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
40986	900	122	2.69	134	3.57	145	4.50	155	5.43	164	6.33	173	7.24	181	8.14	197	10.1	215	12.9	232	16.0
43263	950	126	2.97	138	3.86	149	4.85	158	5.83	168	6.80	176	7.75	184	8.70	199	10.6	218	13.4	233	16.5
45540	1000	130	3.27	141	4.19	152	5.20	162	6.24	171	7.27	179	8.27	187	9.28	202	11.2	216	13.4	232	16.0
47817	1050	134	3.62	145	4.55	156	5.58	165	6.67	174	7.75	183	8.83	190	9.88	205	11.9	218	14.1	233	16.5
50094	1100	138	3.98	149	4.93	159	5.97	169	7.11	178	8.25	186	9.39	194	10.5	208	12.6	221	14.9	235	17.2
54648	1200	148	4.78	157	5.77	167	6.87	176	8.05	185	9.29	193	10.5	200	11.7	215	14.2	228	16.6	240	19.0
59202	1300	158	5.75	165	6.79	174	7.92	183	9.11	192	10.4	200	11.7	207	13.1	221	15.7	234	18.3	246	21.0
63756	1400	169	6.96	174	7.93	182	9.05	191	10.3	199	11.6	207	13.0	214	14.5	228	17.3	241	20.3	253	23.1
68310	1500	179	8.30	184	9.17	190	10.4	198	11.7	206	13.0	214	14.5	221	16.0	235	19.1	247	22.1	259	25.3
72864	1600	190	9.78	194	10.7	199	11.9	206	13.2	214	14.6	221	16.1	228	17.6	242	20.8	254	24.2	266	27.5
77418	1700	200	11.4	205	12.5	209	13.5	215	15.0	222	16.3	229	17.9	236	19.4	249	22.8	261	26.3	273	29.8
81972	1800	211	13.3	216	14.4	219	15.3	224	16.9	230	18.4	237	19.9	243	21.5	256	24.9	268	28.5	280	32.3
86526	1900	221	15.3	226	16.6	230	17.7	234	18.9	238	20.5	245	22.1	251	23.7	264	27.2	275	30.8	287	34.7
91080	2000	231	17.5	236	18.9	240	20.2	243	21.1	248	22.9	253	24.5	259	26.1	271	29.8	283	33.5	294	37.5
95634	2100	241	19.9	247	21.4	251	22.8	254	24.0	258	25.3	262	27.1	268	28.9	279	32.5	290	36.3	301	40.4
100188	2200	251	22.4	257	24.3	262	25.7	265	27.0	267	28.1	272	30.0	276	31.8	287	35.3	298	39.4	308	43.4
104742	2300	262	25.5	268	27.3	272	28.8	276	30.3	278	31.5	281	32.9	286	34.9	295	38.7	306	42.7	316	46.9
109296	2400	273	28.7	278	30.6	282	32.1	286	33.8	289	35.2	291	36.3	295	38.2	303	42.2	313	46.1	323	50.5
113850	2500	284	32.2	288	34.0	293	35.8	297	37.5	300	39.1	302	40.4	304	41.6	312	46.0	322	50.1	331	54.5
118404	2600	294	36.0	298	37.6	304	39.8	307	41.3	311	43.2	313	44.7	315	46.0	322	50.0	330	54.3	339	58.4
127512	2800	315	44.2	319	46.0	324	48.4	328	50.3	331	52.1	335	54.0	337	55.6	341	58.4	348	63.4	356	68.0
136620	3000	336	53.5	341	55.9	344	57.9	349	60.4	352	62.3	355	64.3	358	66.4	363	69.7	367	73.3	374	78.5
145728	3200	356	63.8	362	67.0	365	68.8	370	71.6	373	74.1	376	75.9	379	78.2	384	82.3	388	85.5	393	90.0
154836	3400	377	75.5	383	79.4	387	81.7	390	83.8	394	86.9	397	89.3	400	91.3	405	96.1	410	100	413	103

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
68310	1500	270	28.2	281	31.3	291	34.3	310	40.4	330	47.1	351	55.0	373	65.9	398	84.8	414	93.7	431	103
72864	1600	277	30.8	287	34.0	297	37.2	316	43.6	334	50.1	352	57.4	374	68.6	393	77.6	418	98.3	437	107
77418	1700	283	33.3	294	36.8	304	40.2	322	47.0	339	53.8	356	60.7	374	68.6	393	77.6	418	98.3	437	107
81972	1800	290	36.0	300	39.7	310	43.4	329	50.6	346	57.8	362	65.1	377	72.3	394	80.7	412	90.1	430	99.9
86526	1900	297	38.7	307	42.6	317	46.6	335	54.4	352	61.9	368	69.6	383	77.2	398	84.8	414	93.7	431	103
91080	2000	304	41.5	314	45.7	324	49.9	342	58.1	359	66.1	374	74.2	390	82.2	404	90.3	418	98.3	437	107
95634	2100	311	44.6	321	48.9	331	53.3	348	61.9	365	70.6	381	79.0	396	87.3	410	95.8	424	104	437	112
100188	2200	318	47.7	328	52.2	338	56.8	355	65.9	372	75.0	388	84.0	402	92.8	416	101	430	110	443	119
104742	2300	326	51.2	335	55.8	345	60.4	362	70.1	378	79.4	394	89.0	409	98.3	423	107	436	116	449	125
109296	2400	333	54.9	343	59.6	352	64.4	369	74.3	385	84.3	401	94.1	415	104	429	113	443	123	455	132
113850	2500	341	59.0	350	63.5	359	68.5	376	78.5	392	89.1	407	99.3	422	109	436	120	449	129	462	140
118404	2600	348	63.3	358	68.1	366	72.9	383	83.3	399	94.0	414	104	428	115	442	126	456	136	468	147
122958	2700	356	67.8	365	72.7	374	77.6	390	88.0	406	98.9	421	110	435	121	449	132	462	143	475	154
127512	2800	364	72.4	373	77.7	381	82.8	398	93.3	413	104	428	116	442	127	456	139	469	150	481	162
132066	2900	372	77.9	381	82.8	389	88.1	405	98.5	420	109	435	121	449	134	463	146	475	157	489	170
136620	3000	381	83.5	389	88.2	397	93.7	413	104	428	116	442	128	456	140	470	153	482	165	494	177
141174	3100	389	89.2	397	94.5	405	99.4	420	110	435	122	449	134	463	147	477	160	489	172	501	185
145728	3200	399	95.5	405	100	413	105	428	117	443	129	457	141	471	154	484	166	496	180	509	193
150282	3300	409	101	414	107	421	112	436	124	450	136	464	148	479	161	491	174	503	188	516	202
154836	3400	418	108	424	114	429	119	443	131	458	143	472	155	485	169	498	182	510	196	523	210
169390	3500	427	115	433	121	438	127	452	136	468	151	479	164	492	176	505	190	518	206	535	219
163944	3600	437	123	443	129	448	135	460	147	474	159	487	172	500	185	512	199	525	213	544	223
168498	3700	448	132	452	136	458	143	468	155	481	167	495	181	507	194	520	208	532	222	553	231
173052	3800	459	141	462	145	467	151	477	164	490	176	502	190	515	204	527	217	539	232	562	240
177606	3900	470	151	473	155	476	160	487	173	498	186	510	199	523	213	535	228	546	241	571	249
182160	4000	481	161	484	165	486	169	496	183	506	196	518	209	531	223	542	238	554	252	580	258

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE **982**

SINGLE WIDTH
SINGLE INLET

CENTRIFUGAL FAN TYPE **B**

WHEEL DIA. 98 1/4"

OUTLET AREA 55.50 SQ FT

LIMIT LOAD HP = 2479 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
49950	900	110	3.28	122	4.35	131	5.49	141	6.62	149	7.72	157	8.82	164	9.92	179	12.3				
52725	950	114	3.62	125	4.71	135	5.91	144	7.10	152	8.29	160	9.44	167	10.6	180	12.9	195	15.7		
55500	1000	117	3.98	128	5.11	138	6.34	147	7.60	155	8.86	162	10.0	170	11.3	183	13.7	196	16.4		
68275	1050	121	4.41	131	5.54	141	6.80	150	8.13	158	9.44	165	10.7	173	12.0	186	14.6	198	17.1	211	20.1
61050	1100	125	4.84	135	6.01	144	7.28	153	8.66	161	10.0	168	11.4	176	12.8	189	15.4	201	18.1	212	21.0
66600	1200	134	5.83	142	7.03	151	8.37	159	9.81	167	11.3	175	12.8	181	14.3	194	17.3	206	20.2	217	23.1
72150	1300	143	7.01	149	8.28	158	9.65	166	11.1	174	12.6	181	14.3	188	15.9	200	19.2	212	22.4	223	25.5
77700	1400	153	8.48	158	9.66	165	11.0	173	12.6	180	14.2	187	15.9	194	17.6	206	21.2	218	24.7	229	28.1
83250	1500	162	10.1	166	11.1	172	12.7	180	14.2	187	15.9	194	17.6	200	19.5	213	23.3	224	27.0	235	30.8
88800	1600	172	11.9	176	13.0	181	14.5	187	16.1	194	17.8	200	19.6	207	21.5	219	25.4	230	29.5	241	33.5
94350	1700	181	13.9	186	15.2	189	16.5	195	18.2	201	19.9	207	21.8	214	23.7	226	27.8	237	32.1	247	36.4
99900	1800	191	16.2	195	17.6	198	18.7	203	20.6	208	22.4	214	24.2	220	26.2	232	30.3	243	34.7	253	39.3
105450	1900	200	18.7	205	20.2	208	21.5	212	23.1	216	25.0	222	26.9	228	28.9	239	33.1	249	37.6	260	42.3
111000	2000	210	21.4	214	23.0	218	24.6	220	25.8	225	27.9	229	29.9	235	31.8	246	36.3	256	40.8	266	45.7
116550	2100	219	24.3	224	26.1	228	27.9	230	29.2	233	30.9	238	33.1	242	35.2	253	39.6	263	44.3	273	49.2
122100	2200	228	27.4	233	29.6	237	31.4	240	33.0	242	34.2	246	36.5	250	38.7	260	43.1	270	48.0	279	52.9
127650	2300	237	31.0	243	33.3	246	35.1	250	37.0	252	38.4	255	40.1	259	42.6	267	47.2	277	52.1	286	57.2
133200	2400	247	35.0	252	37.3	256	39.1	259	41.2	262	42.9	264	44.3	267	46.6	275	51.5	284	56.2	293	61.6
138750	2500	257	39.3	261	41.4	265	43.7	269	45.7	272	47.6	274	49.2	276	50.7	283	56.0	291	61.1	300	66.4
144300	2600	267	43.9	270	45.9	275	48.5	278	50.4	281	52.6	284	54.5	286	56.0	292	60.9	299	66.2	307	71.2
155400	2800	286	53.9	289	56.1	294	59.0	297	61.3	300	63.5	303	65.9	305	67.8	309	71.1	315	77.3	322	82.9
166500	3000	304	65.2	309	68.2	312	70.5	316	73.7	319	76.0	322	78.4	325	80.9	328	85.0	333	89.3	339	95.7
177600	3200	323	77.8	328	81.7	331	83.9	335	87.3	338	90.3	341	92.6	344	95.3	348	100	351	104	356	109
188700	3400	341	92.0	347	96.8	350	99.6	353	102	357	105	360	108	362	111	367	117	371	121	374	125

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
83250	1500	245	34.4	254	38.1	264	41.8	281	49.2	299	57.4	318	67.1								
88800	1600	251	37.5	260	41.4	269	45.3	286	53.1	302	61.0	319	70.0	338	80.3						
94350	1700	257	40.6	266	44.9	275	49.0	292	57.3	308	65.6	322	74.0	339	83.7	356	94				
99900	1800	263	43.9	272	48.4	281	52.9	298	61.7	313	70.5	328	79.3	342	88.2	357	98	373	109		
105450	1900	269	47.2	278	52.0	287	56.8	304	66.2	319	75.5	334	84.8	347	94.1	360	103	375	114	390	125
111000	2000	276	50.6	285	55.8	293	60.8	310	70.9	325	80.6	339	90.4	353	100	366	110	378	119	392	131
116550	2100	282	54.3	291	59.6	299	65.0	315	75.5	331	86.1	345	96.3	358	106	371	116	384	127	396	137
122100	2200	288	58.2	297	63.7	306	69.3	322	80.4	337	91.5	351	102	364	113	377	123	389	134	401	145
127650	2300	295	62.4	304	68.0	312	73.7	328	85.4	343	96.8	357	108	370	119	383	131	395	142	407	153
133200	2400	302	66.9	310	72.6	319	78.5	335	90.6	349	102	363	114	376	126	389	138	401	150	413	161
138750	2500	309	72.0	317	77.4	325	83.5	341	95.7	355	108	369	121	382	133	395	146	407	158	418	170
144300	2600	316	77.1	324	83.0	332	88.8	347	101	362	114	375	127	388	140	401	153	413	166	424	179
149850	2700	323	82.7	331	88.6	339	94.6	354	107	368	120	382	134	394	148	407	161	419	175	430	188
155400	2800	330	88.2	338	94.7	346	100	360	113	375	127	388	141	401	155	413	169	425	183	436	197
160950	2900	337	94.9	345	100	352	107	367	120	381	134	394	148	407	163	419	178	430	192	442	207
166500	3000	345	101	352	107	360	114	374	127	388	141	401	156	413	171	425	186	437	201	448	216
172050	3100	352	108	360	115	366	121	381	135	394	148	407	163	420	179	432	195	443	210	454	226
177600	3200	361	116	367	122	374	129	388	143	401	157	414	172	426	187	438	203	450	220	461	236
183150	3300	370	124	375	130	382	137	395	151	408	166	420	180	433	196	445	213	456	229	467	246
188700	3400	379	132	384	139	389	146	402	159	415	174	427	190	439	206	451	222	462	239	473	256
194250	3500	387	140	393	148	397	155	409	169	422	184	434	200	446	215	457	232	469	249		
199800	3600	396	150	401	157	406	164	417	179	429	194	441	210	453	225	464	243	475	260		
205350	3700	406	161	409	166	415	174	424	189	436	203	448	220	460	237	471	253	482	271		
210900	3800	416	172	418	176	423	184	432	200	444	215	455	231	466	248	478	265	488	283		
216450	3900	426	184	428	189	432	195	441	211	451	227	462	242	473	260	485	278	495	294		
222000	4000	436	197	438	202	440	206	450	223	459	239	469	254	481	272	491	290	502	308		

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 1087
SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 108 3/4"

OUTLET AREA 68.00 SQ FT

LIMIT LOAD HP = 4060 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
61200	900	100	4.02	110	5.33	119	6.72	127	8.11	135	9.46	142	10.8	148	12.1	161	15.0	176	19.2	190	24.6
64600	950	103	4.44	113	5.77	122	7.24	130	8.70	137	10.1	144	11.5	151	12.9	163	15.8	192	24.7	201	31.3
68000	1000	106	4.88	116	6.26	125	7.76	132	9.31	140	10.8	147	12.3	153	13.8	165	16.8	197	20.0	207	24.6
71400	1050	109	5.40	119	6.79	127	8.33	135	9.96	143	11.5	149	13.1	156	14.7	168	17.8	199	21.0	207	24.6
74800	1100	113	5.94	122	7.37	130	8.92	138	10.6	145	12.3	152	14.0	159	15.6	170	18.9	181	22.2	192	25.7
81600	1200	121	7.14	128	8.62	136	10.2	144	12.0	151	13.8	158	15.7	164	17.5	176	21.2	186	24.7	196	28.3
88400	1300	129	8.59	135	10.1	143	11.8	150	13.6	157	15.5	163	17.5	170	19.5	181	23.5	192	27.4	201	31.3
95200	1400	138	10.4	143	11.8	149	13.5	156	15.4	163	17.4	169	19.5	175	21.6	186	25.9	197	30.3	207	34.4
102000	1500	147	12.4	150	13.6	156	15.5	162	17.5	169	19.5	175	21.6	181	23.9	192	28.5	202	33.1	212	37.8
108800	1600	155	14.6	159	15.9	163	17.8	169	19.7	175	21.9	181	24.0	187	26.3	198	31.1	208	36.2	217	41.1
115600	1700	164	17.0	168	18.6	171	20.2	176	22.3	181	24.4	187	26.7	193	29.1	204	34.0	214	39.3	223	44.6
122400	1800	172	19.8	176	21.6	179	22.9	183	25.2	188	27.4	194	29.7	199	32.1	210	37.2	220	42.6	229	48.2
129200	1900	181	22.9	185	24.8	188	26.4	191	28.3	195	30.6	200	33.0	206	35.5	216	40.6	225	46.1	235	51.8
136000	2000	189	26.2	193	28.2	197	30.1	199	31.6	203	34.2	207	36.6	212	39.0	222	44.5	231	50.0	240	56.0
142800	2100	198	29.7	202	32.0	206	34.1	208	35.8	211	37.9	215	40.6	219	43.2	228	48.6	237	54.3	246	60.3
149600	2200	206	33.5	211	36.3	214	38.4	217	40.4	219	42.0	222	44.8	226	47.4	235	52.8	244	58.9	252	64.8
156400	2300	215	38.0	219	40.8	223	43.0	226	45.3	228	47.1	230	49.1	234	52.2	242	57.8	250	63.8	259	70.1
163200	2400	223	42.9	228	45.7	231	48.0	234	50.5	237	52.6	238	54.3	242	57.1	248	63.1	256	68.9	265	75.5
170000	2500	232	48.1	236	50.8	240	53.5	243	56.0	245	58.4	247	60.3	249	62.1	256	68.7	263	74.8	271	81.4
176800	2600	241	53.7	244	56.2	248	59.4	251	61.8	254	64.5	256	66.8	258	68.6	264	74.7	270	81.1	277	87.3
190400	2800	258	66.1	261	68.7	265	72.2	269	75.1	271	77.8	274	80.7	276	83.1	279	87.2	285	94.7	291	101
204000	3000	275	79.9	279	83.6	282	86.4	286	90.3	288	93.1	291	96.1	293	99.2	297	104	300	109	306	117
217600	3200	292	95.3	296	100	299	102	302	106	306	110	308	113	310	116	315	122	317	127	321	134
231200	3400	309	112	314	118	316	122	319	125	323	129	325	133	327	136	332	143	335	149	338	154

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
102000	1500	221	42.2	230	46.7	238	51.2	254	60.3	270	70.3	288	82.2	305	98.4	322	115	337	134	352	154
108800	1600	227	46.0	235	50.7	243	55.6	259	65.1	273	74.8	288	85.8	306	102	322	115	337	134	352	154
115600	1700	232	49.8	241	55.0	249	60.1	264	70.2	278	80.4	291	90.7	306	102	322	115	337	134	352	154
122400	1800	238	53.7	246	59.3	254	64.8	269	75.6	283	86.4	296	97.2	309	108	323	120	337	134	352	154
129200	1900	243	57.9	251	63.7	259	69.6	274	81.2	288	92.5	301	103	314	115	326	126	339	140	352	154
136000	2000	249	62.1	257	68.3	265	74.5	280	86.8	293	98.8	306	110	319	122	331	134	342	146	354	160
142800	2100	255	66.6	263	73.1	271	79.6	285	92.5	299	105	312	118	324	130	336	143	347	155	358	166
149600	2200	261	71.3	269	78.0	276	84.9	291	98.5	304	112	317	125	329	138	341	151	352	164	363	178
156400	2300	267	76.5	274	83.3	282	90.3	296	104	309	118	322	133	335	146	346	160	357	174	368	188
163200	2400	273	82.0	280	89.0	288	96.1	302	111	315	125	328	140	340	155	351	169	362	184	373	198
170000	2500	279	88.2	286	94.8	294	102	308	117	321	133	333	148	345	163	357	179	367	193	378	209
176800	2600	285	94.5	293	101	300	108	314	124	327	140	339	158	350	172	362	188	373	204	383	219
183600	2700	292	101	299	108	306	115	319	131	332	147	345	164	356	181	367	198	378	214	389	231
190400	2800	298	108	305	116	312	123	326	139	338	156	351	173	362	190	373	207	384	225	394	242
197200	2900	305	116	312	123	318	131	331	147	344	164	356	181	368	200	379	218	389	235	399	253
204000	3000	312	124	318	131	325	140	338	156	350	173	362	191	374	209	384	228	395	246	405	265
210800	3100	318	133	325	141	331	148	344	165	356	182	368	200	379	219	390	239	401	258	410	277
217600	3200	326	142	332	150	338	158	350	175	362	192	374	211	385	230	396	249	406	269	416	289
224400	3300	334	152	339	160	345	168	357	185	369	203	380	221	391	240	402	261	412	281	422	302
231200	3400	342	162	347	170	351	179	363	195	375	214	386	232	397	252	407	272	418	293	428	314
238000	3500	350	172	355	181	359	190	370	207	381	228	392	245	403	264	413	284	424	306	434	326
244800	3600	358	183	362	192	367	202	377	219	388	237	398	257	409	276	419	297	429	318	439	338
251600	3700	367	197	370	204	375	214	383	232	394	249	405	270	415	290	425	310	435	332	444	350
258400	3800	376	211	378	216	382	228	390	245	401	264	411	284	421	304	431	325	441	347	453	362
265200	3900	385	226	387	231	390	239	398	259	408	278	418	297	428	319	438	340	447	361	462	374
272000	4000	394	241	396	247	398	252	406	273	414	293	424	312	434	334	444	356	453	377	471	386

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE **122**

DOUBLE WIDTH
DOUBLE INLET

CENTRIFUGAL FAN TYPE **B**

WHEEL DIA. 12 1/4"

OUTLET AREA 1.55 SQ FT

LIMIT LOAD HP = .13 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1395	900	993	0.12	1080	0.15	1160	0.18	1238	0.22	1315	0.26	1390	0.30	1463	0.34	1592	0.43	1713	0.52	1828	0.63
1472	950	1026	0.13	1112	0.17	1192	0.20	1265	0.24	1340	0.28	1411	0.32	1481	0.36	1613	0.46	1732	0.55	1843	0.65
1550	1000	1062	0.15	1146	0.18	1223	0.22	1293	0.25	1365	0.30	1434	0.34	1502	0.38	1633	0.48	1751	0.58	1861	0.68
1627	1050	1097	0.16	1179	0.20	1254	0.24	1325	0.27	1391	0.32	1458	0.36	1523	0.40	1652	0.50	1771	0.60	1879	0.71
1705	1100	1132	0.18	1214	0.22	1287	0.26	1356	0.29	1420	0.34	1485	0.38	1548	0.43	1672	0.53	1791	0.63	1899	0.74
1860	1200	1206	0.22	1283	0.26	1353	0.30	1417	0.34	1482	0.38	1541	0.43	1600	0.48	1717	0.58	1829	0.69	1939	0.80
2015	1300	1277	0.26	1353	0.31	1423	0.35	1486	0.40	1544	0.44	1603	0.49	1659	0.54	1767	0.64	1873	0.75	1978	0.87
2170	1400	1346	0.31	1426	0.36	1492	0.41	1554	0.46	1612	0.51	1666	0.55	1720	0.60	1820	0.71	1922	0.83	2021	0.94
2325	1500	1419	0.37	1498	0.43	1562	0.47	1621	0.52	1678	0.58	1733	0.63	1783	0.68	1883	0.79	1975	0.90	2069	1.03
2480	1600	1494	0.43	1569	0.49	1635	0.55	1693	0.60	1747	0.65	1798	0.71	1850	0.76	1946	0.87	2036	0.99	2123	1.12
2635	1700	1565	0.49	1639	0.56	1707	0.63	1762	0.68	1817	0.74	1869	0.80	1915	0.85	2007	0.97	2098	1.09	2182	1.22
2790	1800	1648	0.58	1710	0.64	1778	0.71	1836	0.78	1888	0.83	1936	0.89	1986	0.95	2076	1.08	2161	1.20	2243	1.33
2945	1900	1733	0.67	1786	0.73	1849	0.80	1908	0.88	1957	0.94	2008	1.00	2052	1.06	2141	1.19	2225	1.32	2307	1.46
3100	2000	1816	0.78	1859	0.83	1918	0.90	1979	0.98	2032	1.05	2077	1.11	2125	1.18	2211	1.32	2292	1.46	2367	1.59
3255	2100	1899	0.89	1930	0.93	1991	1.01	2051	1.10	2104	1.18	2150	1.24	2195	1.31	2279	1.45	2358	1.60	2436	1.74
3410	2200	1981	1.01	2015	1.06	2066	1.13	2120	1.21	2174	1.30	2224	1.38	2265	1.45	2349	1.59	2429	1.75	2502	1.90
3565	2300	2061	1.14	2100	1.20	2140	1.26	2189	1.34	2246	1.44	2294	1.53	2340	1.61	2421	1.75	2496	1.90	2570	2.07
3720	2400	2140	1.27	2183	1.35	2211	1.39	2266	1.49	2315	1.58	2366	1.68	2412	1.77	2489	1.92	2566	2.08	2640	2.24
3875	2500	2218	1.42	2267	1.51	2292	1.55	2340	1.64	2383	1.73	2437	1.84	2481	1.94	2563	2.10	2638	2.27	2706	2.42
4030	2600	2303	1.59	2349	1.68	2377	1.74	2413	1.81	2460	1.90	2506	2.00	2554	2.11	2637	2.30	2707	2.46	2778	2.63
4340	2800	2480	1.99	2511	2.06	2545	2.13	2567	2.18	2608	2.28	2651	2.38	2693	2.49	2777	2.71	2853	2.91	2918	3.09
4650	3000	2657	2.45	2669	2.47	2710	2.58	2736	2.65	2754	2.69	2800	2.82	2839	2.92	2921	3.17	2996	3.40	3063	3.60
4960	3200	2834	2.98	2844	2.97	2872	3.08	2903	3.17	2925	3.23	2942	3.28	2988	3.42	3057	3.64	3139	3.93	3208	4.17
5270	3400	3011	3.57	3021	3.56	3031	3.62	3068	3.75	3093	3.83	3111	3.89	3131	3.95	3209	4.23	3278	4.48	3350	4.77

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2325	1500	2162	1.15	2253	1.29	2341	1.44	2510	1.72	2662	2.03	2809	2.33	2949	2.65	3083	3.01	3212	3.38	3333	3.75
2480	1600	2211	1.26	2298	1.38	2383	1.53	2549	1.84	2704	2.15	2845	2.48	2983	2.79	3114	3.13	3242	3.51	3364	3.89
2635	1700	2264	1.36	2346	1.51	2429	1.64	2588	1.95	2743	2.28	2886	2.61	3018	2.96	3149	3.30	3272	3.64	3395	4.04
2790	1800	2321	1.47	2400	1.62	2477	1.77	2629	2.05	2780	2.41	2925	2.75	3060	3.11	3185	3.48	3309	3.84	3425	4.19
2945	1900	2383	1.60	2456	1.74	2531	1.90	2680	2.22	2823	2.54	2962	2.91	3099	3.26	3227	3.64	3346	4.04	3464	4.42
3100	2000	2446	1.73	2519	1.88	2587	2.03	2729	2.37	2868	2.70	3005	3.06	3137	3.45	3266	3.82	3387	4.22	3501	4.63
3255	2100	2508	1.88	2581	2.03	2650	2.19	2782	2.52	2917	2.88	3047	3.21	3178	3.61	3303	4.02	3426	4.41	3542	4.82
3410	2200	2573	2.05	2644	2.20	2711	2.36	2840	2.69	2969	3.06	3097	3.43	3218	3.77	3344	4.21	3464	4.64	3581	5.04
3565	2300	2641	2.23	2706	2.37	2775	2.54	2903	2.88	3021	3.23	3146	3.64	3269	4.01	3385	4.38	3504	4.84	3619	5.29
3720	2400	2705	2.41	2775	2.58	2835	2.73	2964	3.07	3082	3.44	3199	3.84	3316	4.25	3433	4.63	3545	5.03	3659	5.51
3875	2500	2777	2.61	2840	2.78	2905	2.95	3028	3.30	3145	3.66	3252	4.04	3370	4.48	3481	4.90	3592	5.29	3700	5.72
4030	2600	2845	2.81	2909	3.00	2971	3.18	3089	3.52	3206	3.89	3317	4.29	3421	4.70	3533	5.16	3641	5.59	3746	5.99
4185	2700	2911	3.02	2979	3.22	3037	3.41	3155	3.77	3270	4.16	3378	4.54	3481	4.96	3586	5.40	3691	5.87	3798	6.32
4340	2800	2984	3.27	3046	3.45	3108	3.66	3223	4.04	3331	4.41	3441	4.82	3545	5.24	3639	5.66	3744	6.15	3844	6.63
4495	2900	3055	3.53	3114	3.70	3176	3.91	3288	4.32	3397	4.70	3505	5.12	3605	5.52	3704	5.98	3795	6.41	3898	6.93
4650	3000	3124	3.79	3187	3.99	3242	4.17	3357	4.60	3465	5.02	3565	5.41	3669	5.85	3766	6.29	3859	6.76	3949	7.23
4805	3100	3194	4.06	3258	4.28	3314	4.47	3427	4.91	3531	5.34	3631	5.75	3732	6.19	3827	6.62	3922	7.10	4009	7.57
4960	3200	3270	4.38	3326	4.57	3386	4.79	3495	5.21	3597	5.66	3700	6.11	3792	6.52	3892	6.99	3981	7.44	4072	7.95
5115	3300	3343	4.70	3397	4.89	3456	5.12	3560	5.52	3668	6.01	3766	6.47	3860	6.91	3953	7.36	4046	7.84	4133	8.32
5270	3400	3415	5.02	3472	5.24	3524	5.44	3634	5.89	3737	6.37	3830	6.83	3928	7.31	4013	7.73	4109	8.25	4195	8.72
5425	3500	3485	5.35	3546	5.60	3597	5.81	3706	6.28	3804	6.72	3902	7.23	3994	7.72	4084	8.19	4170	8.65	—	—
5580	3600	3556	5.70	3618	5.97	3672	6.21	3776	6.67	3871	7.11	3971	7.64	4058	8.12	4151	8.64	4233	9.09	—	—
5735	3700	3628	6.06	3687	6.34	3745	6.61	3844	7.06	3945	7.55	4039	8.05	4130	8.58	4217	9.09	4303	9.59	—	—
5890	3800	3699	6.43	3758	6.73	3817	7.01	3915	7.48	4016	8.00	4104	8.45	4200	9.03	4281	9.54	4370	10.0	—	—
6045	3900	3788	6.81	3831	7.14	3887	7.43	3990	7.95	4086	8.45	4177	8.94	4268	9.49	4353	10.0	4435	10.5	—	—
6200	4000	3835	7.19	3902	7.55	3957	7.86	4064	8.43	4154	8.91	4249	9.45	4333	9.95	4423	10.5	4501	11.0	—	—

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 135

DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 13 1/2"

OUTLET AREA 1.87 SQ FT

LIMIT LOAD HP = .21 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1683	900	897	0.14	977	0.18	1049	0.22	1121	0.27	1191	0.31	1259	0.36	1325	0.41	1443	0.52	1552	0.63	1657	0.76
1776	950	927	0.16	1005	0.20	1078	0.24	1145	0.29	1213	0.33	1278	0.38	1342	0.44	1462	0.55	1569	0.67	1671	0.79
1870	1000	960	0.18	1036	0.22	1106	0.26	1170	0.31	1235	0.36	1298	0.41	1361	0.46	1479	0.58	1586	0.70	1686	0.82
1963	1050	991	0.20	1065	0.24	1134	0.28	1198	0.33	1259	0.38	1320	0.43	1379	0.48	1497	0.61	1605	0.73	1703	0.86
2057	1100	1023	0.22	1097	0.26	1163	0.31	1226	0.35	1284	0.40	1344	0.46	1402	0.52	1514	0.64	1622	0.76	1721	0.89
2244	1200	1089	0.26	1159	0.31	1223	0.36	1282	0.41	1340	0.46	1394	0.52	1448	0.58	1554	0.70	1657	0.83	1756	0.97
2431	1300	1153	0.32	1223	0.37	1286	0.42	1343	0.48	1397	0.53	1449	0.58	1500	0.65	1599	0.78	1696	0.90	1791	1.05
2618	1400	1216	0.37	1288	0.44	1348	0.49	1404	0.55	1457	0.61	1506	0.66	1556	0.72	1646	0.85	1739	1.00	1829	1.13
2805	1500	1281	0.44	1353	0.51	1411	0.57	1465	0.62	1517	0.69	1566	0.75	1612	0.81	1703	0.95	1787	1.09	1874	1.24
2992	1600	1349	0.51	1417	0.59	1476	0.65	1530	0.72	1579	0.78	1625	0.85	1672	0.92	1760	1.05	1842	1.19	1921	1.35
3179	1700	1413	0.59	1480	0.67	1542	0.75	1592	0.82	1641	0.88	1689	0.95	1731	1.02	1815	1.16	1897	1.31	1973	1.47
3366	1800	1486	0.69	1543	0.76	1605	0.85	1658	0.93	1706	1.00	1748	1.06	1794	1.15	1876	1.29	1954	1.44	2029	1.60
3553	1900	1563	0.80	1612	0.87	1670	0.96	1724	1.05	1767	1.12	1814	1.20	1855	1.27	1935	1.43	2011	1.58	2086	1.75
3740	2000	1638	0.93	1678	0.99	1732	1.08	1787	1.17	1835	1.26	1877	1.33	1919	1.41	1998	1.58	2072	1.75	2141	1.91
3927	2100	1713	1.06	1742	1.11	1797	1.20	1852	1.31	1900	1.41	1942	1.49	1983	1.57	2059	1.73	2131	1.91	2202	2.09
4114	2200	1786	1.20	1817	1.26	1865	1.35	1914	1.45	1963	1.56	2008	1.66	2045	1.73	2122	1.91	2195	2.10	2262	2.28
4301	2300	1859	1.36	1893	1.43	1932	1.50	1976	1.60	2028	1.72	2072	1.83	2113	1.92	2187	2.10	2256	2.28	2322	2.48
4488	2400	1931	1.52	1969	1.61	1996	1.66	2045	1.78	2091	1.89	2136	2.01	2178	2.12	2249	2.30	2318	2.48	2385	2.69
4675	2500	2001	1.69	2044	1.80	2067	1.85	2112	1.96	2152	2.06	2201	2.20	2241	2.32	2314	2.52	2383	2.72	2446	2.91
4862	2600	2076	1.89	2119	2.00	2144	2.07	2178	2.16	2220	2.27	2263	2.40	2306	2.53	2381	2.76	2446	2.95	2509	3.15
5236	2800	2235	2.37	2265	2.45	2296	2.55	2315	2.60	2355	2.73	2392	2.84	2432	2.98	2509	3.25	2576	3.48	2637	3.70
5610	3000	2395	2.92	2407	2.95	2445	3.08	2468	3.16	2484	3.21	2527	3.37	2562	3.49	2638	3.79	2706	4.07	2766	4.31
5984	3200	2555	3.54	2565	3.53	2591	3.67	2619	3.78	2638	3.85	2657	3.93	2697	4.09	2761	4.36	2835	4.70	2897	4.99
6358	3400	2714	4.26	2724	4.24	2734	4.32	2767	4.47	2789	4.57	2806	4.64	2827	4.73	2896	5.05	2961	5.37	3025	5.71

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2805	1500	1957	1.38	2041	1.56	2121	1.73	2275	2.08	2413	2.45	2545	2.81	2673	3.21	2793	3.64	2911	4.08	3021	4.53
2992	1600	2001	1.52	2090	1.67	2159	1.84	2310	2.22	2450	2.59	2578	2.99	2703	3.37	2823	3.79	2939	4.24	3050	4.71
3179	1700	2049	1.64	2124	1.81	2199	1.97	2344	2.36	2485	2.74	2615	3.15	2736	3.57	2854	3.98	2966	4.40	3078	4.89
3366	1800	2099	1.77	2172	1.95	2242	2.14	2382	2.48	2518	2.91	2650	3.32	2773	3.75	2886	4.20	2999	4.63	3104	5.06
3553	1900	2156	1.92	2221	2.09	2291	2.29	2426	2.67	2557	3.06	2684	3.51	2808	3.94	2924	4.40	3031	4.87	3139	5.33
3740	2000	2212	2.08	2278	2.26	2339	2.44	2470	2.86	2597	3.24	2721	3.69	2842	4.16	2959	4.60	3069	5.09	3172	5.59
3927	2100	2268	2.26	2333	2.44	2397	2.64	2518	3.04	2641	3.47	2758	3.86	2878	4.36	2993	4.85	3104	5.32	3209	5.83
4114	2200	2326	2.45	2391	2.64	2452	2.83	2568	3.24	2687	3.69	2804	4.13	2915	4.55	3029	5.08	3138	5.59	3244	6.08
4301	2300	2387	2.67	2445	2.85	2510	3.05	2625	3.46	2734	3.90	2847	4.38	2959	4.82	3066	5.29	3174	5.84	3279	6.38
4488	2400	2446	2.89	2508	3.09	2564	3.27	2680	3.69	2788	4.14	2896	4.62	3002	5.11	3108	5.57	3211	6.08	3314	6.65
4675	2500	2509	3.13	2568	3.34	2625	3.54	2738	3.96	2844	4.41	2941	4.86	3050	5.39	3152	5.90	3252	6.38	3352	6.91
4862	2600	2571	3.37	2628	3.59	2686	3.81	2793	4.23	2899	4.67	3000	5.16	3096	5.66	3197	6.21	3297	6.72	3391	7.20
5049	2700	2631	3.62	2692	3.86	2744	4.08	2852	4.52	2957	4.99	3056	5.46	3148	5.96	3245	6.51	3340	7.07	3436	7.60
5236	2800	2696	3.91	2753	4.14	2808	4.39	2914	4.85	3013	5.30	3111	5.78	3206	6.31	3291	6.81	3389	7.41	3478	7.96
5423	2900	2760	4.22	2813	4.43	2870	4.69	2973	5.18	3070	5.64	3169	6.15	3261	6.64	3350	7.19	3435	7.73	3528	8.35
5610	3000	2823	4.54	2879	4.77	2930	5.00	3033	5.52	3132	6.02	3224	6.50	3318	7.03	3406	7.57	3490	8.12	3575	8.71
5797	3100	2884	4.86	2943	5.12	2994	5.35	3097	5.89	3192	6.40	3282	6.89	3375	7.43	3460	7.95	3547	8.54	3625	9.10
5984	3200	2953	5.24	3005	5.48	3059	5.74	3158	6.25	3250	6.78	3344	7.33	3429	7.83	3519	8.40	3601	8.95	3683	9.56
6171	3300	3019	5.62	3068	5.85	3122	6.13	3218	6.62	3314	7.21	3404	7.76	3489	8.28	3575	8.85	3658	9.41	3739	10.0
6358	3400	3084	6.01	3136	6.27	3184	6.52	3282	7.05	3377	7.64	3462	8.19	3551	8.77	3629	9.29	3716	9.91	3793	10.4
6545	3500	3147	6.41	3202	6.70	3248	6.95	3348	7.52	3438	8.07	3526	8.67	3611	9.26	3691	9.81	3771	10.4	---	---
6732	3600	3211	6.82	3257	7.14	3316	7.42	3411	7.98	3497	8.50	3589	9.16	3668	9.75	3753	10.3	3826	10.9	---	---
6919	3700	3276	7.26	3331	7.59	3382	7.90	3473	8.45	3563	9.04	3650	9.65	3731	10.2	3812	10.9	3889	11.5	---	---
7106	3800	3340	7.70	3393	8.05	3447	8.39	3535	8.95	3628	9.58	3709	10.1	3795	10.8	3870	11.4	3950	12.1	---	---
7293	3900	3403	8.15	3459	8.54	3511	8.89	3603	9.51	3692	10.1	3773	10.7	3857	11.3	3933	12.0	4010	12.6	---	---
7480	4000	3464	8.60	3524	9.03	3573	9.40	3670	10.0	3753	10.6	3839	11.3	3916	11.9	3997	12.6	4067	13.2	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE 150

**DOUBLE WIDTH
DOUBLE INLET**

CENTRIFUGAL FAN TYPE **B**

**WHEEL DIA. 15"
OUTLET AREA 2.30 SQ FT**

LIMIT LOAD HP = .357 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2070	900	806	0.18	878	0.22	943	0.27	1008	0.33	1071	0.38	1132	0.45	1192	0.51	1298	0.65	1396	0.78	1490	0.94
2185	950	833	0.19	903	0.24	968	0.29	1029	0.35	1090	0.41	1149	0.47	1207	0.54	1314	0.68	1411	0.82	1503	0.97
2300	1000	862	0.22	931	0.27	993	0.32	1051	0.38	1110	0.44	1167	0.50	1223	0.57	1330	0.71	1426	0.86	1516	1.01
2415	1050	890	0.24	957	0.29	1019	0.35	1077	0.40	1131	0.47	1187	0.53	1240	0.59	1346	0.75	1443	0.90	1531	1.06
2530	1100	918	0.27	985	0.32	1044	0.38	1101	0.43	1153	0.50	1207	0.57	1260	0.63	1361	0.78	1459	0.93	1547	1.10
2760	1200	978	0.32	1040	0.38	1098	0.44	1152	0.50	1203	0.57	1252	0.64	1301	0.71	1397	0.85	1490	1.02	1579	1.19
2990	1300	1035	0.39	1098	0.45	1154	0.52	1206	0.58	1255	0.65	1302	0.72	1348	0.79	1437	0.95	1524	1.11	1610	1.29
3220	1400	1092	0.46	1156	0.53	1210	0.60	1261	0.67	1308	0.74	1353	0.81	1397	0.89	1479	1.04	1563	1.23	1644	1.39
3450	1500	1150	0.53	1215	0.62	1267	0.69	1316	0.77	1362	0.85	1406	0.92	1448	1.00	1530	1.16	1606	1.34	1684	1.53
3680	1600	1210	0.63	1272	0.72	1325	0.80	1373	0.88	1418	0.96	1459	1.04	1502	1.12	1581	1.29	1654	1.47	1727	1.66
3910	1700	1268	0.72	1329	0.82	1384	0.92	1429	1.00	1473	1.08	1516	1.17	1555	1.26	1630	1.42	1703	1.60	1772	1.80
4140	1800	1333	0.84	1385	0.93	1441	1.04	1488	1.14	1531	1.22	1570	1.30	1611	1.40	1685	1.59	1755	1.77	1823	1.96
4370	1900	1402	0.98	1446	1.07	1499	1.18	1547	1.28	1586	1.37	1629	1.47	1665	1.55	1738	1.75	1806	1.94	1874	2.15
4600	2000	1469	1.13	1506	1.21	1555	1.32	1604	1.44	1647	1.54	1685	1.63	1723	1.73	1794	1.94	1861	2.14	1923	2.34
4830	2100	1536	1.29	1564	1.36	1612	1.47	1662	1.61	1706	1.72	1743	1.82	1780	1.92	1849	2.13	1913	2.34	1977	2.56
5060	2200	1602	1.47	1630	1.54	1674	1.65	1718	1.78	1762	1.91	1803	2.03	1835	2.12	1905	2.34	1971	2.57	2031	2.79
5290	2300	1668	1.66	1698	1.74	1733	1.84	1773	1.95	1821	2.11	1860	2.24	1896	2.35	1963	2.57	2025	2.79	2085	3.04
5520	2400	1732	1.86	1766	1.96	1791	2.04	1835	2.17	1877	2.32	1917	2.46	1955	2.59	2019	2.81	2081	3.04	2142	3.30
5750	2500	1795	2.07	1834	2.20	1854	2.26	1896	2.40	1931	2.53	1975	2.70	2012	2.84	2077	3.08	2140	3.33	2196	3.56
5980	2600	1861	2.31	1900	2.45	1923	2.53	1955	2.64	1992	2.78	2032	2.94	2070	3.10	2137	3.37	2196	3.61	2252	3.86
6440	2800	2004	2.89	2031	3.00	2059	3.11	2076	3.18	2113	3.33	2147	3.48	2183	3.65	2252	3.98	2312	4.26	2367	4.53
6900	3000	2148	3.56	2160	3.60	2193	3.76	2213	3.86	2228	3.93	2268	4.12	2299	4.27	2368	4.64	2429	4.98	2483	5.27
7360	3200	2291	4.33	2299	4.31	2324	4.49	2349	4.62	2366	4.71	2384	4.80	2420	5.01	2479	5.34	2544	5.75	2601	6.11
7820	3400	2434	5.19	2444	5.17	2453	5.28	2482	5.46	2502	5.58	2516	5.66	2537	5.79	2599	6.18	2658	6.57	2715	6.98

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3450	1500	1759	1.70	1835	1.92	1908	2.13	2045	2.56	2170	3.02	2289	3.45	2405	3.95	2513	4.48	2619	5.03	2718	5.58
3680	1600	1799	1.86	1870	2.05	1941	2.27	2077	2.72	2203	3.19	2319	3.68	2431	4.14	2539	4.66	2643	5.22	2743	5.80
3910	1700	1841	2.01	1909	2.23	1977	2.42	2108	2.90	2234	3.37	2352	3.88	2460	4.39	2566	4.89	2668	5.42	2768	6.02
4140	1800	1885	2.17	1952	2.40	2016	2.62	2141	3.05	2264	3.58	2383	4.08	2493	4.62	2596	5.17	2697	5.70	2792	6.23
4370	1900	1937	2.36	1995	2.57	2058	2.81	2180	3.28	2299	3.77	2414	4.32	2525	4.84	2629	5.42	2726	6.00	2823	6.56
4600	2000	1987	2.55	2047	2.78	2101	3.00	2219	3.51	2334	3.98	2447	4.54	2556	5.12	2660	5.66	2760	6.27	2852	6.88
4830	2100	2038	2.77	2096	2.99	2153	3.24	2263	3.74	2374	4.26	2479	4.74	2588	5.37	2691	5.97	2791	6.53	2886	7.17
5060	2200	2088	3.01	2148	3.24	2202	3.47	2307	3.97	2415	4.53	2520	5.07	2621	5.60	2723	6.25	2822	6.88	2917	7.47
5290	2300	2144	3.27	2196	3.49	2254	3.75	2359	4.25	2457	4.79	2558	5.38	2660	5.92	2757	6.51	2853	7.19	2948	7.84
5520	2400	2196	3.54	2252	3.79	2303	4.02	2407	4.53	2504	5.08	2602	5.68	2699	6.28	2793	6.84	2887	7.48	2979	8.18
5750	2500	2253	3.83	2306	4.09	2358	4.34	2459	4.86	2555	5.41	2643	5.97	2741	6.63	2833	7.24	2923	7.81	3014	8.50
5980	2600	2309	4.13	2360	4.40	2412	4.67	2509	5.19	2604	5.73	2695	6.32	2783	6.96	2873	7.63	2963	8.26	3048	8.84
6210	2700	2362	4.44	2417	4.74	2464	5.01	2561	5.55	2656	6.12	2745	6.71	2828	7.32	2917	8.00	3001	8.68	3089	9.34
6440	2800	2420	4.79	2472	5.08	2521	5.37	2617	5.95	2706	6.51	2795	7.09	2880	7.74	2957	8.36	3046	9.10	3217	9.81
6670	2900	2478	5.17	2525	5.42	2577	5.75	2670	6.35	2757	6.91	2847	7.54	2929	8.15	3010	8.83	3087	9.50	3170	10.2
6900	3000	2534	5.56	2585	5.85	2631	6.13	2723	6.76	2813	7.38	2896	7.98	2980	8.62	3060	9.29	3135	9.97	3212	10.7
7130	3100	2589	5.95	2642	6.27	2687	6.55	2781	7.21	2867	7.85	2947	8.44	3032	9.12	3108	9.75	3186	10.4	3256	11.1
7360	3200	2650	6.41	2698	6.71	2746	7.03	2836	7.67	2918	8.32	3003	8.98	3081	9.61	3161	10.3	3236	10.9	3309	11.7
7590	3300	2710	6.88	2753	7.16	2803	7.50	2889	8.12	2976	8.84	3057	9.51	3133	10.1	3212	10.8	3286	11.5	3359	12.2
7820	3400	2768	7.36	2814	7.68	2859	7.99	2946	8.64	3032	9.36	3109	10.0	3189	10.7	3260	11.4	3338	12.1	3407	12.8
8050	3500	2825	7.85	2874	8.21	2915	8.50	3005	9.20	3087	9.89	3165	10.6	3243	11.3	3314	12.0	3388	12.7	---	---
8280	3600	2882	8.35	2933	8.75	2976	9.08	3062	9.78	3140	10.4	3222	11.2	3295	11.9	3370	12.7	3436	13.3	---	---
8510	3700	2941	8.88	2990	9.30	3036	9.68	3118	10.3	3199	11.0	3277	11.8	3350	12.6	3424	13.3	3493	14.0	---	---
8740	3800	2998	9.43	3046	9.85	3094	10.2	3172	10.9	3257	11.7	3331	12.4	3407	13.2	3475	14.0	3548	14.8	---	---
8970	3900	3054	9.98	3105	10.4	3151	10.8	3234	11.6	3314	12.4	3387	13.1	3463	13.9	3531	14.7	3601	15.5	---	---
9200	4000	3110	10.5	3163	11.0	3207	11.5	3294	12.3	3370	13.0	3446	13.8	3517	14.6	3589	15.5	3653	16.3	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 165
DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 16 1/2"

OUTLET AREA 2.81 SQ FT

LIMIT LOAD HP = .574 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2529	900	737	0.22	802	0.27	861	0.33	919	0.40	976	0.47	1032	0.55	1086	0.62	1182	0.79	1271	0.95	1357	1.14
2669	950	761	0.24	826	0.30	884	0.36	939	0.43	994	0.50	1048	0.58	1099	0.66	1198	0.83	1286	1.00	1368	1.18
2810	1000	788	0.27	851	0.33	908	0.39	960	0.46	1013	0.54	1065	0.61	1115	0.69	1212	0.87	1299	1.05	1381	1.23
2950	1050	814	0.30	875	0.36	931	0.43	983	0.50	1032	0.57	1082	0.65	1131	0.73	1226	0.91	1315	1.09	1395	1.29
3091	1100	840	0.33	901	0.40	955	0.46	1006	0.53	1054	0.61	1102	0.69	1149	0.78	1241	0.95	1329	1.14	1410	1.34
3372	1200	895	0.40	952	0.47	1004	0.55	1052	0.62	1100	0.70	1144	0.78	1187	0.87	1274	1.05	1358	1.25	1439	1.46
3653	1300	947	0.48	1004	0.56	1056	0.64	1103	0.72	1146	0.80	1190	0.88	1231	0.97	1311	1.17	1390	1.36	1468	1.58
3934	1400	999	0.56	1058	0.66	1107	0.74	1153	0.83	1196	0.92	1236	1.00	1277	1.09	1350	1.28	1426	1.50	1500	1.70
4215	1500	1053	0.66	1112	0.77	1159	0.86	1203	0.94	1246	1.04	1286	1.14	1323	1.23	1397	1.43	1466	1.64	1536	1.87
4496	1600	1108	0.78	1165	0.89	1213	0.99	1256	1.08	1297	1.18	1335	1.28	1373	1.38	1444	1.58	1511	1.80	1575	2.03
4777	1700	1162	0.90	1216	1.02	1267	1.14	1307	1.23	1348	1.33	1387	1.44	1421	1.55	1489	1.75	1557	1.97	1619	2.21
5058	1800	1223	1.05	1269	1.16	1319	1.29	1362	1.41	1401	1.51	1436	1.61	1474	1.73	1540	1.96	1604	2.18	1665	2.41
5339	1900	1286	1.22	1325	1.32	1372	1.46	1416	1.59	1452	1.69	1490	1.81	1523	1.91	1588	2.16	1651	2.39	1712	2.64
5620	2000	1348	1.41	1379	1.50	1423	1.63	1468	1.78	1508	1.91	1541	2.02	1577	2.14	1641	2.39	1701	2.64	1757	2.87
5901	2100	1409	1.61	1432	1.68	1477	1.83	1522	1.98	1561	2.13	1596	2.25	1629	2.37	1691	2.62	1750	2.89	1808	3.15
6182	2200	1469	1.83	1495	1.91	1533	2.05	1573	2.20	1613	2.36	1650	2.51	1681	2.62	1743	2.89	1802	3.17	1857	3.44
6463	2300	1529	2.06	1558	2.17	1588	2.28	1624	2.42	1667	2.61	1703	2.77	1736	2.91	1796	3.18	1852	3.44	1907	3.74
6744	2400	1588	2.31	1620	2.44	1641	2.52	1681	2.69	1718	2.86	1755	3.04	1790	3.20	1847	3.47	1904	3.76	1959	4.07
7025	2500	1646	2.57	1682	2.73	1700	2.81	1736	2.98	1768	3.12	1808	3.33	1841	3.51	1902	3.81	1958	4.11	2008	4.39
7306	2600	1708	2.88	1743	3.04	1764	3.14	1790	3.27	1825	3.45	1860	3.63	1895	3.83	1956	4.17	2009	4.46	2061	4.77
7868	2800	1840	3.60	1863	3.72	1888	3.86	1904	3.95	1935	4.13	1967	4.31	1998	4.50	2061	4.92	2117	5.27	2166	5.59
8430	3000	1971	4.44	1980	4.48	2011	4.67	2030	4.80	2043	4.88	2077	5.10	2106	5.30	2168	5.74	2223	6.16	2273	6.52
8992	3200	2103	5.39	2113	5.37	2131	5.57	2154	5.74	2170	5.85	2183	5.95	2217	6.20	2269	6.59	2329	7.11	2380	7.55
9554	3400	2234	6.47	2244	6.45	2249	6.56	2276	6.78	2295	6.93	2308	7.04	2323	7.16	2381	7.65	2433	8.12	2486	8.64

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4215	1500	1605	2.09	1673	2.34	1738	2.60	1864	3.12	1976	3.68	2085	4.22	2189	4.81	2288	5.45	2384	6.12	2474	6.79
4496	1600	1641	2.28	1706	2.51	1769	2.77	1892	3.33	2007	3.89	2112	4.49	2214	5.06	2312	5.68	2407	6.36	2497	7.06
4777	1700	1680	2.46	1741	2.73	1803	2.97	1921	3.54	2036	4.12	2143	4.73	2241	5.36	2338	5.98	2429	6.60	2521	7.33
5058	1800	1722	2.66	1781	2.93	1838	3.21	1952	3.72	2063	4.38	2172	4.99	2272	5.63	2364	6.31	2456	6.96	2543	7.59
5339	1900	1769	2.89	1823	3.15	1878	3.44	1989	4.02	2095	4.60	2199	5.28	2301	5.92	2395	6.61	2483	7.32	2571	8.01
5620	2000	1815	3.14	1869	3.41	1920	3.69	2026	4.30	2129	4.89	2230	5.54	2328	6.25	2424	6.92	2514	7.64	2599	8.40
5901	2100	1861	3.41	1915	3.68	1967	3.97	2065	4.58	2165	5.23	2261	5.81	2359	6.55	2452	7.29	2543	7.99	2629	8.75
6182	2200	1910	3.71	1962	3.99	2012	4.27	2107	4.88	2204	5.55	2299	6.21	2389	6.83	2482	7.63	2571	8.40	2658	9.14
6463	2300	1960	4.03	2008	4.30	2060	4.61	2154	5.22	2242	5.86	2335	6.59	2426	7.27	2513	7.94	2601	8.78	2686	9.58
6744	2400	2007	4.36	2059	4.67	2104	4.94	2199	5.57	2288	6.24	2375	6.96	2461	7.70	2548	8.39	2632	9.12	2716	9.99
7025	2500	2060	4.73	2108	5.04	2156	5.35	2247	5.98	2334	6.64	2414	7.32	2501	8.12	2584	8.88	2666	9.58	2747	10.3
7306	2600	2111	5.09	2158	5.43	2205	5.75	2292	6.38	2379	7.05	2462	7.78	2539	8.52	2622	9.34	2703	10.1	2780	10.8
7868	2700	2160	5.46	2210	5.84	2253	6.17	2342	6.84	2427	7.53	2507	8.23	2584	8.99	2661	9.80	2739	10.6	2817	11.4
8430	2800	2215	5.92	2260	6.25	2306	6.63	2392	7.33	2472	8.00	2554	8.73	2631	9.50	2701	10.2	2779	11.1	2853	12.0
8992	2900	2267	6.39	2311	6.70	2357	7.09	2440	7.82	2521	8.52	2601	9.27	2675	10.0	2749	10.8	2816	11.6	2893	12.5
9554	3000	2318	6.86	2365	7.22	2406	7.55	2491	8.34	2572	9.10	2646	9.81	2723	10.6	2795	11.4	2864	12.2	2931	13.1
8711	3100	2370	7.36	2417	7.75	2459	8.10	2543	8.89	2620	9.67	2695	10.4	2770	11.2	2840	11.9	2910	12.8	2975	13.7
8992	3200	2426	7.93	2468	8.28	2513	8.68	2593	9.45	2669	10.2	2746	11.0	2814	11.8	2888	12.6	2955	13.4	3022	14.4
9273	3300	2481	8.51	2521	8.86	2565	9.27	2642	10.0	2722	10.8	2795	11.7	2864	12.5	2934	13.3	3002	14.2	3069	15.0
9554	3400	2534	9.10	2577	9.50	2615	9.86	2696	10.6	2773	11.5	2842	12.3	2915	13.2	2978	14.0	3050	14.9	3113	15.8
9835	3500	2586	9.70	2631	10.1	2669	10.5	2750	11.3	2823	12.1	2895	13.1	2964	13.9	3030	14.8	3095	15.6		
10116	3600	2639	10.3	2684	10.8	2725	11.2	2802	12.0	2873	12.8	2947	13.8	3011	14.7	3081	15.6	3142	16.4		
10397	3700	2692	10.9	2736	11.4	2779	11.9	2852	12.7	2927	13.6	2997	14.5	3065	15.5	3129	16.4	3193	17.3		
10678	3800	2745	11.6	2789	12.1	2832	12.7	2905	13.5	2980	14.4	3046	15.3	3116	16.3	3177	17.2	3243	18.2		
10959	3900	2796	12.3	2842	12.9	2884	13.4	2961	14.4	3032	15.3	3099	16.2	3167	17.1	3230	18.2	3291	19.1		
11240	4000	2846	13.0	2895	13.8	2936	14.2	3016	15.2	3083	16.1	3153	17.1	3216	18.0	3282	19.1	3340	20.0		

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE **182**

CENTRIFUGAL FAN TYPE B

DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 18 1/4"
OUTLET AREA 3.42 SQ FT

LIMIT LOAD HP = 1.08 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3078	900	608	0.24	667	0.31	718	0.37	767	0.45	811	0.52	854	0.60	896	0.69	981	0.87	1062	1.07	1137	1.26
3249	950	626	0.26	686	0.34	735	0.41	784	0.48	829	0.56	868	0.64	909	0.73	990	0.91	1069	1.11	1144	1.32
3420	1000	645	0.29	706	0.37	754	0.44	800	0.52	846	0.60	886	0.69	924	0.77	1001	0.95	1077	1.16	1150	1.37
3591	1050	664	0.31	725	0.40	774	0.48	818	0.56	862	0.64	903	0.73	941	0.82	1013	1.00	1086	1.20	1158	1.43
3762	1100	683	0.34	744	0.43	794	0.52	835	0.60	878	0.69	920	0.78	958	0.87	1028	1.05	1097	1.26	1166	1.48
4104	1200	722	0.40	780	0.50	833	0.61	876	0.70	913	0.78	953	0.88	992	0.98	1061	1.18	1124	1.38	1187	1.60
4446	1300	763	0.48	819	0.59	870	0.70	915	0.80	954	0.90	987	0.98	1025	1.09	1095	1.31	1157	1.53	1215	1.74
4788	1400	805	0.56	858	0.68	907	0.79	952	0.91	993	1.02	1029	1.13	1060	1.22	1127	1.44	1191	1.68	1248	1.91
5130	1500	849	0.66	896	0.77	945	0.90	990	1.03	1031	1.15	1068	1.27	1101	1.38	1162	1.60	1224	1.85	1282	2.10
5472	1600	896	0.77	938	0.89	984	1.02	1027	1.15	1069	1.29	1106	1.42	1140	1.55	1200	1.77	1258	2.02	1316	2.29
5814	1700	940	0.89	980	1.02	1022	1.15	1065	1.29	1105	1.43	1144	1.58	1179	1.72	1240	1.98	1292	2.20	1349	2.49
6156	1800	984	1.02	1023	1.15	1063	1.29	1104	1.44	1144	1.60	1180	1.74	1216	1.90	1279	2.18	1334	2.45	1383	2.70
6498	1900	1034	1.18	1070	1.32	1106	1.46	1143	1.60	1180	1.76	1218	1.93	1253	2.08	1317	2.40	1373	2.69	1422	2.96
6840	2000	1083	1.36	1115	1.49	1147	1.63	1183	1.78	1221	1.95	1256	2.12	1290	2.29	1355	2.62	1412	2.94	1463	3.24
7182	2100	1132	1.55	1159	1.68	1191	1.82	1226	1.98	1259	2.14	1295	2.32	1329	2.50	1392	2.86	1450	3.20	1502	3.53
7524	2200	1180	1.75	1203	1.87	1238	2.04	1268	2.20	1300	2.36	1334	2.55	1366	2.73	1428	3.10	1488	3.47	1541	3.83
7866	2300	1227	1.96	1253	2.11	1283	2.28	1309	2.42	1343	2.61	1371	2.77	1406	2.98	1467	3.37	1525	3.75	1578	4.13
8208	2400	1273	2.19	1303	2.36	1328	2.52	1356	2.69	1384	2.86	1414	3.04	1444	3.23	1505	3.64	1560	4.04	1616	4.45
8550	2500	1318	2.43	1352	2.63	1371	2.77	1403	2.97	1425	3.12	1457	3.33	1483	3.51	1543	3.94	1600	4.36	1652	4.78
8892	2600	1368	2.70	1400	2.92	1419	3.07	1448	3.27	1472	3.44	1499	3.63	1527	3.83	1583	4.25	1638	4.69	1689	5.12
9576	2800	1472	3.34	1495	3.54	1518	3.74	1535	3.89	1564	4.12	1586	4.30	1610	4.50	1600	4.92	1715	5.41	1766	5.88
10260	3000	1577	4.08	1587	4.23	1615	4.49	1633	4.67	1653	4.85	1679	5.09	1699	5.29	1747	5.74	1791	6.18	1843	6.71
10944	3200	1681	4.92	1683	5.03	1710	5.31	1731	5.54	1746	5.71	1767	5.94	1791	6.19	1828	6.59	1877	7.12	1920	7.60
11628	3400	1785	5.86	1788	5.99	1803	6.21	1828	6.50	1845	6.72	1858	6.89	1880	7.15	1921	7.64	1960	8.12	2003	8.64

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5130	1500	1336	2.35	1385	2.59	1437	2.86	1539	3.44	1641	4.06	1737	4.71	1831	5.37	1921	6.04	2008	6.72	2093	7.38
5472	1600	1369	2.56	1420	2.82	1485	3.07	1561	3.65	1658	4.28	1753	4.96	1844	5.64	1932	6.35	2017	7.06	2101	7.79
5814	1700	1403	2.77	1454	3.06	1501	3.34	1581	3.91	1680	4.53	1770	5.20	1860	5.92	1945	6.64	2030	7.40	2109	8.14
6156	1800	1436	3.00	1487	3.30	1535	3.60	1622	4.19	1708	4.82	1792	5.49	1877	6.20	1962	6.96	2043	7.72	2123	8.52
6498	1900	1471	3.24	1519	3.55	1569	3.88	1658	4.51	1736	5.11	1818	5.80	1899	6.52	1979	7.27	2060	8.07	2137	8.88
6840	2000	1507	3.51	1555	3.83	1601	4.15	1691	4.83	1772	5.49	1847	6.15	1924	6.86	2001	7.62	2077	8.42	2154	9.25
7182	2100	1549	3.84	1590	4.11	1636	4.46	1724	5.15	1806	5.86	1881	6.54	1953	7.25	2026	8.00	2099	8.81	2172	9.64
7524	2200	1587	4.16	1632	4.48	1670	4.76	1757	5.49	1840	6.24	1916	6.97	1985	7.67	2055	8.44	2124	9.22	2194	10.0
7866	2300	1627	4.50	1671	4.84	1712	5.17	1792	5.86	1872	6.61	1950	7.39	2021	8.16	2085	8.88	2154	9.70	2219	10.5
8208	2400	1665	4.84	1710	5.22	1752	5.57	1825	6.21	1906	7.02	1983	7.83	2054	8.62	2122	9.43	2182	10.1	2249	11.0
8550	2500	1702	5.19	1749	5.60	1791	5.98	1867	6.70	1941	7.44	2014	8.25	2088	9.12	2156	9.95	2219	10.7	2277	11.5
8892	2600	1740	5.57	1786	5.99	1830	6.41	1908	7.18	1974	7.87	2050	8.74	2120	9.60	2190	10.4	2254	11.3	2314	12.2
9234	2700	1776	5.94	1824	6.40	1868	6.84	1946	7.66	2017	8.44	2084	9.23	2154	10.1	2222	11.0	2287	11.9	2349	12.8
9576	2800	1813	6.34	1861	6.82	1905	7.28	1986	8.18	2057	9.01	2120	9.75	2189	10.6	2253	11.5	2321	12.5	2382	13.4
9918	2900	1853	6.78	1897	7.24	1943	7.75	2025	8.70	2096	9.57	2162	10.4	2223	11.2	2290	12.1	2352	13.1	2415	14.1
10260	3000	1890	7.21	1935	7.71	1979	8.22	2061	9.21	2136	10.1	2202	11.0	2261	11.8	2324	12.7	2386	13.7	2448	14.7
10602	3100	1927	7.65	1974	8.20	2015	8.69	2099	9.76	2175	10.7	2241	11.6	2303	12.5	2357	13.3	2422	14.4	2480	15.4
10944	3200	1967	8.16	2011	8.70	2055	9.24	2137	10.3	2212	11.3	2280	12.3	2343	13.3	2399	14.1	2455	15.1	2516	16.1
11286	3300	2007	8.67	2048	9.20	2093	9.78	2173	10.8	2249	11.9	2320	13.0	2381	14.0	2441	15.0	2493	15.8	2550	16.9
11628	3400	2045	9.18	2089	9.77	2130	10.3	2209	11.4	2287	12.6	2357	13.7	2421	14.8	2480	15.8	2535	16.7	2593	17.6
11970	3500	2081	9.69	2128	10.3	2168	10.9	2249	12.1	2324	13.2	2393	14.4	2460	15.5	2518	16.6	2575	17.6	—	—
12312	3600	2126	10.3	2166	10.9	2208	11.5	2287	12.7	2360	13.9	2432	15.1	2498	16.3	2559	17.4	2614	18.5	—	—
12654	3700	2169	10.9	2203	11.4	2247	12.1	2324	13.4	2397	14.6	2469	15.9	2534	17.1	2597	18.3	2653	19.4	—	—
12996	3800	2212	11.6	2247	12.2	2285	12.8	2361	14.0	2437	15.4	2506	16.6	2573	17.9	2635	19.1	2693	20.3	—	—
13338	3900	2253	12.3	2290	12.9	2322	13.4	2402	14.8	2475	16.1	2540	17.4	2610	18.8	2671	20.0	2732	21.3	—	—
13680	4000	2294	13.0	2333	13.6	2366	14.2	2441	15.6	2512	16.9	2580	18.2	2647	19.6	2710	20.9	2769	22.2	—	—

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE **B** SIZE **200**

WHEEL DIA. 20"

OUTLET AREA 4.14 SQ FT

LIMIT LOAD HP = 1.70 ($\frac{RPM}{1,000}$)³

DOUBLE WIDTH
DOUBLE INLET

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3726	900	557	0.29	611	0.37	657	0.46	703	0.55	743	0.64	781	0.73	819	0.83	896	1.05	970	1.29	1038	1.53
3933	950	574	0.32	629	0.41	673	0.49	718	0.59	759	0.68	794	0.78	832	0.88	905	1.10	976	1.34	1045	1.59
4140	1000	592	0.35	647	0.45	691	0.53	733	0.63	774	0.73	811	0.83	845	0.93	914	1.15	984	1.40	1050	1.65
4347	1050	609	0.38	664	0.49	710	0.58	749	0.68	789	0.78	827	0.89	861	0.99	927	1.21	993	1.46	1058	1.72
4554	1100	626	0.42	682	0.53	727	0.63	765	0.73	804	0.83	842	0.95	877	1.06	940	1.28	1003	1.52	1065	1.78
4968	1200	662	0.49	715	0.62	763	0.74	803	0.85	836	0.95	873	1.07	908	1.19	971	1.43	1028	1.67	1085	1.93
5382	1300	701	0.59	751	0.71	797	0.85	839	0.98	874	1.09	905	1.20	939	1.33	1002	1.59	1059	1.85	1112	2.11
5796	1400	739	0.69	786	0.82	831	0.97	873	1.11	910	1.25	943	1.37	971	1.48	1032	1.76	1090	2.04	1143	2.32
6210	1500	780	0.81	821	0.94	866	1.10	907	1.25	944	1.40	979	1.55	1009	1.68	1064	1.94	1120	2.24	1174	2.55
6624	1600	823	0.95	861	1.09	902	1.24	942	1.41	979	1.57	1013	1.73	1045	1.88	1100	2.16	1152	2.46	1204	2.78
7038	1700	863	1.09	899	1.24	937	1.40	976	1.57	1013	1.75	1048	1.92	1080	2.09	1136	2.41	1184	2.68	1235	3.02
7452	1800	905	1.26	940	1.41	976	1.58	1013	1.76	1048	1.94	1081	2.12	1115	2.31	1172	2.66	1222	2.98	1266	3.28
7866	1900	951	1.45	982	1.61	1015	1.78	1048	1.95	1083	2.15	1117	2.35	1148	2.54	1207	2.92	1258	3.27	1304	3.60
8280	2000	996	1.67	1024	1.83	1052	1.99	1086	2.18	1119	2.38	1151	2.58	1183	2.79	1242	3.19	1294	3.59	1340	3.95
8694	2100	1040	1.90	1064	2.05	1094	2.23	1125	2.43	1154	2.61	1187	2.84	1218	3.05	1276	3.48	1329	3.90	1376	4.30
9108	2200	1084	2.14	1106	2.30	1137	2.50	1163	2.68	1193	2.89	1223	3.11	1253	3.33	1310	3.77	1363	4.23	1412	4.66
9522	2300	1127	2.40	1152	2.59	1179	2.79	1203	2.97	1232	3.19	1258	3.38	1289	3.63	1345	4.10	1397	4.57	1446	5.02
9936	2400	1170	2.68	1197	2.90	1219	3.08	1246	3.29	1270	3.49	1298	3.72	1324	3.94	1379	4.44	1431	4.92	1481	5.42
10350	2500	1211	2.97	1242	3.23	1259	3.39	1288	3.64	1309	3.82	1337	4.07	1361	4.29	1415	4.80	1467	5.32	1514	5.82
10764	2600	1258	3.32	1286	3.58	1295	3.76	1329	4.00	1352	4.21	1375	4.43	1401	4.68	1452	5.19	1501	5.72	1548	6.24
11592	2800	1354	4.11	1373	4.35	1395	4.59	1409	4.76	1437	5.04	1457	5.27	1478	5.50	1524	6.02	1573	6.60	1619	7.16
12420	3000	1450	5.01	1458	5.19	1484	5.50	1501	5.72	1517	5.94	1542	6.23	1560	6.47	1603	7.01	1642	7.53	1690	8.18
13248	3200	1546	6.04	1548	6.18	1571	6.51	1591	6.80	1605	7.01	1623	7.27	1645	7.58	1678	8.05	1722	8.70	1760	9.27
14076	3400	1642	7.21	1644	7.36	1656	7.61	1680	7.97	1696	8.24	1708	8.45	1727	8.75	1764	9.36	1799	9.92	1838	10.5

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6210	1500	1223	2.85	1267	3.14	1315	3.47	1407	4.16	1499	4.91	1587	5.69	1672	6.49	1754	7.30	1834	8.12	1910	8.92
6624	1600	1254	3.10	1300	3.43	1341	3.73	1428	4.42	1516	5.18	1602	5.99	1684	6.81	1765	7.68	1841	8.52	1918	9.41
7038	1700	1284	3.37	1331	3.71	1374	4.05	1455	4.74	1535	5.47	1618	6.30	1699	7.16	1777	8.03	1854	8.94	1926	9.85
7452	1800	1315	3.64	1361	4.01	1405	4.37	1485	5.09	1562	5.84	1638	6.63	1716	7.50	1792	8.41	1867	9.34	1939	10.3
7866	1900	1347	3.93	1392	4.31	1436	4.70	1517	5.47	1589	6.20	1663	7.03	1736	7.88	1809	8.80	1882	9.75	1953	10.7
8280	2000	1382	4.28	1424	4.65	1466	5.04	1548	5.86	1622	6.67	1690	7.44	1760	8.32	1829	9.22	1899	10.1	1967	11.1
8694	2100	1419	4.67	1457	5.01	1498	5.41	1578	6.25	1653	7.10	1722	7.95	1787	8.79	1853	9.70	1919	10.6	1986	11.6
9108	2200	1455	5.06	1495	5.45	1531	5.80	1609	6.67	1685	7.57	1754	8.46	1817	9.32	1880	10.2	1943	11.1	2005	12.1
9522	2300	1491	5.48	1531	5.89	1569	6.30	1641	7.11	1713	8.02	1785	8.98	1850	9.90	1909	10.7	1970	11.7	2030	12.7
9936	2400	1526	5.90	1568	6.35	1605	6.78	1673	7.57	1746	8.53	1815	9.50	1881	10.4	1942	11.4	1998	12.3	2057	13.3
10350	2500	1560	6.33	1603	6.82	1641	7.29	1712	8.16	1777	9.04	1844	10.0	1912	11.0	1973	12.0	2031	13.0	2094	14.0
10764	2600	1595	6.78	1636	7.29	1677	7.81	1748	8.75	1810	9.59	1877	10.6	1941	11.6	2004	12.7	2063	13.7	2118	14.8
11178	2700	1628	7.23	1672	7.80	1712	8.33	1784	9.34	1849	10.2	1908	11.2	1972	12.2	2034	13.3	2094	14.4	2150	15.5
11592	2800	1663	7.73	1706	8.31	1746	8.87	1820	9.96	1885	10.9	1943	11.8	2005	12.9	2064	14.0	2124	15.2	2181	16.3
12006	2900	1699	8.26	1738	8.81	1781	9.44	1855	10.5	1921	11.6	1981	12.6	2035	13.6	2097	14.7	2153	15.9	2211	17.1
12420	3000	1733	8.79	1775	9.40	1814	10.0	1889	11.2	1958	12.3	2018	13.4	2072	14.4	2128	15.5	2185	16.7	2240	17.9
12834	3100	1767	9.34	1810	10.0	1848	10.6	1924	11.8	1993	13.1	2053	14.2	2110	15.3	2160	16.3	2218	17.5	2272	18.7
13248	3200	1804	9.95	1844	10.5	1884	11.2	1959	12.5	2027	13.8	2090	15.0	2147	16.2	2199	17.2	2248	18.3	2304	19.8
13662	3300	1840	10.5	1879	11.2	1919	11.9	1991	13.2	2061	14.5	2126	15.9	2182	17.0	2237	18.2	2285	19.3	2335	20.5
14076	3400	1875	11.1	1916	11.9	1953	12.5	2026	13.9	2096	15.3	2160	16.7	2219	18.0	2273	19.2	2323	20.4	2368	21.4
14490	3500	1911	11.8	1952	12.6	1989	13.3	2062	14.7	2130	16.1	2184	17.5	2255	18.9	2308	20.2	2360	21.5	---	---
14904	3600	1951	12.6	1986	13.3	2025	14.0	2097	15.5	2162	16.9	2229	18.4	2289	19.9	2345	21.2	2395	22.5	---	---
15318	3700	1991	13.4	2022	14.0	2061	14.8	2131	16.3	2198	17.8	2263	19.3	2322	20.8	2380	22.3	2432	23.6	---	---
15732	3800	2030	14.2	2062	14.9	2096	15.6	2166	17.1	2234	18.7	2296	20.2	2358	21.8	2414	23.3	2468	24.8	---	---
16146	3900	2067	15.0	2102	15.8	2131	16.4	2203	18.1	2269	19.7	2330	21.2	2392	22.8	2448	24.4	2503	25.9	---	---
16560	4000	2105	15.8	2141	16.7	2171	17.4	2239	19.0	2303	20.6	2366	22.2	2425	23.9	2484	25.5	2537	27.1	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE 222

**DOUBLE WIDTH
DOUBLE INLET**

CENTRIFUGAL FAN TYPE **B**

WHEEL DIA. 22 1/4"

OUTLET AREA 5.09 SQ FT

LIMIT LOAD HP = 2.90 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4581	900	499	0.35	547	0.46	589	0.56	630	0.67	666	0.78	701	0.90	735	1.02	805	1.29	871	1.59	933	1.88
4835	950	514	0.39	563	0.50	603	0.60	644	0.72	680	0.84	712	0.95	746	1.08	812	1.35	877	1.65	938	1.96
5090	1000	530	0.43	580	0.55	619	0.65	657	0.77	694	0.90	727	1.02	758	1.14	821	1.42	883	1.72	944	2.04
5344	1050	545	0.47	595	0.60	636	0.71	671	0.83	707	0.96	741	1.09	772	1.22	831	1.49	891	1.79	950	2.12
5599	1100	561	0.51	611	0.65	651	0.77	685	0.89	721	1.02	755	1.16	786	1.30	843	1.57	900	1.87	957	2.20
6108	1200	593	0.60	640	0.75	683	0.90	719	1.04	749	1.16	782	1.31	814	1.46	871	1.75	923	2.05	974	2.38
6617	1300	627	0.71	672	0.87	714	1.04	751	1.19	783	1.34	810	1.47	841	1.63	898	1.95	949	2.27	997	2.60
7126	1400	661	0.84	704	1.01	744	1.18	782	1.36	815	1.52	844	1.68	870	1.82	925	2.15	977	2.51	1024	2.85
7635	1500	697	0.99	735	1.15	776	1.34	812	1.53	846	1.71	877	1.89	904	2.06	954	2.38	1004	2.75	1052	3.12
8144	1600	735	1.15	770	1.33	807	1.52	843	1.72	877	1.92	908	2.12	936	2.30	985	2.64	1033	3.01	1080	3.41
8653	1700	772	1.33	805	1.51	839	1.71	874	1.92	907	2.13	939	2.35	967	2.56	1018	2.94	1060	3.28	1107	3.70
9162	1800	808	1.53	840	1.72	873	1.93	906	2.15	939	2.38	968	2.60	998	2.83	1050	3.25	1095	3.64	1135	4.02
9671	1900	849	1.77	878	1.97	908	2.17	938	2.39	969	2.62	1000	2.87	1028	3.10	1081	3.57	1127	4.00	1167	4.41
10180	2000	890	2.03	916	2.23	941	2.42	971	2.65	1002	2.91	1031	3.15	1059	3.41	1112	3.91	1159	4.39	1201	4.83
10689	2100	930	2.31	952	2.50	978	2.72	1007	2.96	1033	3.19	1063	3.46	1091	3.73	1143	4.25	1190	4.77	1233	5.26
11198	2200	969	2.60	988	2.79	1016	3.05	1041	3.27	1067	3.52	1095	3.79	1121	4.06	1172	4.61	1221	5.17	1265	5.71
11707	2300	1007	2.92	1029	3.15	1054	3.39	1075	3.61	1102	3.89	1126	4.13	1154	4.44	1205	5.02	1251	5.59	1295	6.15
12216	2400	1045	3.26	1070	3.53	1090	3.75	1114	4.01	1137	4.26	1161	4.54	1185	4.82	1235	5.42	1281	6.01	1326	6.63
12725	2500	1083	3.62	1110	3.93	1126	4.13	1152	4.43	1170	4.65	1196	4.97	1218	5.23	1267	5.87	1313	6.50	1356	7.12
13234	2600	1123	4.03	1149	4.36	1166	4.58	1189	4.87	1209	5.13	1230	5.41	1253	5.71	1299	6.34	1344	6.99	1386	7.62
14252	2800	1209	4.99	1227	5.29	1247	5.58	1260	5.80	1284	6.14	1302	6.42	1322	6.71	1363	7.34	1408	8.06	1449	8.76
15270	3000	1295	6.09	1303	6.31	1326	6.70	1341	6.96	1357	7.24	1378	7.59	1395	7.88	1434	8.56	1470	9.20	1513	9.99
16288	3200	1381	7.34	1383	7.51	1404	7.92	1422	8.26	1434	8.52	1451	8.85	1471	9.23	1501	9.83	1541	10.6	1576	11.3
17306	3400	1466	8.75	1468	8.94	1480	9.26	1501	9.70	1515	10.0	1526	10.2	1544	10.6	1577	11.3	1609	12.1	1644	12.8

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7635	1500	1095	3.49	1137	3.86	1179	4.26	1263	5.12	1346	6.05	1425	7.01	1502	7.99	1576	8.99	1647	10.0	1717	10.9
8144	1600	1124	3.80	1165	4.20	1202	4.58	1281	5.43	1361	6.38	1438	7.37	1513	8.39	1585	9.45	1654	10.5	1723	11.5
8653	1700	1151	4.13	1193	4.55	1232	4.97	1305	5.82	1378	6.74	1453	7.74	1526	8.81	1596	9.89	1665	11.0	1730	12.1
9162	1800	1178	4.46	1221	4.92	1260	5.36	1331	6.24	1401	7.18	1470	8.16	1540	9.23	1610	10.3	1676	11.4	1742	12.6
9671	1900	1207	4.82	1247	5.28	1287	5.77	1360	6.72	1424	7.61	1492	8.64	1558	9.70	1624	10.8	1690	12.0	1753	13.2
10180	2000	1237	5.23	1276	5.70	1314	6.18	1388	7.19	1454	8.18	1516	9.15	1579	10.2	1642	11.3	1704	12.5	1767	13.7
10689	2100	1271	5.72	1305	6.13	1343	6.63	1415	7.67	1482	8.72	1544	9.74	1603	10.8	1662	11.9	1722	13.1	1782	14.3
11198	2200	1303	6.19	1339	6.67	1371	7.09	1442	8.17	1510	9.29	1572	10.3	1629	11.4	1686	12.5	1743	13.7	1800	14.9
11707	2300	1336	6.71	1372	7.21	1405	7.70	1471	8.72	1536	9.84	1600	11.0	1658	12.1	1711	13.2	1767	14.4	1821	15.8
12216	2400	1367	7.22	1404	7.77	1438	8.30	1498	9.25	1564	10.4	1627	11.6	1686	12.8	1741	14.0	1791	15.1	1845	16.4
12725	2500	1397	7.74	1436	8.35	1470	8.91	1533	9.98	1593	11.0	1653	12.2	1714	13.5	1769	14.8	1821	16.0	1868	17.1
13234	2600	1428	8.30	1466	8.92	1502	9.55	1566	10.7	1621	11.7	1682	13.0	1740	14.2	1797	15.8	1849	16.9	1899	18.1
13743	2700	1458	8.85	1497	9.54	1533	10.1	1597	11.4	1656	12.5	1710	13.7	1768	15.0	1824	16.4	1877	17.7	1927	19.1
14252	2800	1489	9.45	1528	10.1	1564	10.8	1630	12.1	1689	13.4	1740	14.5	1797	15.8	1849	17.2	1904	18.6	1955	20.0
14761	2900	1521	10.1	1557	10.7	1595	11.5	1662	12.9	1720	14.2	1774	15.4	1824	16.6	1879	18.1	1930	19.5	1983	21.0
15270	3000	1552	10.7	1589	11.4	1625	12.2	1692	13.7	1753	15.1	1808	16.4	1856	17.6	1907	19.0	1959	20.5	2009	21.9
15779	3100	1582	11.4	1620	12.2	1654	12.9	1723	14.5	1785	16.0	1839	17.4	1890	18.7	1934	19.9	1987	21.5	2036	22.9
16288	3200	1615	12.1	1651	12.9	1687	13.7	1754	15.3	1816	16.9	1872	18.4	1923	19.8	1969	21.1	2015	22.4	2065	24.0
16797	3300	1647	12.9	1682	13.7	1718	14.5	1784	16.2	1846	17.8	1904	19.4	1954	20.9	2003	22.3	2046	23.6	2093	25.1
17306	3400	1678	13.6	1715	14.5	1748	15.3	1813	17.0	1877	18.8	1935	20.4	1987	22.0	2036	23.5	2081	24.9	2120	26.2
17815	3500	1709	14.4	1747	15.4	1780	16.2	1846	18.0	1908	19.8	1964	21.4	2019	23.2	2067	24.7	2114	26.3	---	---
18324	3600	1745	15.4	1778	16.2	1813	17.2	1878	19.0	1937	20.7	1996	22.6	2050	24.3	2100	26.0	2146	27.6	---	---
18833	3700	1781	16.3	1808	17.1	1845	18.1	1908	19.9	1968	21.8	2027	23.7	2080	25.4	2132	27.3	2178	28.9	---	---
19342	3800	1816	17.3	1845	18.1	1876	19.1	1938	20.9	2000	22.9	2057	24.8	2112	26.7	2163	28.5	2210	30.3	---	---
19851	3900	1850	18.3	1880	19.2	1906	20.0	1972	22.1	2032	24.1	2085	25.9	2142	28.0	2192	29.8	2242	31.7	---	---
20360	4000	1883	19.4	1915	20.3	1942	21.2	2004	23.2	2062	25.2	2118	27.2	2172	29.2	2224	31.2	2273	33.1	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 245

DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 24 1/2"

OUTLET AREA 6.23 SQ FT

LIMIT LOAD HP = 4.71 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5607	900	456	0.44	500	0.56	537	0.69	574	0.82	607	0.96	638	1.10	669	1.25	732	1.58	792	1.94	848	2.30
5918	950	469	0.48	514	0.62	550	0.74	587	0.89	620	1.03	649	1.17	680	1.32	739	1.65	797	2.02	853	2.40
6230	1000	484	0.53	529	0.68	565	0.81	599	0.95	633	1.10	663	1.26	690	1.40	747	1.73	803	2.10	858	2.49
6541	1050	498	0.58	543	0.73	580	0.88	612	1.02	645	1.18	676	1.34	704	1.50	757	1.83	811	2.19	864	2.59
6853	1100	512	0.63	557	0.80	595	0.95	626	1.09	658	1.26	688	1.43	717	1.59	768	1.92	819	2.29	870	2.68
7476	1200	541	0.74	585	0.93	624	1.11	656	1.28	684	1.43	713	1.61	742	1.79	794	2.15	840	2.52	886	2.91
8099	1300	573	0.88	614	1.08	652	1.28	686	1.47	715	1.65	740	1.81	767	2.00	819	2.40	866	2.79	908	3.18
8722	1400	604	1.04	643	1.24	680	1.46	714	1.67	744	1.88	771	2.07	794	2.24	843	2.65	891	3.08	934	3.50
9345	1500	638	1.22	672	1.42	708	1.66	741	1.88	772	2.11	800	2.33	825	2.54	870	2.92	915	3.37	959	3.84
9968	1600	673	1.43	704	1.64	738	1.88	770	2.12	801	2.37	829	2.61	854	2.84	899	3.26	942	3.70	984	4.18
10591	1700	706	1.65	736	1.87	767	2.11	798	2.37	828	2.63	857	2.90	883	3.15	929	3.63	968	4.05	1010	4.55
11214	1800	740	1.90	769	2.14	798	2.38	828	2.66	857	2.93	884	3.20	911	3.48	959	4.01	999	4.49	1035	4.94
11837	1900	778	2.20	804	2.44	830	2.69	857	2.95	886	3.24	913	3.54	939	3.82	987	4.40	1028	4.94	1066	5.43
12460	2000	815	2.52	838	2.76	861	3.00	888	3.29	915	3.59	941	3.89	967	4.20	1015	4.82	1058	5.41	1096	5.95
13083	2100	851	2.87	871	3.10	895	3.37	920	3.66	944	3.94	971	4.28	996	4.60	1043	5.24	1086	5.87	1125	6.48
13706	2200	887	3.24	905	3.47	930	3.78	951	4.05	976	4.36	1000	4.68	1024	5.02	1071	5.70	1115	6.38	1154	7.03
14329	2300	922	3.63	943	3.91	964	4.21	984	4.48	1008	4.81	1029	5.10	1054	5.48	1100	6.19	1142	6.89	1182	7.58
14952	2400	957	4.05	980	4.38	997	4.65	1019	4.98	1039	5.28	1062	5.62	1083	5.95	1128	6.69	1170	7.43	1211	8.18
15575	2500	991	4.49	1016	4.88	1030	5.12	1054	5.50	1071	5.78	1094	6.15	1114	6.48	1158	7.25	1200	8.02	1238	8.77
16198	2600	1030	5.02	1053	5.42	1068	5.69	1088	6.04	1106	6.37	1125	6.69	1146	7.07	1187	7.83	1228	8.62	1266	9.41
17444	2800	1108	6.21	1124	6.57	1142	6.94	1153	7.19	1175	7.62	1192	7.96	1209	8.30	1247	9.09	1286	9.95	1324	10.8
18690	3000	1187	7.58	1193	7.84	1215	8.32	1228	8.65	1241	8.97	1261	9.42	1277	9.78	1311	10.5	1343	11.3	1382	12.3
19936	3200	1266	9.14	1267	9.35	1286	9.85	1302	10.2	1313	10.5	1328	10.9	1346	11.4	1373	12.1	1409	13.1	1440	13.9
21182	3400	1344	10.9	1346	11.1	1355	11.5	1375	12.0	1388	12.4	1398	12.7	1413	13.2	1444	14.1	1471	14.9	1504	15.9

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9345	1500	999	4.29	1035	4.73	1074	5.22	1149	6.26	1224	7.39	1296	8.55	1365	9.76	1432	10.9	1497	12.2	1559	13.4
9968	1600	1025	4.67	1062	5.16	1096	5.61	1167	6.66	1238	7.80	1308	9.01	1375	10.2	1441	11.5	1503	12.8	1566	14.1
10591	1700	1050	5.07	1088	5.59	1123	6.11	1189	7.13	1254	8.23	1322	9.48	1388	10.7	1451	12.0	1514	13.4	1573	14.8
11214	1800	1075	5.49	1112	6.04	1148	6.59	1214	7.66	1276	8.79	1338	9.98	1402	11.2	1464	12.6	1524	14.0	1583	15.4
11837	1900	1101	5.93	1137	6.50	1173	7.08	1240	8.24	1298	9.35	1359	10.5	1418	11.8	1478	13.2	1537	14.6	1595	16.1
12460	2000	1130	6.46	1164	7.00	1198	7.60	1265	8.83	1326	10.0	1380	11.2	1438	12.5	1494	13.8	1551	15.3	1607	16.8
13083	2100	1160	7.05	1191	7.56	1224	8.15	1290	9.42	1351	10.7	1407	11.9	1460	13.2	1514	14.6	1567	16.0	1622	17.5
13706	2200	1189	7.64	1223	8.23	1251	8.75	1315	10.0	1377	11.4	1433	12.7	1485	14.0	1536	15.3	1587	16.8	1638	18.3
14329	2300	1219	8.27	1252	8.89	1283	9.49	1341	10.7	1400	12.0	1459	13.5	1512	14.9	1560	16.2	1609	17.6	1658	19.2
14952	2400	1247	8.89	1282	9.58	1313	10.2	1368	11.4	1427	12.8	1483	14.3	1537	15.7	1587	17.2	1633	18.6	1680	20.1
15575	2500	1276	9.54	1311	10.2	1342	10.9	1399	12.3	1453	13.6	1507	15.1	1562	16.6	1612	18.1	1660	19.7	1704	21.1
16198	2600	1304	10.2	1338	10.9	1371	11.7	1429	13.1	1480	14.4	1534	16.0	1586	17.5	1638	19.1	1686	20.7	1731	22.3
16821	2700	1331	10.9	1367	11.7	1399	12.5	1458	14.0	1511	15.5	1560	16.8	1612	18.5	1662	20.1	1711	21.8	1757	23.4
17444	2800	1360	11.6	1395	12.5	1428	13.3	1488	15.0	1541	16.5	1588	17.9	1638	19.5	1687	21.1	1736	22.9	1782	24.6
18067	2900	1389	12.4	1421	13.2	1456	14.2	1517	15.9	1570	17.5	1620	19.1	1663	20.4	1714	22.2	1759	23.9	1807	25.8
18690	3000	1417	13.2	1451	14.1	1483	15.0	1544	16.8	1601	18.6	1650	20.2	1694	21.7	1739	23.3	1786	25.2	1831	26.9
19313	3100	1445	14.0	1480	15.0	1511	16.0	1573	17.9	1629	19.7	1679	21.4	1725	23.1	1766	24.5	1812	26.4	1857	28.2
19936	3200	1475	15.0	1508	15.9	1541	16.9	1601	18.9	1657	20.8	1709	22.7	1755	24.4	1798	26.0	1837	27.6	1883	29.6
20559	3300	1505	15.9	1537	16.9	1569	17.9	1628	19.9	1685	22.0	1738	23.9	1784	25.7	1829	27.5	1868	29.1	1909	30.9
21182	3400	1533	16.8	1567	17.9	1597	18.9	1657	21.0	1714	23.2	1766	25.2	1814	27.1	1858	29.0	1899	30.8	1936	32.4
21805	3500	1563	17.9	1596	19.0	1626	20.0	1686	22.2	1741	24.3	1794	26.5	1843	28.6	1887	30.5	1929	32.4	---	---
22428	3600	1596	19.0	1624	20.0	1656	21.2	1715	23.4	1768	25.5	1823	27.8	1871	30.0	1917	32.1	1958	34.0	---	---
23051	3700	1628	20.2	1654	21.2	1685	22.4	1742	24.6	1798	26.9	1850	29.2	1899	31.4	1946	33.6	1988	35.7	---	---
23674	3800	1660	21.5	1687	22.5	1714	23.5	1771	25.9	1827	28.3	1877	30.5	1928	32.9	1974	35.2	2018	37.4	---	---
24297	3900	1691	22.7	1719	23.8	1743	24.8	1801	27.3	1855	29.7	1905	32.0	1956	34.5	2002	36.8	2047	39.1	---	---
24920	4000	1721	23.9	1751	25.2	1776	26.2	1831	28.7	1883	31.1	1935	33.6	1983	36.0	2031	38.5	2074	40.8	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE **270**

DOUBLE WIDTH
DOUBLE INLET

CENTRIFUGAL FAN TYPE B

WHEEL DIA. 27"

OUTLET AREA 7.55 SQ FT

LIMIT LOAD HP = 7.64 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6795	900	413	0.53	453	0.68	487	0.83	521	1.00	550	1.16	579	1.33	607	1.51	664	1.92	718	2.35	769	2.78
7172	950	425	0.58	466	0.75	499	0.90	532	1.07	562	1.25	589	1.41	616	1.60	670	2.01	723	2.45	774	2.91
7550	1000	438	0.64	480	0.82	512	0.98	543	1.15	574	1.34	601	1.52	626	1.70	677	2.10	729	2.55	778	3.02
7927	1050	451	0.70	492	0.89	526	1.07	555	1.23	585	1.43	612	1.62	638	1.81	686	2.21	736	2.66	784	3.14
8305	1100	464	0.76	505	0.96	539	1.15	567	1.32	596	1.52	624	1.73	650	1.93	696	2.33	743	2.77	789	3.25
9060	1200	491	0.90	530	1.12	565	1.34	595	1.55	620	1.73	647	1.94	672	2.17	720	2.61	762	3.05	804	3.52
9815	1300	519	1.07	556	1.30	591	1.55	621	1.78	648	2.00	671	2.19	695	2.42	743	2.90	785	3.38	824	3.86
10570	1400	548	1.25	583	1.50	616	1.76	647	2.02	674	2.27	699	2.50	720	2.71	764	3.20	808	3.73	847	4.24
11325	1500	578	1.48	609	1.72	642	2.00	672	2.28	700	2.56	725	2.82	748	3.07	788	3.54	830	4.08	870	4.65
12080	1600	610	1.73	638	1.98	669	2.27	698	2.57	726	2.87	751	3.15	774	3.44	815	3.94	854	4.48	892	5.07
12835	1700	640	2.00	667	2.26	695	2.55	723	2.87	751	3.19	777	3.51	800	3.81	842	4.39	877	4.90	915	5.51
13590	1800	671	2.30	696	2.58	723	2.88	750	3.21	777	3.55	801	3.87	826	4.22	869	4.85	906	5.44	938	5.98
14345	1900	705	2.65	728	2.95	752	3.25	776	3.56	802	3.92	828	4.28	851	4.63	895	5.33	932	5.97	966	6.57
15100	2000	738	3.04	759	3.33	780	3.63	805	3.97	830	4.34	853	4.71	877	5.08	920	5.83	959	6.54	993	7.20
15855	2100	771	3.46	789	3.74	811	4.08	834	4.43	855	4.77	880	5.17	903	5.57	945	6.34	984	7.11	1020	7.84
16610	2200	803	3.91	820	4.19	843	4.57	862	4.90	884	5.27	906	5.67	928	6.07	970	6.89	1010	7.72	1046	8.51
17365	2300	835	4.39	854	4.72	873	5.08	891	5.41	913	5.82	932	6.17	955	6.63	997	7.49	1035	8.33	1071	9.17
18120	2400	867	4.89	887	5.29	904	5.62	923	6.01	941	6.38	962	6.79	981	7.20	1022	8.09	1060	8.98	1097	9.89
18875	2500	898	5.43	921	5.90	933	6.19	955	6.64	970	6.98	991	7.43	1009	7.83	1049	8.76	1087	9.71	1122	10.6
19630	2600	932	6.06	953	6.54	967	6.87	985	7.30	1002	7.69	1019	8.09	1038	8.55	1076	9.47	1112	10.4	1147	11.3
21140	2800	1004	7.50	1018	7.93	1034	8.38	1044	8.68	1065	9.21	1080	9.62	1095	10.0	1129	10.9	1166	12.0	1200	13.0
22650	3000	1075	9.15	1080	9.47	1100	10.0	1113	10.4	1125	10.8	1142	11.3	1157	11.8	1188	12.8	1217	13.7	1253	14.9
24160	3200	1146	11.0	1148	11.2	1165	11.8	1179	12.4	1190	12.7	1203	13.2	1219	13.8	1243	14.7	1276	15.8	1305	16.9
25670	3400	1217	13.1	1219	13.4	1228	13.9	1245	14.5	1257	15.0	1266	15.4	1280	15.9	1308	17.0	1333	18.1	1362	19.2

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11325	1500	906	5.20	939	5.73	974	6.33	1042	7.59	1110	8.95	1175	10.3	1239	11.8	1299	13.3	1358	14.8	1415	16.2
12080	1600	929	5.66	963	6.25	993	6.80	1058	8.07	1123	9.46	1187	10.9	1248	12.4	1307	14.0	1364	15.5	1421	17.1
12835	1700	952	6.14	986	6.77	1018	7.40	1078	8.64	1137	9.98	1199	11.4	1259	13.0	1316	14.6	1373	16.3	1427	17.9
13590	1800	974	6.64	1009	7.31	1041	7.98	1100	9.28	1157	10.6	1213	12.1	1271	13.6	1328	15.3	1383	17.0	1436	18.7
14345	1900	998	7.18	1031	7.87	1064	8.58	1124	9.98	1177	11.3	1232	12.8	1286	14.3	1340	16.0	1394	17.7	1447	19.5
15100	2000	1024	7.81	1055	8.47	1086	9.20	1147	10.6	1202	12.1	1252	13.5	1304	15.1	1355	16.8	1407	18.5	1457	20.3
15855	2100	1052	8.52	1080	9.14	1110	9.87	1169	11.4	1225	12.9	1276	14.4	1324	16.0	1373	17.6	1421	19.4	1471	21.2
16610	2200	1078	9.24	1108	9.95	1134	10.5	1192	12.1	1248	13.8	1299	15.4	1346	17.0	1393	18.6	1439	20.3	1485	22.1
17365	2300	1105	10.0	1135	10.7	1163	11.4	1216	12.9	1270	14.6	1322	16.3	1371	18.0	1414	19.6	1459	21.4	1504	23.2
18120	2400	1131	10.7	1162	11.6	1190	12.3	1239	13.8	1293	15.5	1345	17.3	1393	19.1	1439	20.8	1480	22.5	1524	24.4
18875	2500	1156	11.5	1188	12.4	1216	13.3	1268	14.8	1317	16.4	1366	18.2	1416	20.1	1462	22.0	1505	23.8	1544	25.5
19630	2600	1182	12.3	1213	13.2	1243	14.2	1296	15.9	1341	17.5	1391	19.3	1438	21.2	1485	23.2	1528	25.1	1569	27.0
20385	2700	1206	13.1	1239	14.2	1268	15.1	1322	17.0	1370	18.7	1414	20.4	1461	22.4	1507	24.4	1551	26.4	1593	28.4
21140	2800	1232	14.1	1264	15.1	1294	16.1	1349	18.1	1397	20.0	1440	21.6	1485	23.6	1529	25.6	1574	27.7	1618	29.8
21895	2900	1259	15.0	1288	16.0	1320	17.2	1375	19.3	1423	21.2	1468	23.1	1508	24.8	1554	26.9	1595	29.0	1638	31.2
22650	3000	1284	16.0	1315	17.1	1344	18.2	1400	20.4	1451	22.5	1495	24.5	1536	26.3	1577	28.3	1619	30.5	1660	32.6
23405	3100	1310	17.0	1341	18.2	1369	19.3	1426	21.6	1477	23.9	1521	25.9	1564	27.9	1601	29.7	1643	31.9	1683	34.2
24160	3200	1337	18.1	1366	19.3	1396	20.5	1451	22.9	1502	25.2	1549	27.4	1591	29.5	1630	31.5	1666	33.4	1707	35.8
24915	3300	1364	19.2	1392	20.4	1422	21.7	1476	24.1	1528	26.6	1575	29.0	1617	31.1	1657	33.3	1693	35.2	1730	37.4
25670	3400	1389	20.4	1420	21.7	1447	22.9	1501	25.4	1553	28.0	1600	30.5	1644	32.9	1684	35.1	1721	37.2	1755	39.1
26425	3500	1416	21.6	1446	23.0	1474	24.2	1528	26.9	1578	29.5	1626	32.0	1671	34.6	1710	36.9	1749	39.2	---	---
27180	3600	1446	23.0	1472	24.2	1501	25.6	1554	28.3	1602	30.9	1652	33.7	1696	36.3	1738	38.8	1775	41.1	---	---
27935	3700	1475	24.5	1498	25.6	1527	27.1	1579	29.8	1629	32.5	1677	35.3	1721	38.0	1764	40.7	1802	43.2	---	---
28690	3800	1504	25.9	1528	27.2	1553	28.5	1605	31.3	1656	34.2	1701	37.0	1747	39.9	1789	42.6	1829	45.3	---	---
29445	3900	1532	27.4	1558	28.8	1579	30.0	1632	33.0	1681	35.9	1726	38.7	1773	41.7	1814	44.5	1855	47.4	---	---
30200	4000	1560	29.0	1587	30.5	1609	31.7	1659	34.7	1706	37.6	1753	40.6	1797	43.6	1840	46.6	1880	49.4	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 300

WHEEL DIA. 30"
OUTLET AREA 9.27 SQ FT

LIMIT LOAD HP = 12.9 ($\frac{RPM}{1,000}$)³

DOUBLE WIDTH
DOUBLE INLET

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8343	900	371	0.64	406	0.83	437	1.02	467	1.22	494	1.42	520	1.63	545	1.86	597	2.36	646	2.89	692	3.42
8806	950	382	0.71	418	0.91	448	1.10	478	1.31	505	1.53	528	1.73	554	1.97	602	2.46	650	3.01	696	3.57
9270	1000	393	0.78	430	1.00	459	1.19	488	1.41	515	1.64	540	1.86	562	2.08	609	2.58	655	3.13	700	3.71
9733	1050	405	0.85	442	1.09	472	1.30	498	1.51	525	1.75	550	1.99	573	2.22	617	2.71	661	3.27	705	3.86
10197	1100	416	0.93	453	1.18	484	1.41	509	1.62	535	1.86	560	2.12	584	2.36	626	2.86	668	3.41	710	4.00
11124	1200	440	1.10	476	1.37	507	1.64	534	1.89	556	2.11	581	2.38	604	2.66	646	3.20	685	3.74	723	4.33
12051	1300	465	1.30	499	1.59	530	1.89	558	2.18	581	2.44	602	2.67	624	2.97	667	3.56	705	4.14	740	4.73
12978	1400	491	1.53	523	1.84	553	2.15	580	2.47	605	2.78	627	3.06	646	3.31	686	3.92	725	4.57	760	5.20
13905	1500	518	1.80	546	2.10	576	2.45	603	2.79	628	3.13	651	3.45	671	3.75	708	4.34	745	5.01	781	5.69
14832	1600	546	2.11	572	2.42	600	2.77	626	3.14	651	3.50	674	3.86	695	4.20	731	4.82	766	5.49	801	6.21
15759	1700	573	2.43	598	2.76	623	3.12	649	3.51	673	3.89	697	4.29	718	4.67	756	5.37	787	5.99	822	6.75
16686	1800	600	2.79	624	3.14	648	3.51	673	3.92	697	4.34	719	4.73	741	5.15	780	5.94	813	6.65	843	7.33
17613	1900	631	3.23	652	3.59	674	3.96	696	4.36	720	4.79	743	5.23	763	5.66	803	6.52	836	7.30	867	8.04
18540	2000	661	3.70	680	4.06	699	4.42	721	4.84	744	5.30	765	5.75	786	6.21	826	7.12	861	8.00	891	8.80
19467	2100	690	4.21	707	4.56	727	4.96	748	5.40	767	5.82	789	6.32	810	6.80	848	7.76	883	8.69	915	9.59
20394	2200	720	4.76	734	5.10	755	5.56	773	5.97	792	6.43	813	6.92	832	7.41	870	8.41	907	9.43	939	10.4
21321	2300	748	5.34	765	5.75	783	6.20	798	6.59	819	7.10	836	7.53	857	8.10	894	9.15	929	10.1	961	11.2
22248	2400	776	5.96	795	6.44	810	6.85	827	7.32	844	7.78	862	8.28	880	8.79	917	9.89	951	10.9	985	12.1
23175	2500	804	6.61	824	7.18	836	7.54	855	8.09	869	8.50	888	9.07	904	9.54	941	10.7	975	11.8	1007	12.9
24102	2600	835	7.36	854	7.96	866	8.36	883	8.89	898	9.37	914	9.87	931	10.4	965	11.5	998	12.7	1029	13.9
25956	2800	898	9.11	912	9.66	926	10.1	936	10.5	954	11.2	967	11.7	982	12.2	1012	13.3	1045	14.7	1076	15.9
27810	3000	962	11.1	968	11.5	985	12.2	996	12.7	1008	13.2	1024	13.8	1036	14.3	1065	15.6	1092	16.7	1123	18.2
29664	3200	1026	13.4	1033	13.7	1043	14.4	1056	15.1	1065	15.5	1078	16.1	1092	16.8	1115	17.9	1144	19.3	1170	20.6
31518	3400	1089	15.9	1091	16.3	1100	16.9	1115	17.7	1126	18.3	1133	18.7	1147	19.4	1172	20.8	1195	22.0	1221	23.5

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13905	1500	813	6.37	844	7.03	875	7.76	937	9.32	998	11.0	1057	12.7	1114	14.5	1169	16.3	1222	18.2	1273	19.9
14832	1600	834	6.93	865	7.66	892	8.34	950	9.89	1009	11.6	1067	13.4	1122	15.2	1176	17.2	1227	19.1	1278	21.0
15759	1700	855	7.53	885	8.29	914	9.06	969	10.6	1022	12.2	1078	14.1	1132	16.0	1184	17.9	1235	20.0	1283	22.0
16686	1800	875	8.13	906	8.96	935	9.77	988	11.3	1040	13.0	1091	14.8	1143	16.8	1194	18.8	1243	20.9	1292	23.0
17613	1900	896	8.79	926	9.63	955	10.5	1010	12.2	1057	13.8	1107	15.7	1156	17.6	1205	19.7	1254	21.8	1301	24.0
18540	2000	919	9.54	947	10.3	975	11.2	1030	13.1	1080	14.9	1125	16.6	1172	18.6	1218	20.6	1265	22.8	1311	25.0
19467	2100	944	10.4	969	11.1	997	12.0	1050	13.9	1100	15.8	1146	17.7	1189	19.6	1233	21.7	1278	23.8	1322	26.1
20394	2200	967	11.2	994	12.1	1018	12.9	1070	14.8	1121	16.9	1167	18.9	1209	20.8	1251	22.8	1293	25.0	1335	27.2
21321	2300	992	12.2	1018	13.1	1043	14.0	1092	15.8	1140	17.9	1188	20.0	1231	22.1	1270	24.1	1311	26.3	1351	28.5
22248	2400	1015	13.1	1042	14.1	1068	15.1	1112	16.8	1161	19.0	1208	21.2	1251	23.4	1292	25.5	1329	27.6	1369	29.9
23175	2500	1037	14.1	1066	15.2	1091	16.2	1138	18.2	1182	20.2	1227	22.3	1272	24.7	1313	26.9	1352	29.2	1387	31.3
24102	2600	1060	15.1	1088	16.2	1115	17.4	1163	19.5	1203	21.3	1249	23.7	1291	26.0	1334	28.4	1373	30.8	1409	33.1
25029	2700	1082	16.1	1112	17.3	1138	18.5	1186	20.8	1229	22.9	1270	25.0	1312	27.4	1354	29.9	1393	32.3	1430	34.8
25956	2800	1105	17.2	1134	18.5	1161	19.7	1210	22.2	1254	24.4	1292	26.4	1334	28.9	1373	31.3	1413	34.0	1451	36.5
26883	2900	1129	18.4	1156	19.6	1184	21.0	1234	23.6	1277	25.9	1317	28.2	1354	30.4	1395	33.0	1432	35.5	1471	38.3
27810	3000	1152	19.6	1180	20.9	1206	22.3	1256	25.0	1302	27.6	1342	30.0	1378	32.2	1416	34.6	1454	37.3	1491	40.0
28737	3100	1174	20.8	1203	22.3	1228	23.6	1279	26.5	1325	29.2	1365	31.7	1403	34.1	1436	36.3	1475	39.1	1511	41.9
29664	3200	1199	22.1	1226	23.6	1252	25.1	1302	28.0	1348	30.8	1390	33.6	1428	36.1	1462	38.5	1496	40.9	1533	43.9
30591	3300	1223	23.5	1249	25.0	1276	26.5	1324	29.5	1370	32.5	1413	35.4	1451	38.1	1487	40.7	1519	43.1	1554	45.8
31518	3400	1246	24.9	1273	26.5	1298	28.0	1346	31.1	1394	34.3	1436	37.3	1475	40.2	1511	42.9	1545	45.5	1574	47.8
32445	3500	1269	26.3	1297	28.1	1322	29.6	1371	32.9	1416	36.1	1458	39.1	1499	42.3	1535	45.1	1569	47.9	---	---
33372	3600	1296	28.1	1320	29.6	1346	31.3	1394	34.6	1438	37.8	1482	41.2	1522	44.4	1559	47.4	1593	50.3	---	---
34299	3700	1323	29.8	1343	31.2	1370	33.1	1417	36.4	1461	39.8	1505	43.2	1544	46.4	1583	49.8	1617	52.8	---	---
35226	3800	1348	31.7	1370	33.1	1393	34.8	1439	38.2	1485	41.8	1527	45.2	1568	48.7	1605	52.1	1641	55.4	---	---
36153	3900	1374	33.5	1396	35.1	1415	36.5	1464	40.3	1508	43.9	1548	47.4	1591	51.0	1627	54.4	1664	57.9	---	---
37080	4000	1398	35.3	1422	37.2	1442	38.7	1488	42.4	1531	46.0	1573	49.6	1613	53.3	1651	56.9	1687	60.5	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE 330

DOUBLE WIDTH
DOUBLE INLET

CENTRIFUGAL FAN TYPE **B**

WHEEL DIA. 33"

OUTLET AREA 11.27 SQ FT

LIMIT LOAD HP = 20.8 $\left(\frac{\text{RPM}}{1,000}\right)^3$

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10143	900	338	0.79	370	1.01	398	1.24	426	1.49	450	1.73	473	1.99	496	2.26	543	2.86	588	3.50	629	4.16
10706	950	348	0.86	381	1.11	408	1.34	435	1.60	460	1.86	481	2.11	504	2.39	548	2.99	592	3.65	633	4.34
11270	1000	358	0.95	392	1.22	419	1.46	444	1.72	469	1.99	492	2.27	512	2.53	554	3.14	596	3.80	637	4.51
11833	1050	369	1.04	403	1.33	430	1.59	454	1.84	478	2.13	501	2.42	522	2.70	562	3.30	602	3.97	641	4.69
12397	1100	380	1.13	413	1.44	441	1.72	464	1.97	488	2.27	510	2.58	531	2.88	570	3.48	608	4.14	646	4.86
13524	1200	401	1.34	434	1.67	462	2.01	486	2.31	507	2.58	529	2.90	550	3.23	589	3.89	623	4.55	658	5.26
14651	1300	425	1.59	455	1.94	483	2.31	508	2.66	530	2.98	548	3.26	569	3.61	607	4.33	642	5.04	674	5.75
15778	1400	448	1.87	477	2.24	504	2.63	529	3.02	552	3.39	571	3.73	589	4.04	625	4.78	661	5.56	692	6.33
16905	1500	473	2.20	498	2.56	525	2.99	550	3.40	572	3.81	593	4.21	611	4.58	645	5.28	679	6.10	711	6.93
18032	1600	498	2.58	522	2.96	547	3.39	571	3.83	593	4.27	614	4.71	633	5.13	666	5.88	698	6.69	730	7.56
19159	1700	523	2.98	545	3.38	568	3.81	592	4.28	614	4.75	635	5.24	654	5.69	689	6.55	717	7.31	749	8.23
20286	1800	548	3.42	569	3.85	591	4.30	614	4.79	635	5.29	655	5.77	675	6.29	711	7.24	741	8.11	768	8.92
21413	1900	576	3.96	595	4.39	615	4.84	635	5.32	656	5.85	677	6.39	696	6.90	732	7.95	762	8.91	790	9.81
22540	2000	603	4.53	621	4.97	638	5.41	658	5.92	678	6.47	698	7.02	717	7.58	753	8.69	784	9.76	812	10.7
23667	2100	630	5.16	645	5.58	663	6.08	682	6.60	699	7.11	720	7.72	738	8.30	773	9.46	805	10.6	834	11.7
24794	2200	657	5.83	670	6.25	689	6.81	705	7.30	723	7.86	741	8.45	759	9.05	794	10.2	826	11.5	856	12.6
25921	2300	683	6.54	698	7.04	714	7.58	729	8.07	747	8.68	762	9.20	781	9.89	815	11.1	847	12.4	876	13.6
27048	2400	709	7.29	726	7.89	739	8.39	755	8.96	770	9.51	787	10.1	803	10.7	836	12.0	867	13.4	897	14.7
28175	2500	734	8.09	753	8.79	763	9.22	781	9.90	793	10.4	810	11.0	825	11.6	858	13.0	889	14.4	918	15.8
29302	2600	762	9.03	780	9.75	791	10.2	806	10.8	819	11.4	833	12.0	849	12.7	880	14.1	910	15.5	938	16.9
31556	2800	821	11.1	832	11.8	846	12.4	854	12.9	871	13.7	883	14.3	895	14.9	924	16.3	953	17.9	981	19.5
33810	3000	879	13.6	883	14.1	900	14.9	910	15.5	920	16.1	934	16.9	946	17.6	971	19.0	995	20.4	1024	22.2
36064	3200	937	16.4	938	16.8	952	17.7	964	18.5	973	19.0	983	19.7	997	20.6	1017	21.9	1044	23.6	1067	25.2
38318	3400	995	19.6	997	20.0	1004	20.7	1018	21.7	1028	22.4	1035	22.9	1046	23.8	1069	25.4	1090	27.0	1114	28.7

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
16905	1500	741	7.75	768	8.55	797	9.45	853	11.3	908	13.3	962	15.4	1013	17.6	1063	19.8	1111	22.1	1158	24.2
18032	1600	760	8.44	788	9.32	812	10.1	865	12.0	919	14.1	971	16.3	1021	18.5	1070	20.9	1116	23.2	1162	25.6
19159	1700	778	9.16	806	10.1	833	11.0	882	12.9	930	14.9	981	17.1	1030	19.4	1077	21.8	1123	24.3	1167	26.8
20286	1800	797	9.91	825	10.9	852	11.9	900	13.8	947	15.9	993	18.0	1040	20.4	1086	22.9	1131	25.4	1175	28.0
21413	1900	816	10.7	843	11.7	870	12.8	920	14.9	963	16.8	1008	19.1	1052	21.4	1096	23.9	1140	26.5	1183	29.2
22540	2000	837	11.6	863	12.6	888	13.7	938	15.9	983	18.1	1024	20.2	1067	22.6	1108	25.1	1151	27.7	1192	30.4
23667	2100	860	12.7	883	13.6	908	14.7	956	17.0	1002	19.3	1044	21.6	1083	23.9	1123	26.4	1163	28.9	1203	31.7
24794	2200	882	13.7	906	14.8	928	15.7	975	18.1	1021	20.6	1063	23.0	1101	25.3	1139	27.8	1177	30.4	1215	33.1
25921	2300	904	14.9	928	16.0	951	17.1	994	19.3	1038	21.8	1082	24.4	1121	26.9	1157	29.3	1194	31.9	1230	34.7
27048	2400	925	16.0	950	17.3	973	18.4	1014	20.6	1058	23.2	1100	25.8	1140	28.5	1177	31.1	1211	33.6	1248	36.4
28175	2500	946	17.2	971	18.5	995	19.8	1037	22.2	1077	24.6	1118	27.2	1159	30.1	1196	32.8	1231	35.6	1269	38.1
29302	2600	967	18.4	992	19.8	1017	21.2	1060	23.8	1097	26.1	1138	28.9	1176	31.7	1215	34.6	1250	37.5	1284	40.3
30429	2700	986	19.6	1013	21.2	1037	22.6	1081	25.4	1120	27.9	1157	30.5	1195	33.4	1233	36.4	1269	39.4	1308	42.4
31556	2800	1008	21.0	1034	22.6	1058	24.1	1103	27.1	1143	29.8	1177	32.3	1215	35.2	1251	38.2	1287	41.4	1322	44.5
32683	2900	1029	22.4	1053	23.9	1079	25.6	1124	28.8	1164	31.7	1201	34.4	1233	37.0	1271	40.2	1305	43.3	1340	46.8
33810	3000	1050	23.9	1075	25.6	1099	27.2	1145	30.5	1186	33.6	1223	36.6	1256	39.3	1290	42.2	1324	45.5	1358	48.7
34937	3100	1071	25.4	1097	27.2	1120	28.8	1166	32.3	1208	35.6	1244	38.7	1279	41.7	1309	44.3	1344	47.7	1377	51.0
36064	3200	1093	27.0	1117	28.8	1142	30.6	1187	34.2	1228	37.6	1267	41.0	1301	44.1	1333	47.0	1362	49.9	1396	53.4
37191	3300	1115	28.7	1139	30.5	1163	32.4	1207	36.0	1249	39.7	1288	43.2	1322	46.5	1355	49.7	1385	52.6	1415	55.8
38318	3400	1136	30.4	1161	32.4	1183	34.2	1228	38.0	1270	41.8	1309	45.5	1345	49.0	1377	52.3	1408	55.5	1435	58.4
39445	3500	1158	32.2	1183	34.3	1205	36.2	1250	40.1	1291	44.0	1329	47.8	1366	51.6	1399	55.0	1430	58.5	---	---
40572	3600	1182	34.3	1204	36.2	1227	38.3	1271	42.3	1310	46.1	1351	50.3	1397	54.1	1421	57.9	1452	61.4	---	---
41699	3700	1206	36.5	1225	38.2	1249	40.4	1291	44.5	1332	48.6	1372	52.7	1407	56.7	1443	60.7	1474	64.4	---	---
42826	3800	1230	38.7	1250	40.5	1270	42.5	1312	46.7	1354	51.1	1391	55.2	1429	59.5	1463	63.5	1496	67.6	---	---
43953	3900	1253	40.9	1274	43.0	1291	44.7	1335	49.2	1375	53.6	1412	57.8	1450	62.3	1484	66.4	1517	70.7	---	---
45080	4000	1275	43.2	1297	45.4	1316	47.3	1357	51.8	1396	56.1	1434	60.6	1470	65.0	1505	69.5	1538	73.8	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE **B**

SIZE 365
DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 36 1/2"

OUTLET AREA 13.79 SQ FT

LIMIT LOAD HP = 32.6 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
12411	900	302	0.89	330	1.14	357	1.43	381	1.70	402	1.97	426	2.27	450	2.61	501	3.33	547	4.01	586	4.63
13100	950	312	0.98	340	1.25	366	1.54	389	1.84	410	2.11	431	2.41	454	2.73	502	3.48	548	4.23	590	4.93
13790	1000	322	1.08	350	1.37	374	1.66	398	1.97	419	2.28	439	2.57	459	2.88	503	3.62	549	4.43	592	5.19
14479	1050	332	1.19	359	1.49	383	1.79	407	2.12	428	2.45	448	2.76	466	3.07	506	3.77	550	4.61	593	5.44
15169	1100	343	1.31	369	1.62	393	1.93	415	2.26	437	2.61	457	2.95	474	3.27	511	3.96	552	4.78	594	5.67
16548	1200	364	1.57	389	1.91	412	2.25	433	2.59	454	2.95	473	3.33	492	3.71	525	4.41	559	5.18	596	6.07
17927	1300	385	1.86	410	2.24	432	2.61	453	2.98	472	3.35	491	3.73	509	4.15	543	4.95	573	5.72	604	6.55
19306	1400	408	2.21	430	2.60	452	3.00	473	3.40	492	3.80	509	4.20	526	4.61	560	5.51	591	6.36	618	7.18
20685	1500	431	2.60	452	3.02	473	3.44	492	3.87	511	4.29	529	4.72	545	5.15	578	6.07	608	7.02	636	7.92
22064	1600	455	3.03	473	3.46	494	3.92	513	4.37	530	4.83	548	5.28	564	5.74	595	6.67	625	7.68	653	8.69
23443	1700	479	3.54	497	3.99	515	4.46	534	4.94	551	5.42	568	5.91	584	6.38	613	7.34	642	8.36	670	9.45
24822	1800	504	4.09	520	4.55	537	5.04	554	5.55	571	6.05	588	6.58	604	7.10	633	8.12	661	9.16	688	10.2
26201	1900	527	4.68	542	5.15	559	5.68	576	6.23	592	6.77	608	7.28	623	7.85	652	8.91	679	9.99	706	11.1
27580	2000	551	5.33	567	5.87	582	6.41	597	6.96	613	7.51	629	8.09	644	8.65	672	9.81	699	10.9	724	12.0
28959	2100	578	6.12	592	6.65	605	7.17	619	7.73	635	8.35	650	8.94	664	9.51	692	10.7	719	11.9	743	13.1
30338	2200	604	6.97	616	7.47	627	7.98	643	8.63	656	9.22	671	9.85	685	10.4	712	11.7	738	12.9	763	14.2
31717	2300	630	7.89	639	8.35	652	8.95	666	9.56	678	10.1	693	10.8	706	11.4	732	12.7	758	14.0	783	15.4
33096	2400	655	8.88	662	9.26	677	9.97	688	10.5	702	11.2	714	11.8	728	12.5	754	13.9	778	15.2	802	16.6
34475	2500	681	9.95	688	10.3	701	11.0	711	11.6	725	12.3	736	12.9	749	13.7	775	15.1	798	16.4	822	17.9
35854	2600	706	11.0	715	11.5	725	12.1	736	12.8	747	13.5	760	14.2	770	14.9	795	16.4	819	17.8	842	19.3
38612	2800	756	13.5	767	14.2	772	14.6	785	15.5	795	16.1	805	16.9	817	17.7	839	19.2	861	20.8	883	22.3
41370	3000	805	16.3	818	17.2	825	17.8	833	18.4	844	19.2	852	19.9	862	20.7	883	22.4	905	24.1	925	25.8
44128	3200	854	19.5	869	20.6	877	21.3	882	21.7	892	22.6	902	23.5	909	24.2	929	26.0	947	27.6	968	29.6
46886	3400	907	23.3	919	24.3	928	25.2	934	25.8	938	26.3	950	27.4	959	28.3	974	29.9	994	31.9	1011	33.6

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
20685	1500	662	8.79	688	9.72	717	10.7	778	13.1	839	15.5	894	17.8	944	19.9	989	21.9	1031	23.7	1068	25.5
22064	1600	679	9.64	703	10.5	728	11.5	782	13.8	840	16.3	896	18.9	948	21.3	996	23.7	1040	25.8	1080	27.9
23443	1700	697	10.5	721	11.5	743	12.5	791	14.8	843	17.1	898	19.2	951	22.6	1000	25.2	1046	27.7	1088	30.0
24822	1800	713	11.4	738	12.5	761	13.6	805	15.7	851	18.1	901	20.8	952	23.7	1002	26.6	1049	29.3	1093	32.0
26201	1900	731	12.3	755	13.5	779	14.6	821	16.9	863	19.2	908	21.8	955	24.7	1004	27.8	1052	30.8	1097	33.8
27580	2000	748	13.2	773	14.5	796	15.8	839	18.2	877	20.5	917	23.0	961	25.8	1007	28.9	1053	32.2	1099	35.4
28959	2100	767	14.3	790	15.5	813	16.9	856	19.5	895	22.0	933	24.5	971	27.1	1012	30.1	1056	33.4	1100	36.8
30338	2200	786	15.4	808	16.7	830	18.0	873	20.8	913	23.5	949	26.1	985	28.8	1022	31.6	1062	34.7	1103	38.2
31717	2300	805	16.7	826	17.9	849	19.3	891	22.2	930	25.1	967	27.9	1000	30.5	1036	33.4	1071	36.4	1109	39.8
33096	2400	825	17.9	847	19.3	867	20.7	908	23.6	947	26.6	985	29.6	1019	32.5	1050	35.2	1084	38.3	1119	41.4
34475	2500	845	19.4	866	20.7	886	22.2	926	25.1	965	28.2	1002	31.4	1036	34.4	1068	37.4	1099	40.3	1131	43.5
35854	2600	864	20.8	886	22.3	906	23.8	944	26.7	982	29.8	1018	33.2	1054	36.5	1088	39.6	1118	42.6	1148	45.7
37233	2700	884	22.4	905	23.9	925	25.4	963	28.5	1000	31.7	1036	35.0	1070	38.4	1104	41.8	1135	45.0	1163	48.1
38612	2800	905	24.0	925	25.5	945	27.2	983	30.3	1018	33.5	1053	36.8	1088	40.5	1121	44.0	1152	47.5	1181	50.8
39991	2900	924	25.6	945	27.3	965	29.0	1002	32.2	1037	35.5	1072	39.0	1105	42.5	1137	46.2	1169	49.9	1199	53.4
41370	3000	946	27.4	965	29.1	985	30.9	1022	34.3	1057	37.7	1090	41.1	1122	44.7	1155	48.5	1186	52.3	1216	56.1
42749	3100	967	29.4	985	31.0	1005	32.9	1042	36.5	1076	39.9	1109	43.4	1141	47.1	1172	50.8	1203	54.8	1233	58.7
44128	3200	987	31.3	1007	33.1	1025	34.9	1061	38.6	1096	42.2	1129	45.9	1159	49.5	1190	53.3	1221	57.3	1250	61.4
45507	3300	1008	33.4	1028	35.3	1046	37.1	1082	40.9	1116	44.7	1148	48.4	1178	52.1	1209	56.1	1238	59.9	1268	64.2
46886	3400	1031	35.7	1048	37.5	1067	39.5	1102	43.3	1135	47.2	1167	51.0	1198	55.0	1227	58.7	1257	62.9	1285	66.9
48265	3500	1052	38.0	1069	39.9	1088	41.9	1122	45.7	1155	49.8	1188	53.9	1218	57.8	1247	61.8	1275	65.8	—	—
49644	3600	1073	40.3	1092	42.4	1108	44.4	1142	48.3	1176	52.6	1207	56.7	1237	60.7	1266	64.9	1293	68.8	—	—
51023	3700	1094	42.7	1113	45.0	1130	47.0	1164	51.2	1196	55.4	1226	59.6	1257	63.9	1285	68.0	1313	72.3	—	—
52402	3800	1118	45.4	1135	47.6	1152	49.8	1185	54.1	1215	58.2	1247	62.7	1277	67.1	1305	71.3	1333	75.7	—	—
53781	3900	1141	48.3	1155	50.3	1174	52.7	1205	57.1	1236	61.3	1267	65.9	1296	70.3	1325	74.8	1352	79.1	—	—
55160	4000	1164	51.3	1178	53.2	1195	55.6	1226	60.0	1258	64.7	1287	69.1	1316	73.8	1345	78.4	1372	82.8	—	—

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE 402

**DOUBLE WIDTH
DOUBLE INLET**

CENTRIFUGAL FAN TYPE B

WHEEL DIA. 40 1/4"

OUTLET AREA 16.78 SQ FT

LIMIT LOAD HP = 53.0 (RPM/1000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
15102	900	274	1.08	300	1.39	324	1.73	345	2.07	365	2.40	386	2.76	408	3.17	455	4.05	496	4.87	532	5.63
15941	950	283	1.19	308	1.52	332	1.87	353	2.24	372	2.57	391	2.93	412	3.33	456	4.23	497	5.14	535	6.00
16780	1000	292	1.32	317	1.66	339	2.02	361	2.40	380	2.78	398	3.13	416	3.51	457	4.41	498	5.39	536	6.32
17619	1050	301	1.45	326	1.81	348	2.18	369	2.58	388	2.98	406	3.36	423	3.74	459	4.59	499	5.60	537	6.62
18458	1100	311	1.60	335	1.98	356	2.35	376	2.75	396	3.18	414	3.59	430	3.98	463	4.82	500	5.81	538	6.89
20136	1200	330	1.91	353	2.33	374	2.74	393	3.15	412	3.59	429	4.06	447	4.52	476	5.37	507	6.30	541	7.38
21814	1300	349	2.27	372	2.72	392	3.17	411	3.62	428	4.07	445	4.54	462	5.05	493	6.03	520	6.96	548	7.97
23492	1400	371	2.70	390	3.17	410	3.65	429	4.14	446	4.62	462	5.11	478	5.61	508	6.70	536	7.74	561	8.73
25170	1500	391	3.16	410	3.68	429	4.18	447	4.71	464	5.23	480	5.75	494	6.26	524	7.39	552	8.54	577	9.64
26848	1600	413	3.70	429	4.21	448	4.78	465	5.32	481	5.88	497	6.43	512	6.99	540	8.12	567	9.35	593	10.5
28526	1700	435	4.31	451	4.86	467	5.44	484	6.02	500	6.60	515	7.20	530	7.77	556	8.94	583	10.1	608	11.5
30204	1800	457	4.98	471	5.54	487	6.14	503	6.76	518	7.36	533	8.01	548	8.64	574	9.88	599	11.1	624	12.4
31882	1900	478	5.69	492	6.27	507	6.92	523	7.59	537	8.24	551	8.87	566	9.55	592	10.8	616	12.1	640	13.5
33560	2000	500	6.49	514	7.15	528	7.81	542	8.47	556	9.14	571	9.85	584	10.5	610	11.9	634	13.3	656	14.6
35238	2100	524	7.45	537	8.10	549	8.74	562	9.42	576	10.1	589	10.8	602	11.5	628	13.0	652	14.5	674	15.9
36916	2200	548	8.49	559	9.10	569	9.73	583	10.5	595	11.2	609	12.0	622	12.7	646	14.2	670	15.8	692	17.2
38594	2300	571	9.61	580	10.1	592	10.9	604	11.6	615	12.3	628	13.2	640	13.9	664	15.5	688	17.1	710	18.7
40272	2400	595	10.8	601	11.2	614	12.1	624	12.8	637	13.6	648	14.4	660	15.3	684	16.9	706	18.6	728	20.2
41950	2500	618	12.1	625	12.6	636	13.4	646	14.1	657	15.0	668	15.8	680	16.7	703	18.4	724	20.0	746	21.8
43628	2600	641	13.5	648	14.1	658	14.8	668	15.6	678	16.4	689	17.3	699	18.1	721	19.9	743	21.7	764	23.5
46984	2800	686	16.5	696	17.3	701	17.8	712	18.9	721	19.7	730	20.5	741	21.5	761	23.4	781	25.3	801	27.2
50340	3000	731	19.9	742	21.0	748	21.6	755	22.4	766	23.4	773	24.3	782	25.2	801	27.2	821	29.4	839	31.4
53696	3200	775	23.7	788	25.1	795	25.9	800	26.5	809	27.6	818	28.6	825	29.5	843	31.7	859	33.6	878	36.0
57052	3400	823	28.4	834	29.7	842	30.7	847	31.4	851	32.0	862	33.4	870	34.5	884	36.4	901	38.8	917	41.0

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
25170	1500	600	10.7	624	11.8	651	13.1	705	15.9	760	18.9	811	21.6	856	24.3	897	26.7	935	28.9	969	31.0
26848	1600	616	11.7	638	12.8	661	14.0	709	16.7	762	19.9	813	23.0	860	25.9	903	28.8	943	31.5	979	33.9
28526	1700	632	12.8	654	14.0	674	15.2	718	17.8	765	20.9	814	24.2	862	27.5	907	30.6	948	33.7	987	36.6
30204	1800	647	13.8	670	15.2	691	16.5	730	19.1	772	22.0	817	25.3	863	28.8	909	32.3	952	35.7	992	39.0
31882	1900	663	14.9	685	16.4	706	17.8	744	20.5	783	23.4	823	26.6	866	30.1	910	33.8	954	37.5	994	41.1
33560	2000	679	16.1	701	17.6	722	19.2	761	22.2	796	25.0	832	28.0	872	31.5	913	35.2	955	39.1	996	43.0
35238	2100	696	17.4	716	18.9	738	20.6	777	23.8	812	26.8	846	29.8	880	33.0	918	36.7	958	40.7	997	44.8
36916	2200	713	18.8	733	20.4	753	21.9	792	25.4	828	28.7	861	31.8	894	35.1	927	38.5	963	42.3	1000	46.5
38594	2300	731	20.3	750	21.8	770	23.5	808	27.0	844	30.6	877	33.9	907	37.1	939	40.6	971	44.3	1008	48.2
40272	2400	748	21.9	768	23.6	786	25.2	823	28.7	859	32.4	893	36.1	924	39.6	953	42.9	983	46.6	1014	50.4
41950	2500	766	23.6	785	25.3	804	27.0	840	30.6	875	34.4	909	38.2	940	41.9	969	45.5	997	49.1	1026	52.9
43628	2600	784	25.3	803	27.2	822	28.9	857	32.5	890	36.3	924	40.4	956	44.4	985	48.2	1013	51.9	1040	55.6
45306	2700	802	27.2	821	29.1	839	30.9	874	34.7	907	38.5	940	42.6	971	46.8	1001	50.9	1029	54.8	1055	58.8
46984	2800	821	29.2	839	31.1	858	33.1	892	36.9	924	40.8	955	44.8	987	49.3	1017	53.6	1045	57.8	1072	61.9
48662	2900	838	31.1	858	33.3	875	35.3	909	39.2	941	43.3	972	47.5	1002	51.8	1032	56.3	1061	60.8	1087	65.0
50340	3000	858	33.4	876	35.5	893	37.6	927	41.8	959	45.9	989	50.1	1018	54.4	1048	59.1	1075	63.7	1103	68.3
52018	3100	877	35.8	894	37.7	912	40.0	945	44.4	976	48.6	1006	52.9	1035	57.4	1063	61.8	1092	66.7	1118	71.5
53696	3200	896	38.2	913	40.4	930	42.5	962	47.0	994	51.4	1024	55.9	1052	60.3	1080	64.9	1107	69.8	1134	74.8
55374	3300	915	40.7	933	43.0	949	45.2	981	49.9	1012	54.5	1041	58.9	1069	63.5	1097	68.2	1123	72.9	1150	78.1
57052	3400	935	43.4	951	45.7	968	48.1	1000	52.8	1030	57.5	1059	62.1	1087	66.9	1113	71.5	1140	76.5	1165	81.4
58730	3500	955	46.2	970	48.6	987	51.0	1018	55.7	1048	60.7	1077	65.6	1105	70.3	1131	75.2	1157	80.1	---	---
60408	3600	974	49.1	990	51.7	1006	54.0	1036	58.9	1067	64.1	1095	69.1	1122	73.9	1149	79.0	1173	83.8	---	---
62086	3700	993	52.0	1010	54.8	1025	57.3	1056	62.4	1085	67.5	1112	72.5	1141	77.8	1166	82.8	1191	88.0	---	---
63764	3800	1014	55.3	1029	58.0	1045	60.7	1075	65.9	1103	70.9	1131	76.4	1158	81.7	1184	86.8	1209	92.2	---	---
65442	3900	1035	58.8	1048	61.2	1065	64.2	1094	69.5	1121	74.6	1150	80.3	1176	85.6	1202	91.1	1226	96.3	---	---
67120	4000	1056	62.4	1069	64.9	1084	67.7	1112	73.1	1141	78.7	1168	84.2	1194	89.8	1220	95.5	1244	100	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 445
DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 44 1/2"

OUTLET AREA 20.49 SQ FT

LIMIT LOAD HP = 87.7 (RPM / 1,000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
18441	900	247	1.32	271	1.70	293	2.12	312	2.52	330	2.92	349	3.37	369	3.87	411	4.94	448	5.95	481	6.88
19465	950	256	1.46	279	1.86	300	2.29	319	2.73	337	3.14	354	3.58	372	4.06	412	5.17	450	6.28	484	7.32
20490	1000	264	1.61	287	2.03	307	2.46	326	2.93	344	3.39	360	3.82	376	4.28	413	5.38	451	6.58	485	7.71
21514	1050	272	1.77	295	2.21	314	2.66	333	3.14	351	3.63	367	4.10	382	4.56	415	5.61	452	6.84	486	8.09
22539	1100	281	1.95	303	2.41	322	2.87	340	3.35	358	3.88	374	4.38	389	4.86	419	5.88	454	7.10	487	8.42
24588	1200	298	2.34	319	2.84	338	3.34	355	3.85	372	4.38	388	4.95	404	5.51	431	6.55	459	7.70	489	9.02
26637	1300	316	2.77	336	3.32	354	3.87	371	4.42	387	4.97	403	5.54	418	6.17	445	7.36	470	8.49	496	9.73
28686	1400	335	3.29	353	3.86	371	4.46	388	5.06	403	5.64	418	6.24	432	6.84	460	8.18	484	9.44	507	10.6
30735	1500	353	3.85	371	4.48	388	5.10	404	5.74	419	6.38	433	7.01	447	7.65	474	9.02	499	10.4	521	11.7
32784	1600	373	4.51	388	5.14	405	5.83	420	6.49	435	7.17	449	7.85	463	8.53	488	9.91	513	11.4	536	12.9
34833	1700	393	5.26	407	5.92	423	6.63	438	7.34	452	8.06	466	8.78	479	9.48	503	10.9	527	12.4	549	14.0
36882	1800	413	6.07	426	6.76	440	7.49	454	8.25	468	8.98	482	9.78	495	10.5	519	12.0	542	13.6	564	15.2
38931	1900	432	6.94	444	7.65	458	8.44	472	9.26	486	10.0	498	10.8	511	11.6	535	13.2	557	14.8	579	16.5
40980	2000	452	7.92	465	8.72	477	9.52	490	10.3	502	11.1	516	12.0	528	12.8	551	14.5	573	16.2	593	17.9
43029	2100	474	9.08	485	9.87	496	10.6	508	11.4	521	12.4	533	13.2	545	14.1	567	15.9	589	17.7	610	19.4
45078	2200	495	10.3	505	11.1	514	11.8	527	12.8	538	13.7	550	14.6	562	15.5	584	17.4	606	19.2	625	21.1
47127	2300	516	11.7	524	12.3	535	13.2	546	14.2	556	15.0	568	16.1	579	17.0	600	18.9	621	20.9	642	22.9
49176	2400	537	13.1	543	13.7	555	14.8	564	15.6	575	16.5	585	17.6	597	18.6	618	20.6	638	22.7	658	24.7
51225	2500	558	14.7	564	15.4	575	16.4	583	17.2	594	18.3	604	19.3	615	20.3	635	22.4	654	24.5	674	26.7
53274	2600	579	16.4	586	17.2	595	18.1	604	19.1	613	20.0	623	21.1	632	22.1	652	24.3	672	26.5	691	28.7
57372	2800	620	20.1	629	21.1	633	21.7	644	23.0	652	24.0	660	25.1	670	26.3	688	28.6	706	30.9	724	33.2
61470	3000	660	24.3	671	25.6	676	26.4	683	27.3	692	28.6	699	29.6	707	30.8	724	33.2	742	35.8	758	38.3
65568	3200	700	28.9	712	30.6	719	31.6	723	32.3	731	33.6	739	34.9	746	36.0	762	38.6	776	41.0	794	43.9
69666	3400	744	34.7	753	36.2	761	37.5	766	38.3	769	39.0	779	40.7	786	42.0	799	44.4	815	47.3	829	50.0

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
30735	1500	543	13.0	564	14.4	588	16.0	638	19.5	688	23.0	733	26.4	775	29.6	811	32.6	846	35.3	876	37.9
32784	1600	557	14.3	577	15.7	597	17.1	641	20.5	689	24.3	735	28.1	778	31.7	817	35.2	853	38.4	886	41.4
34833	1700	571	15.6	591	17.1	609	18.5	649	21.8	692	25.5	736	29.6	780	33.6	820	37.4	858	41.2	893	44.7
36882	1800	585	16.9	606	18.6	624	20.2	660	23.3	698	26.9	739	30.9	781	35.2	822	39.5	861	43.6	897	47.6
38931	1900	600	18.2	619	20.0	639	21.8	673	25.1	708	28.6	744	32.4	783	36.8	823	41.3	863	45.8	899	50.2
40980	2000	614	19.6	634	21.5	653	23.4	688	27.1	720	30.5	752	34.2	788	38.4	826	43.0	864	47.8	901	52.6
43029	2100	629	21.2	648	23.0	667	25.1	702	29.0	734	32.7	765	36.4	796	40.4	830	44.8	866	49.7	902	54.7
45078	2200	644	22.9	663	24.9	681	26.8	716	31.0	749	35.0	778	38.8	808	42.8	838	47.0	871	51.6	905	56.8
47127	2300	660	24.8	678	26.7	696	28.7	730	33.0	763	37.3	793	41.4	820	45.3	849	49.6	879	54.1	910	58.9
49176	2400	676	26.7	694	28.8	711	30.7	744	35.0	777	39.6	807	44.0	835	48.3	861	52.4	889	56.9	917	61.5
51225	2500	693	28.8	710	30.8	727	33.0	759	37.3	791	42.0	821	46.7	850	51.2	876	55.6	901	59.9	926	64.6
53274	2600	708	30.9	726	33.1	743	35.3	774	39.7	805	44.3	835	49.3	864	54.2	891	58.8	916	63.3	940	67.9
55323	2700	725	33.2	742	35.5	759	37.7	790	42.3	820	47.0	850	52.0	878	57.1	905	62.1	930	66.9	954	71.5
57372	2800	742	35.6	758	38.0	775	40.4	806	45.1	835	49.8	863	54.7	892	60.2	919	65.4	945	70.5	969	75.5
59421	2900	758	38.0	775	40.6	791	43.1	822	47.9	851	52.8	879	57.9	906	63.2	933	68.7	959	74.2	983	79.4
61470	3000	775	40.8	792	43.3	808	45.9	838	51.0	867	56.1	894	61.1	921	66.4	947	72.1	972	77.7	998	83.4
63519	3100	793	43.7	808	46.1	824	48.9	855	54.2	883	59.3	909	64.5	936	70.0	961	75.4	987	81.5	1011	87.3
65568	3200	810	46.6	826	49.3	841	51.8	870	57.3	899	62.8	928	68.2	951	73.6	976	79.3	1001	85.2	1025	91.3
67617	3300	827	49.6	843	52.5	857	55.1	887	60.8	915	66.5	941	71.9	966	77.5	991	83.3	1015	88.9	1040	95.4
69666	3400	845	53.0	860	55.8	875	58.7	904	64.4	931	70.2	957	75.8	983	81.7	1006	87.2	1031	93.4	1053	99.3
71715	3500	863	56.4	877	59.2	892	62.3	920	68.0	947	74.0	974	80.0	999	85.8	1022	91.8	1046	97.8	—	—
73764	3600	880	59.9	895	63.0	909	65.9	936	71.8	964	78.2	990	84.3	1014	90.1	1039	96.4	1060	102	—	—
75813	3700	897	63.4	913	66.8	926	69.8	954	76.1	981	82.3	1005	86.5	1031	94.9	1054	101	1077	107	—	—
77862	3800	916	67.5	930	70.7	945	74.0	972	80.4	997	86.5	1022	93.2	1047	99.7	1070	105	1093	112	—	—
79911	3900	936	71.8	947	74.7	962	78.3	988	84.8	1014	91.1	1039	97.9	1063	104	1087	111	1109	117	—	—
81960	4000	955	76.1	966	79.1	980	82.6	1005	89.2	1031	96.0	1056	102	1079	109	1103	116	1125	123	—	—

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE 490
DOUBLE WIDTH
DOUBLE INLET

CENTRIFUGAL FAN TYPE **B**

WHEEL DIA. 49"

OUTLET AREA 24.85 SQ FT

LIMIT LOAD HP = 142 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
22365	900	225	1.60	246	2.06	266	2.57	284	3.06	300	3.55	317	4.08	336	4.69	373	6.00	407	7.22	437	8.34
23607	950	232	1.77	253	2.25	272	2.77	290	3.31	306	3.81	321	4.34	338	4.93	374	6.27	408	7.62	439	8.88
24850	1000	240	1.95	260	2.46	279	2.98	296	3.56	312	4.11	327	4.63	342	5.19	375	6.53	409	7.98	441	9.35
26092	1050	247	2.14	268	2.68	286	3.23	303	3.81	319	4.41	333	4.97	347	5.53	377	6.80	410	8.30	442	9.81
27335	1100	255	2.36	275	2.93	293	3.48	309	4.07	325	4.70	340	5.31	353	5.89	381	7.13	411	8.61	443	10.2
29820	1200	271	2.83	290	3.44	307	4.05	323	4.67	338	5.32	353	6.01	367	6.68	391	7.94	417	9.34	444	10.9
32305	1300	287	3.36	305	4.03	322	4.70	337	5.36	352	6.03	366	6.72	379	7.48	405	8.93	427	10.3	450	11.8
34790	1400	304	3.99	321	4.69	337	5.41	352	6.13	366	6.84	379	7.56	392	8.30	417	9.93	440	11.4	461	12.9
37275	1500	321	4.68	337	5.44	352	6.19	367	6.97	381	7.74	394	8.51	406	9.27	430	10.9	453	12.6	474	14.2
39760	1600	339	5.47	353	6.23	368	7.07	382	7.87	395	8.70	408	9.52	420	10.3	443	12.0	466	13.8	487	15.6
42245	1700	357	6.38	370	7.18	384	8.04	397	8.90	410	9.77	423	10.6	435	11.5	457	13.2	478	15.0	499	17.0
44730	1800	375	7.37	387	8.20	400	9.09	413	10.0	425	10.8	438	11.8	450	12.7	472	14.6	492	16.5	512	18.4
47215	1900	393	8.42	404	9.28	416	10.2	429	11.2	441	12.2	453	13.1	464	14.1	486	16.0	506	18.0	526	20.0
49700	2000	411	9.60	422	10.5	434	11.5	445	12.5	456	13.5	468	14.5	479	15.5	501	17.6	521	19.7	539	21.7
52185	2100	430	11.0	441	11.9	451	12.9	461	13.9	473	15.0	484	16.1	495	17.1	515	19.3	535	21.4	554	23.6
54670	2200	450	12.5	459	13.4	467	14.3	479	15.5	489	16.6	500	17.7	510	18.8	531	21.1	550	23.4	568	25.6
57155	2300	469	14.2	476	15.0	486	16.1	496	17.2	505	18.3	516	19.5	526	20.6	545	22.9	565	25.3	583	27.7
59640	2400	488	16.0	493	16.6	504	17.9	512	18.9	523	20.2	532	21.3	542	22.6	561	25.0	580	27.5	597	30.0
62125	2500	507	17.9	513	18.6	522	19.9	530	20.9	540	22.2	548	23.4	558	24.7	577	27.2	594	29.7	612	32.3
64610	2600	526	19.9	532	20.8	540	21.9	549	23.1	556	24.3	566	25.6	574	26.8	592	29.5	610	32.2	627	34.9
69580	2800	563	24.4	571	25.6	575	26.4	585	27.9	592	29.1	600	30.4	608	31.9	625	34.7	641	37.5	658	40.3
74550	3000	600	29.5	609	31.1	614	32.0	620	33.1	629	34.7	635	36.0	642	37.4	657	40.3	674	43.5	689	46.5
79520	3200	636	35.1	647	37.2	653	38.4	657	39.2	664	40.8	672	42.4	677	43.7	692	46.9	705	49.8	721	53.3
84490	3400	676	42.1	684	43.9	691	45.5	696	46.5	699	47.4	707	49.4	714	51.0	725	53.9	740	57.4	753	60.7

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
37275	1500	493	15.8	512	17.5	534	19.4	579	23.6	625	27.9	666	32.0	703	35.9	737	39.5	768	42.8	796	46.0
39760	1600	506	17.3	524	19.0	542	20.8	582	24.8	626	29.5	668	34.1	707	38.4	742	42.7	775	46.6	804	50.2
42245	1700	519	18.9	537	20.7	553	22.5	589	26.4	628	30.9	669	35.9	708	40.7	745	45.4	779	49.9	811	54.2
44730	1800	531	20.5	550	22.5	567	24.5	600	28.3	634	32.6	671	37.5	709	42.7	747	47.9	782	52.9	814	57.7
47215	1900	545	22.1	563	24.3	580	26.4	611	30.4	643	34.7	676	39.4	711	44.6	748	50.1	783	55.6	817	60.9
49700	2000	557	23.8	576	26.1	593	28.4	625	32.8	654	37.0	683	41.5	716	46.6	750	52.2	784	58.0	818	63.8
52185	2100	571	25.8	588	28.0	606	30.5	638	35.2	667	39.7	695	44.2	723	49.0	754	54.4	787	60.3	819	66.4
54670	2200	585	27.8	602	30.2	618	32.5	650	37.6	680	42.5	707	47.1	734	51.9	761	57.0	791	62.6	822	68.8
57155	2300	600	30.1	616	32.4	632	34.9	663	40.0	693	45.3	720	50.3	745	54.9	771	60.2	796	65.6	826	71.5
59640	2400	614	32.4	631	34.9	646	37.3	676	42.5	705	48.0	733	53.4	759	58.6	782	63.5	808	69.0	833	74.6
62125	2500	629	35.0	645	37.4	660	40.0	690	45.3	719	50.9	746	56.6	772	62.1	796	67.4	819	72.7	843	78.3
64610	2600	643	37.5	660	40.2	675	42.8	703	48.2	731	53.8	759	59.8	785	65.7	809	71.4	832	76.8	854	82.4
67095	2700	659	40.3	674	43.1	689	45.8	718	51.3	745	57.1	772	63.1	797	69.3	822	75.4	845	81.2	866	86.8
69580	2800	674	43.2	689	46.1	704	49.0	732	54.7	759	60.5	784	66.3	810	73.0	835	79.4	858	85.5	880	91.6
72065	2900	688	46.1	704	49.3	718	52.2	746	58.1	773	64.1	798	70.3	823	76.6	847	83.3	871	90.0	893	96.3
74550	3000	704	49.5	719	52.5	734	55.7	761	61.9	787	68.0	812	74.1	836	80.5	860	87.5	883	94.3	906	101
77035	3100	720	53.0	734	55.9	749	59.3	776	65.7	802	71.9	826	78.3	850	84.9	873	91.5	896	98.8	918	105
79520	3200	735	56.5	750	59.8	763	62.9	790	69.6	816	76.1	841	82.8	863	89.3	887	96.2	909	103	931	110
82005	3300	751	60.2	766	63.7	779	66.8	806	73.8	831	80.6	855	87.3	878	94.0	900	101	922	107	944	115
84490	3400	768	64.3	781	67.7	795	71.2	821	78.1	846	85.2	870	91.9	893	99.1	914	105	936	113	957	120
86975	3500	784	68.4	797	71.9	810	75.6	836	82.5	860	89.8	885	97.1	907	104	928	111	950	118	—	—
89460	3600	799	72.6	813	76.4	826	80.0	851	87.1	876	94.8	899	102	921	109	943	116	963	124	—	—
91945	3700	815	76.9	829	81.1	841	84.7	867	92.3	891	99.9	913	107	936	115	958	122	978	130	—	—
94430	3800	832	81.9	845	85.8	858	89.8	883	97.5	905	104	929	113	951	121	972	128	993	136	—	—
96915	3900	850	87.1	861	90.6	874	95.0	898	102	921	110	944	118	965	126	987	134	1007	142	—	—
99400	4000	867	92.4	878	96.0	890	100	913	108	937	116	959	124	980	133	1002	141	1022	149	—	—

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 542
DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 54 1/4"

OUTLET AREA 30.46 SQ FT

LIMIT LOAD HP = 236 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
27414	900	203	1.96	222	2.53	240	3.15	256	3.75	271	4.35	286	5.01	303	5.75	337	7.35	368	8.85	395	10.2
28937	950	210	2.17	229	2.76	246	3.40	262	4.06	276	4.67	290	5.32	305	6.04	338	7.69	369	9.34	397	10.8
30460	1000	217	2.39	235	3.02	252	3.66	268	4.36	282	5.04	295	5.68	309	6.36	339	8.00	370	9.78	398	11.4
31983	1050	223	2.63	242	3.29	258	3.96	274	4.67	288	5.40	301	6.09	314	6.78	341	8.34	371	10.1	399	12.0
33506	1100	231	2.89	248	3.59	264	4.27	279	4.98	294	5.77	307	6.51	319	7.22	344	8.74	372	10.5	400	12.5
36552	1200	245	3.47	262	4.22	277	4.97	292	5.72	305	6.52	319	7.36	331	8.19	353	9.74	376	11.4	401	13.4
39598	1300	259	4.11	276	4.94	291	5.76	305	6.57	318	7.39	330	8.24	343	9.17	365	10.9	386	12.6	407	14.4
42644	1400	275	4.89	290	5.75	304	6.63	318	7.52	331	8.39	343	9.27	354	10.1	377	12.1	397	14.0	416	15.8
45690	1500	290	5.73	304	6.67	318	7.59	331	8.54	344	9.48	356	10.4	367	11.3	389	13.4	409	15.5	428	17.4
48736	1600	306	6.70	318	7.64	332	8.67	345	9.65	357	10.6	369	11.6	380	12.6	400	14.7	421	16.9	440	19.1
51782	1700	323	7.82	334	8.81	347	9.86	359	10.9	371	11.9	382	13.0	393	14.1	413	16.2	432	18.4	451	20.8
54828	1800	339	9.03	350	10.0	361	11.1	373	12.2	384	13.3	395	14.5	406	15.6	426	17.9	445	20.2	463	22.6
57874	1900	355	10.3	365	11.3	376	12.5	387	13.7	399	14.9	409	16.0	419	17.3	439	19.6	457	22.0	475	24.5
60920	2000	371	11.7	381	12.9	392	14.1	402	15.3	412	16.5	423	17.8	433	19.1	452	21.6	470	24.1	487	26.6
63966	2100	389	13.5	398	14.6	407	15.8	416	17.0	427	18.4	437	19.7	447	21.0	466	23.6	483	26.3	500	28.9
67012	2200	406	15.3	414	16.5	422	17.6	432	19.0	442	20.3	451	21.7	461	23.1	479	25.8	497	28.6	513	31.3
70058	2300	424	17.4	430	18.4	439	19.7	448	21.1	456	22.4	466	23.9	475	25.3	492	28.1	510	31.1	526	34.0
73104	2400	441	19.6	446	20.4	455	22.0	463	23.2	472	24.8	480	26.2	490	27.7	507	30.7	524	33.7	540	36.8
76150	2500	458	21.9	463	22.9	472	24.4	479	25.6	487	27.2	495	28.7	504	30.3	521	33.4	537	36.4	553	39.7
79196	2600	475	24.4	481	25.5	488	26.9	495	28.4	503	29.8	511	31.4	518	32.9	535	36.2	551	39.4	567	42.7
85288	2800	509	30.0	516	31.4	519	32.3	528	34.2	535	35.7	542	37.3	550	39.1	564	42.5	579	45.9	594	49.4
91380	3000	542	36.1	550	38.1	555	39.3	560	40.6	568	42.6	573	44.1	580	45.8	594	49.4	609	53.3	622	57.0
97472	3200	575	43.1	584	45.6	590	47.0	593	48.1	600	50.0	607	52.0	612	53.6	625	57.5	637	61.0	651	65.4
103564	3400	610	51.6	618	53.8	624	55.7	628	57.0	631	58.1	639	60.5	645	62.5	655	66.0	668	70.4	680	74.4

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
45690	1500	445	19.4	463	21.4	483	23.8	523	28.9	564	34.3	601	39.3	635	44.1	666	48.5	694	52.5	719	56.4
48736	1600	457	21.2	473	23.3	490	25.5	526	30.4	565	36.1	603	41.8	638	47.1	670	52.3	700	57.1	727	61.6
51782	1700	469	23.2	485	25.4	500	27.6	532	32.4	567	37.9	604	44.0	640	50.0	673	55.6	704	61.2	732	66.4
54828	1800	480	25.1	497	27.6	512	30.0	542	34.7	573	40.0	606	46.0	641	52.4	674	58.7	706	64.8	736	70.7
57874	1900	492	27.1	508	29.8	524	32.4	552	37.3	580	42.5	611	48.3	643	54.7	675	61.4	708	68.2	738	74.6
60920	2000	503	29.2	520	32.1	535	34.9	564	40.2	590	45.4	617	50.8	647	57.1	677	64.0	709	71.1	739	78.2
63966	2100	516	31.6	531	34.3	547	37.3	576	43.2	602	48.7	627	54.2	653	60.0	681	66.6	710	73.9	740	81.3
67012	2200	529	34.1	544	37.0	558	39.8	587	46.1	614	52.1	638	57.7	663	63.7	688	69.9	714	76.8	742	84.4
70058	2300	542	36.9	556	39.7	571	42.8	599	49.1	626	55.5	651	61.6	673	67.4	697	73.8	721	80.4	746	87.6
73104	2400	555	39.7	570	42.8	583	45.7	611	52.1	637	58.9	662	65.5	685	71.8	707	77.9	730	84.6	753	91.5
76150	2500	568	42.9	582	45.9	596	49.1	623	55.5	649	62.4	674	69.4	697	76.1	719	82.7	739	89.1	761	96.0
79196	2600	581	46.0	596	49.3	609	52.5	635	59.1	660	65.9	685	73.2	709	80.6	731	87.5	751	94.2	771	101
82242	2700	595	49.4	609	52.9	623	56.1	648	62.9	673	70.0	697	77.4	720	84.9	743	92.4	763	99.5	782	106
85288	2800	609	53.0	622	56.5	636	60.1	661	67.1	685	74.1	708	81.3	732	89.5	754	97.3	775	104	795	112
88334	2900	622	56.5	636	60.4	649	64.0	674	71.2	698	78.5	721	86.2	743	94.0	765	102	787	110	807	118
91380	3000	636	60.7	650	64.4	663	68.3	688	75.8	711	83.4	733	90.9	755	98.7	777	107	798	115	818	124
94426	3100	650	64.9	663	68.5	676	72.7	701	80.6	724	88.2	746	95.9	768	104	789	112	810	121	830	129
97472	3200	664	69.3	677	73.3	690	77.1	714	85.3	737	93.3	759	101	780	109	801	117	821	126	841	135
100518	3300	678	73.8	692	78.1	703	81.9	728	90.5	751	98.9	772	107	793	115	813	123	833	132	853	141
103564	3400	693	78.8	705	83.0	718	87.2	741	95.8	764	104	785	112	806	121	825	129	846	138	864	147
106610	3500	709	83.9	719	88.1	732	92.6	755	101	777	110	799	119	819	127	839	136	858	145	---	---
109656	3600	722	89.0	734	93.7	746	98.1	768	106	791	116	812	125	832	134	852	143	870	152	---	---
112702	3700	736	94.3	749	99.4	760	103	783	113	805	122	825	131	846	141	865	150	884	159	---	---
115748	3800	752	100	763	105	775	110	797	119	818	128	839	138	859	148	878	157	897	167	---	---
118794	3900	768	106	777	111	790	116	811	126	832	135	853	145	872	155	892	165	909	174	---	---
121840	4000	783	113	793	117	804	122	824	132	846	142	866	152	885	163	905	173	923	182	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE 600
DOUBLE WIDTH
DOUBLE INLET

CENTRIFUGAL FAN TYPE **B**

WHEEL DIA. 60"

OUTLET AREA 37.26 SQ FT

LIMIT LOAD HP = 390 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
33534	900	184	2.40	201	3.09	217	3.85	232	4.59	245	5.32	259	6.12	274	7.04	305	8.99	333	10.8	357	12.5
35397	950	190	2.65	207	3.38	222	4.16	237	4.96	250	5.71	262	6.50	276	7.39	306	9.40	334	11.4	359	13.3
37260	1000	196	2.92	213	3.69	228	4.47	242	5.34	255	6.16	267	6.94	279	7.78	307	9.79	335	11.9	360	14.0
39123	1050	202	3.21	219	4.02	233	4.84	247	5.72	260	6.61	272	7.45	284	8.29	308	10.2	336	12.4	361	14.7
40986	1100	208	3.54	225	4.39	239	5.22	252	6.10	266	7.05	278	7.97	289	8.83	311	10.6	337	12.9	362	15.3
44712	1200	221	4.25	237	5.16	251	6.08	264	7.00	276	7.97	288	9.01	299	10.0	319	11.9	340	14.0	363	16.3
48438	1300	234	5.03	249	6.04	263	7.04	276	8.04	287	9.04	299	10.0	310	11.2	330	13.3	349	15.4	368	17.6
52164	1400	248	5.98	262	7.03	275	8.11	288	9.20	299	10.2	310	11.3	320	12.4	341	14.8	359	17.1	376	19.3
55890	1500	262	7.01	275	8.16	288	9.28	300	10.4	311	11.6	322	12.7	332	13.9	351	16.4	370	18.9	387	21.3
59616	1600	277	8.20	288	9.34	300	10.6	312	11.8	323	13.0	333	14.2	343	15.5	362	18.0	380	20.7	397	23.4
63342	1700	292	9.57	302	10.7	313	12.0	325	13.3	335	14.6	345	15.9	355	17.2	373	19.8	391	22.5	408	25.5
67068	1800	306	11.0	316	12.3	326	13.6	337	15.0	347	16.3	358	17.7	367	19.1	385	21.9	402	24.7	418	27.7
70794	1900	321	12.6	330	13.9	340	15.3	350	16.8	360	18.2	370	19.6	379	21.2	397	24.0	413	27.0	429	30.0
74520	2000	335	14.4	345	15.8	354	17.3	363	18.7	373	20.2	383	21.8	392	23.3	409	26.5	425	29.5	440	32.5
78246	2100	351	16.5	360	17.9	368	19.3	377	20.8	386	22.5	395	24.1	404	25.7	421	28.9	437	32.2	452	35.4
81972	2200	367	18.8	375	20.1	382	21.5	391	23.3	399	24.9	408	26.6	417	28.3	433	31.6	449	35.0	464	38.3
85698	2300	383	21.3	389	22.5	397	24.1	405	25.8	412	27.4	421	29.3	429	30.9	445	34.3	461	38.0	476	41.6
89424	2400	399	24.0	403	25.0	412	26.9	418	28.4	427	30.3	434	32.0	443	33.9	458	37.6	474	41.3	488	45.0
93150	2500	414	26.8	419	28.0	427	29.8	433	31.4	441	33.3	448	35.1	456	37.0	471	40.9	485	44.5	500	48.5
96876	2600	430	29.9	435	31.2	441	32.9	448	34.7	454	36.5	462	38.5	469	40.2	484	44.3	498	48.3	512	52.3
104328	2800	460	36.7	466	38.5	470	39.5	478	41.9	483	43.7	490	45.6	497	47.8	510	52.0	524	56.2	537	60.5
111780	3000	490	44.2	498	46.6	502	48.0	506	49.7	513	52.1	518	53.9	524	56.1	537	60.5	550	65.2	563	69.7
119232	3200	520	52.7	528	55.7	533	57.6	536	58.8	542	61.2	549	63.6	553	65.5	565	70.3	576	74.7	589	80.0
126684	3400	552	63.1	559	65.8	565	68.2	568	69.8	571	71.0	578	74.0	583	76.5	592	80.8	604	86.1	615	91.0

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
55890	1500	402	23.7	419	26.2	436	29.1	473	35.4	510	41.9	544	48.1	574	53.9	602	59.3	627	64.2	650	68.9
59616	1600	413	26.0	428	28.5	443	31.2	476	37.3	511	44.2	545	51.1	577	57.7	606	64.0	633	69.9	657	75.3
63342	1700	424	28.4	438	31.1	452	33.7	481	39.6	513	46.4	546	53.8	578	61.1	608	68.1	636	74.9	662	81.3
67068	1800	434	30.8	449	33.8	463	36.7	490	42.5	518	49.0	548	56.3	579	64.1	610	71.9	638	79.3	665	86.5
70794	1900	445	33.2	459	36.5	474	39.7	499	45.6	525	52.0	552	59.0	581	66.9	611	75.2	640	83.4	667	91.3
74520	2000	455	35.7	470	39.2	484	42.6	510	49.2	534	55.5	558	62.2	585	69.9	612	78.3	641	87.0	668	95.7
78246	2100	467	38.7	480	42.0	495	45.7	521	52.8	545	59.6	567	66.3	590	73.4	616	81.5	642	90.4	669	99.5
81972	2200	478	41.7	492	45.3	505	48.7	531	56.4	555	63.7	577	70.6	599	77.9	622	85.5	646	93.9	671	103
85698	2300	490	45.1	503	48.5	516	52.3	542	60.1	566	67.9	588	75.4	608	82.4	630	90.3	652	98.3	675	107
89424	2400	502	48.6	515	52.3	527	55.9	552	63.7	576	72.0	599	80.1	620	87.9	639	95.2	660	103	680	111
93150	2500	514	52.4	527	56.1	539	60.1	563	67.9	587	76.4	609	84.9	630	93.1	650	101	669	109	688	117
96876	2600	526	56.3	539	60.3	551	64.3	574	72.3	597	80.6	619	89.7	641	98.6	661	107	679	115	697	123
100602	2700	538	60.5	551	64.7	563	68.7	586	77.0	608	85.6	630	94.7	651	103	671	113	690	121	707	130
104328	2800	550	64.8	562	69.1	575	73.5	598	82.1	620	90.7	640	99.5	662	109	682	119	701	128	719	137
108054	2900	562	69.1	575	73.9	587	78.3	610	87.1	631	96.1	652	105	672	114	692	125	711	134	729	144
111780	3000	575	74.2	587	78.8	599	83.5	622	92.8	643	102	663	111	683	120	703	131	721	141	740	151
115506	3100	588	79.5	599	83.8	612	88.9	634	98.6	655	107	674	117	694	127	713	137	732	148	750	158
119232	3200	601	84.8	612	89.6	624	94.3	645	104	667	114	687	124	705	133	724	144	743	154	760	166
122958	3300	613	90.3	625	95.5	636	100	658	110	679	120	698	130	717	141	735	151	753	161	771	173
126684	3400	627	96.4	638	101	649	106	670	117	691	127	710	137	729	148	746	158	764	169	781	180
130410	3500	640	102	651	107	662	113	682	123	703	134	722	145	741	156	758	166	776	177	—	—
134136	3600	653	108	664	114	674	120	695	130	715	142	734	153	752	164	770	175	786	186	—	—
137862	3700	665	115	677	121	687	127	708	138	727	149	746	161	765	172	782	183	799	195	—	—
141588	3800	680	122	690	128	701	134	721	146	739	157	758	168	777	181	794	192	811	204	—	—
145314	3900	694	130	703	135	714	142	733	154	752	165	771	178	788	190	806	202	822	213	—	—
149040	4000	708	138	717	143	727	150	745	162	765	174	783	186	801	199	818	211	834	223	—	—

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 660

DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 66"

OUTLET AREA 45.09 SQ FT

LIMIT LOAD HP = 630 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
40581	900	167	2.90	183	3.74	197	4.66	211	5.56	223	6.44	235	7.41	249	8.52	277	10.8	302	13.1	324	15.1
42835	950	172	3.21	188	4.09	202	5.03	215	6.01	227	6.91	239	7.87	251	8.90	278	11.3	303	13.8	326	16.1
45090	1000	178	3.53	193	4.47	207	5.41	220	6.46	232	7.46	243	8.40	254	9.42	279	11.8	304	14.4	327	16.9
47344	1050	184	3.89	199	4.87	212	5.86	225	6.92	237	8.00	248	9.02	258	10.0	280	12.3	305	15.0	328	17.7
49599	1100	190	4.28	204	5.31	217	6.32	230	7.38	241	8.54	252	9.64	262	10.6	283	12.9	306	15.6	329	18.5
54108	1200	201	5.14	215	6.25	228	7.35	240	8.47	251	9.64	262	10.9	272	12.1	290	14.4	309	16.9	330	19.8
58617	1300	213	6.09	227	7.31	239	8.52	251	9.73	261	10.9	271	12.2	282	13.5	300	16.2	317	18.6	334	21.4
63126	1400	226	7.24	238	8.51	250	9.81	261	11.1	272	12.4	282	13.7	291	15.0	310	18.0	327	20.7	342	23.4
67635	1500	238	8.49	250	9.87	261	11.2	272	12.6	283	14.0	292	15.4	301	16.8	319	19.8	336	22.9	352	25.8
72144	1600	251	9.92	262	11.3	273	12.8	283	14.2	293	15.7	303	17.2	312	18.7	329	21.8	346	25.1	361	28.4
76653	1700	265	11.5	275	13.0	285	14.6	295	16.1	305	17.7	314	19.3	323	20.8	339	24.0	355	27.3	371	30.9
81162	1800	279	13.3	287	14.8	297	16.4	306	18.1	316	19.7	325	21.5	334	23.2	350	26.5	365	29.9	380	33.5
85671	1900	292	15.2	300	16.8	309	18.5	319	20.3	328	22.1	336	23.8	345	25.6	361	29.1	376	32.6	390	36.3
90180	2000	305	17.4	314	19.2	322	20.9	330	22.7	339	24.5	348	26.4	356	28.2	372	32.0	387	35.7	400	39.4
94689	2100	319	20.0	327	21.7	335	23.4	342	25.2	351	27.3	359	29.2	367	31.1	383	35.0	397	38.9	411	42.8
99198	2200	334	22.7	341	24.4	347	26.1	355	28.2	363	30.1	371	32.2	379	34.2	394	38.3	408	42.4	422	46.4
103707	2300	348	25.8	354	27.2	361	29.2	368	31.2	375	33.2	383	35.4	390	37.4	405	41.6	419	46.0	433	50.4
108216	2400	362	29.0	366	30.2	374	32.6	380	34.4	388	36.7	395	38.8	402	41.1	417	45.5	431	50.0	444	54.4
112725	2500	376	32.5	381	33.9	388	36.1	393	38.0	401	40.3	407	42.4	414	44.8	428	49.5	441	53.9	455	58.7
117234	2600	391	36.2	395	37.8	401	39.8	407	42.0	413	44.1	420	46.6	426	48.7	440	53.6	453	58.4	466	63.3
126252	2800	418	44.4	424	46.6	427	47.9	434	50.7	440	52.9	445	55.2	452	57.9	464	62.9	476	68.0	488	73.2
135270	3000	445	53.5	452	56.4	456	58.1	460	60.2	467	63.0	471	65.3	477	67.9	488	73.2	500	78.9	512	84.3
144288	3200	472	63.8	480	67.5	485	69.7	488	71.2	493	74.1	499	77.0	503	79.3	514	85.1	523	90.4	535	96.8
153306	3400	502	76.4	508	79.7	513	82.5	517	84.4	519	86.0	525	89.6	530	92.6	539	97.8	550	104	559	110

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
67635	1500	366	28.7	381	31.7	397	35.2	430	42.9	464	50.7	494	58.2	522	65.3	547	71.8	570	77.7	591	83.4
72144	1600	376	31.5	389	34.5	403	37.8	432	45.1	465	53.5	496	61.9	525	69.8	551	77.5	575	84.6	597	91.2
76653	1700	385	34.4	399	37.7	411	40.8	438	48.0	466	56.1	497	65.1	526	74.0	553	82.4	578	90.6	602	98.4
81162	1800	395	37.2	408	40.9	421	44.4	445	51.4	471	59.2	498	68.1	527	77.6	554	87.0	580	96.0	605	104
85671	1900	404	40.2	418	44.1	431	48.0	454	55.3	477	62.9	502	71.5	528	81.0	555	91.0	582	100	606	110
90180	2000	414	43.3	427	47.5	440	51.6	464	59.6	485	67.2	507	75.3	532	84.6	557	94.7	583	105	608	115
94689	2100	424	46.8	437	50.8	450	55.3	474	63.9	495	72.1	516	80.3	537	88.9	560	98.7	584	109	609	120
99198	2200	434	50.5	447	54.8	459	59.0	483	68.2	505	77.1	525	85.4	545	94.3	565	103	587	113	610	124
103707	2300	445	54.6	457	58.7	469	63.3	493	72.7	515	82.2	535	91.3	553	99.7	573	109	592	119	613	129
108216	2400	455	58.8	468	63.4	479	67.7	502	77.1	524	87.2	544	97.0	563	106	581	115	600	125	619	135
112725	2500	467	63.5	479	67.9	490	72.7	512	82.2	534	92.4	554	102	573	112	591	122	608	131	626	142
117234	2600	478	68.1	490	73.0	501	77.8	522	87.5	543	97.6	563	108	583	119	601	129	617	139	634	149
121743	2700	489	73.2	501	78.3	512	83.1	533	93.2	553	103	573	114	592	125	610	136	627	147	643	157
126252	2800	500	78.4	511	83.6	523	89.0	544	99.3	563	109	582	120	602	132	620	144	637	155	653	166
130761	2900	511	83.7	523	89.5	533	94.8	554	105	574	116	593	127	611	139	629	151	647	163	663	174
135270	3000	523	89.8	534	95.4	545	101	565	112	585	123	603	134	621	146	639	158	656	171	673	183
139779	3100	535	96.2	545	101	556	107	576	119	595	130	613	142	631	154	648	166	666	179	682	192
144288	3200	546	102	557	108	567	114	587	126	606	138	624	150	641	162	659	174	675	187	691	200
148797	3300	558	109	569	115	578	121	598	134	617	146	635	158	652	170	669	183	685	195	701	209
153306	3400	570	116	580	122	590	129	609	141	628	154	646	166	663	179	678	192	695	205	710	218
157815	3500	582	124	591	130	602	137	620	149	639	163	657	178	673	189	689	202	705	215	---	---
162324	3600	594	131	604	138	613	145	632	158	650	172	668	185	684	198	700	212	715	225	---	---
166833	3700	605	139	616	147	625	153	644	167	661	181	678	194	695	209	711	222	726	236	---	---
171342	3800	618	148	627	155	637	163	655	177	672	190	690	205	706	219	722	233	737	247	---	---
175851	3900	631	158	639	164	649	172	667	186	684	200	701	215	717	230	733	244	748	258	---	---
180360	4000	644	167	652	174	661	181	678	196	696	211	712	226	728	241	744	256	759	270	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE 730
DOUBLE WIDTH
DOUBLE INLET

CENTRIFUGAL FAN TYPE **B**

WHEEL DIA. 73"

OUTLET AREA 55.16 SQ FT

LIMIT LOAD HP = 1043 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
49644	900	151	3.55	165	4.58	178	5.70	190	6.80	201	7.87	213	9.07	225	10.4	251	13.3	273	16.0	293	18.5
52402	950	156	3.92	170	5.00	183	6.16	195	7.35	205	8.46	216	9.63	227	10.9	252	13.9	274	16.9	295	19.7
55160	1000	161	4.32	175	5.47	187	6.62	199	7.90	210	9.12	219	10.2	229	11.5	253	14.4	275	17.7	296	20.7
57918	1050	166	4.76	180	5.96	192	7.16	203	8.46	214	9.78	224	11.0	233	12.2	254	15.1	276	18.4	297	21.7
60676	1100	171	5.24	185	6.49	196	7.73	208	9.03	218	10.4	228	11.7	237	13.0	255	15.8	277	19.1	298	22.6
66192	1200	182	6.29	195	7.65	206	9.00	217	10.3	227	11.8	237	13.3	246	14.8	263	17.6	280	20.7	299	24.2
71708	1300	193	7.45	205	8.94	216	10.4	226	11.9	236	13.3	245	14.9	255	16.6	272	19.8	287	22.8	302	26.1
77224	1400	204	8.86	215	10.4	226	12.0	236	13.6	246	15.1	255	16.7	263	18.4	280	22.0	295	25.4	309	28.7
82740	1500	216	10.3	226	12.0	236	13.7	246	15.4	256	17.1	264	18.8	272	20.5	289	24.2	304	28.0	318	31.6
88256	1600	227	12.1	237	13.8	247	15.6	256	17.4	265	19.3	274	21.1	282	22.9	298	26.7	313	30.7	327	34.7
93772	1700	240	14.1	248	15.9	258	17.8	267	19.7	276	21.6	284	23.6	292	25.5	307	29.3	321	33.4	335	37.8
99288	1800	252	16.3	260	18.2	268	20.1	277	22.2	286	24.1	294	26.3	302	28.3	317	32.4	330	36.6	344	41.0
104804	1900	264	18.7	271	20.6	279	22.7	288	24.9	296	27.0	304	29.1	312	31.3	326	35.6	340	39.9	353	44.4
110320	2000	276	21.3	283	23.4	291	25.6	299	27.8	306	30.0	314	32.3	322	34.5	336	39.2	350	43.7	362	48.2
115836	2100	289	24.4	296	26.5	302	28.7	310	30.9	317	33.4	325	35.7	332	38.0	346	42.9	359	47.6	372	52.4
121352	2200	302	27.8	308	29.8	314	31.9	321	34.5	328	36.8	335	39.4	343	41.9	356	46.8	369	51.9	381	56.8
126868	2300	315	31.5	320	33.3	326	35.7	333	38.2	339	40.6	346	43.3	353	45.8	366	50.9	379	56.3	391	61.6
132384	2400	328	35.5	331	37.0	339	39.8	344	42.1	351	44.9	357	47.4	364	50.3	377	55.7	389	61.1	401	66.6
137900	2500	340	39.8	344	41.4	351	44.2	356	46.5	362	49.4	368	51.9	375	54.9	387	60.5	399	65.9	411	71.9
143416	2600	353	44.3	357	46.3	363	48.7	368	51.4	374	54.0	380	57.0	385	59.6	398	65.6	410	71.5	421	77.5
154448	2800	378	54.3	383	57.0	386	58.6	393	62.0	397	64.7	403	67.6	408	70.8	419	77.0	430	83.2	442	89.5
165480	3000	403	65.5	409	69.1	412	71.1	416	73.6	422	77.1	426	79.9	431	83.0	441	89.5	452	96.5	462	103
176512	3200	427	78.1	434	82.6	438	83.3	441	87.1	446	90.6	451	94.2	455	97.1	465	104	473	110	484	118
187544	3400	454	93.5	459	97.5	464	101	467	103	469	105	475	109	479	113	487	119	497	127	505	134

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
82740	1500	331	35.1	344	38.8	359	43.1	389	52.5	419	62.1	447	71.2	472	79.8	495	87.8	515	95.1	534	102
88256	1600	340	38.5	352	42.2	364	46.2	391	55.2	420	65.5	448	75.7	474	85.4	498	94.8	520	103	540	111
93772	1700	348	42.0	360	46.1	371	49.9	396	58.7	422	68.7	449	79.7	475	90.5	500	100	523	110	544	120
99288	1800	357	45.6	369	50.0	381	54.3	402	62.9	426	72.5	450	83.3	476	94.9	501	106	525	117	547	128
104804	1900	366	49.2	378	54.0	389	58.7	410	67.6	431	77.0	454	87.4	478	99.1	501	111	526	123	548	135
110320	2000	374	52.9	386	58.1	398	63.2	419	72.9	439	82.2	459	92.1	481	103	503	115	527	128	549	141
115836	2100	383	57.3	395	62.1	407	67.7	428	78.2	448	88.2	466	98.2	485	108	506	120	528	133	550	147
121352	2200	393	61.8	404	67.0	415	72.2	437	83.5	457	94.3	474	104	493	115	511	126	531	139	552	152
126868	2300	403	66.8	413	71.9	424	77.5	445	88.9	465	100	484	111	500	122	518	133	536	145	555	158
132384	2400	412	71.9	423	77.5	433	82.8	454	94.3	473	106	492	118	509	130	525	141	542	153	559	165
137900	2500	422	77.6	433	83.1	443	88.9	463	100	482	113	501	125	518	137	534	149	549	161	566	174
143416	2600	432	83.4	443	89.3	453	95.2	472	107	491	119	509	132	527	146	543	158	558	170	573	182
148932	2700	442	89.6	453	95.8	463	110	482	114	500	126	518	140	535	153	552	167	567	180	582	192
154448	2800	452	96.0	462	102	473	108	492	121	509	134	526	147	544	162	560	176	576	189	591	203
159964	2900	462	102	473	109	482	116	501	128	519	142	536	156	553	170	569	185	585	199	599	213
165480	3000	473	109	483	116	492	123	511	137	529	151	545	164	561	176	578	194	593	209	608	224
170996	3100	483	117	493	124	503	131	521	145	538	159	554	173	571	188	586	203	602	219	616	235
176512	3200	494	125	503	132	513	139	530	154	548	169	564	183	580	198	595	213	610	229	625	245
182028	3300	504	133	514	141	523	148	541	169	558	179	574	193	589	208	604	224	619	239	634	256
187544	3400	515	142	524	150	534	158	551	173	568	189	584	204	599	220	613	235	628	251	642	267
193060	3500	526	152	535	159	544	167	561	183	577	199	594	215	609	231	623	247	637	263	---	---
198576	3600	537	161	546	169	554	177	571	193	588	210	604	227	618	242	633	259	646	275	---	---
204092	3700	547	170	557	180	565	188	582	204	598	221	613	238	629	255	643	272	657	289	---	---
209608	3800	559	181	567	190	576	199	592	216	608	233	623	251	638	268	658	285	666	302	---	---
215124	3900	571	193	578	201	587	210	603	228	618	245	634	263	648	281	663	299	676	316	---	---
220640	4000	582	205	589	213	597	222	613	240	629	258	644	276	658	295	672	313	686	331	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 807
DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 80 3/4"

OUTLET AREA 67.49 SQ FT

LIMIT LOAD HP = 1725 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
60741	900	136	4.34	149	5.60	161	6.97	172	8.32	182	9.63	192	11.0	204	12.7	227	16.2	247	19.6	265	22.6
64115	950	141	4.80	154	6.11	165	7.53	176	8.99	185	10.3	195	11.7	205	13.3	228	17.0	248	20.6	266	24.1
67490	1000	145	5.29	158	6.69	169	8.10	180	9.67	190	11.1	198	12.5	207	14.1	229	17.7	249	21.6	267	25.4
70864	1050	150	5.82	162	7.29	173	8.77	184	10.3	194	11.9	202	13.5	211	15.0	230	18.4	250	22.5	268	26.6
74239	1100	155	6.41	167	7.95	178	9.46	188	11.0	197	12.7	206	14.4	214	16.0	231	19.3	251	23.3	269	27.7
80988	1200	164	7.69	176	9.35	186	11.0	196	12.6	205	14.4	214	16.3	223	18.1	237	21.5	253	25.3	270	29.7
87737	1300	174	9.12	185	10.9	195	12.7	205	14.5	213	16.3	222	18.2	230	20.3	245	24.2	259	27.9	273	32.0
94486	1400	185	10.8	195	12.7	204	14.6	214	16.6	222	18.5	230	20.5	238	22.5	253	26.9	267	31.1	280	35.1
101235	1500	195	12.7	204	14.7	214	16.8	223	18.9	231	21.0	239	23.1	246	25.1	261	29.7	275	34.3	287	38.7
107984	1600	206	14.8	214	16.9	223	19.2	232	21.3	240	23.6	248	25.8	255	28.1	269	32.6	283	37.6	295	42.5
114733	1700	217	17.3	225	19.5	233	21.8	241	24.1	249	26.5	257	28.9	264	31.2	277	35.9	290	40.9	303	46.2
121482	1800	228	20.0	235	22.2	243	24.6	250	27.1	258	29.5	266	32.2	273	34.7	286	39.7	299	44.8	311	50.1
128231	1900	238	22.8	245	25.2	253	27.8	260	30.5	268	33.1	275	35.6	282	38.4	295	43.6	307	48.9	319	54.4
134980	2000	249	26.0	256	28.7	263	31.3	270	34.0	277	36.7	284	39.5	291	42.3	304	48.0	316	53.5	327	59.0
141729	2100	261	29.9	267	32.5	273	35.1	280	37.8	287	40.8	294	43.7	300	46.5	313	52.4	325	58.3	336	64.2
148478	2200	273	34.1	278	36.5	284	39.0	290	42.2	297	45.1	303	48.2	310	51.3	322	57.3	334	63.5	345	69.5
155227	2300	285	38.6	289	40.8	295	43.7	301	46.8	306	49.7	313	53.0	319	56.1	331	62.2	343	68.9	354	75.4
161976	2400	296	43.4	299	45.3	306	48.8	311	51.5	317	54.9	323	58.0	329	61.5	341	68.1	352	74.8	363	81.5
168725	2500	308	48.6	311	50.7	317	54.0	322	56.9	328	60.4	333	63.5	339	67.1	350	74.1	361	80.7	371	87.9
175474	2600	319	54.2	323	56.6	328	59.6	333	62.9	338	66.1	343	69.7	348	72.9	359	80.2	370	87.5	381	94.8
188972	2800	342	66.5	347	69.7	349	71.7	355	75.9	359	79.2	364	82.7	369	86.6	379	94.2	389	101	399	109
202470	3000	364	80.1	370	84.5	373	87.0	376	90.1	381	94.4	385	97.7	390	101	399	109	409	118	418	126
215968	3200	386	95.5	393	101	396	104	398	106	403	110	408	115	411	118	420	127	428	135	438	144
229466	3400	410	114	415	119	420	123	422	126	424	128	429	134	433	138	440	146	449	156	457	164

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
101235	1500	299	43.0	311	47.5	324	52.8	351	64.2	379	76.0	404	87.1	427	97.7	447	107	466	116	483	124
107984	1600	307	47.1	318	51.7	329	56.5	353	67.5	380	80.1	405	92.6	429	104	450	115	470	126	488	136
114733	1700	315	51.4	326	56.4	336	61.1	358	71.8	381	84.1	406	97.5	430	110	452	123	473	135	492	147
121482	1800	322	55.8	334	61.2	344	66.5	364	77.0	385	88.7	407	102	431	116	453	130	474	143	494	156
128231	1900	330	60.2	341	66.1	352	71.9	371	82.7	390	94.2	410	107	432	121	454	136	475	151	496	165
134980	2000	338	64.8	349	71.1	360	77.3	379	89.2	397	100	415	112	434	126	455	141	476	157	497	173
141729	2100	347	70.1	357	76.0	368	82.8	387	95.7	405	107	422	120	439	133	458	147	477	163	498	180
148478	2200	355	75.6	365	82.0	375	88.3	395	102	413	115	429	127	445	141	462	154	480	170	499	187
155227	2300	364	81.7	374	87.9	384	94.8	403	108	421	123	437	136	452	149	468	163	484	178	501	194
161976	2400	373	88.0	383	94.8	392	101	410	115	428	130	445	145	460	159	475	172	490	187	506	202
168725	2500	382	95.0	391	101	401	108	419	123	436	138	453	153	468	168	483	183	497	197	511	212
175474	2600	390	102	400	109	409	116	427	131	444	146	460	162	476	178	491	194	505	208	518	223
182223	2700	400	109	409	117	418	124	435	139	452	155	468	171	484	188	499	204	513	220	526	235
188972	2800	409	117	418	125	427	133	444	148	460	164	476	180	492	198	507	215	521	232	534	248
195721	2900	418	125	427	134	436	142	453	157	469	174	484	190	499	208	514	226	529	244	542	261
202470	3000	427	134	436	142	445	151	462	168	478	184	493	201	507	218	522	237	536	256	550	274
209219	3100	437	144	445	151	454	161	471	178	486	195	501	212	516	230	530	248	544	268	557	287
215968	3200	446	153	455	162	463	170	480	189	495	206	510	224	524	242	538	261	552	280	565	300
222717	3300	456	163	465	173	473	181	489	200	504	219	519	237	533	255	546	274	559	293	573	314
229466	3400	466	174	474	183	482	193	498	212	513	231	528	249	542	269	554	287	568	307	581	327
236215	3500	476	186	483	195	492	205	507	224	522	244	537	263	550	282	563	302	576	322		
242964	3600	485	197	493	207	501	217	516	236	531	257	546	277	559	297	572	317	584	336		
249713	3700	494	208	503	220	511	230	526	250	541	271	554	291	568	312	581	332	594	353		
256462	3800	505	222	513	233	521	244	536	265	549	285	564	307	577	328	590	348	602	370		
263211	3900	516	236	522	246	530	258	545	279	559	300	573	322	586	344	599	366	611	387		
269960	4000	528	251	533	260	540	272	554	293	568	316	582	338	595	361	608	383	620	405		

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE 890
DOUBLE WIDTH
DOUBLE INLET

CENTRIFUGAL FAN TYPE **B**

WHEEL DIA. 89"

OUTLET AREA 81.99 SQ FT

LIMIT LOAD HP = 2807 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
73791	900	124	5.27	136	6.81	146	8.47	156	10.1	165	11.7	175	13.4	185	15.4	206	19.7	224	23.8	240	27.5
77890	950	128	5.83	139	7.43	150	9.15	160	10.9	168	12.5	177	14.3	186	16.2	207	20.6	225	25.1	242	29.2
81990	1000	132	6.43	143	8.12	153	9.84	163	11.7	172	13.5	180	15.2	188	17.1	208	21.5	226	26.3	243	30.8
86089	1050	136	7.07	147	8.86	157	10.6	167	12.5	176	14.5	184	16.4	191	18.2	209	22.4	227	27.3	244	32.3
90189	1100	141	7.79	151	9.65	161	11.4	170	13.4	179	15.5	187	17.5	195	19.4	210	23.5	228	28.4	245	33.6
98388	1200	149	9.35	160	11.3	169	13.3	178	15.4	186	17.5	194	19.8	202	22.0	215	26.2	229	30.8	246	36.0
106587	1300	158	11.0	168	13.2	177	15.5	186	17.6	194	19.9	201	22.1	209	24.6	223	29.4	235	33.9	248	38.9
114786	1400	167	13.1	177	15.4	185	17.8	194	20.2	202	22.5	209	24.9	216	27.3	230	32.7	242	37.7	254	42.6
122985	1500	177	15.4	185	17.9	194	20.4	202	22.9	210	25.5	217	28.0	224	30.6	237	36.0	249	41.7	261	47.0
131184	1600	186	18.0	194	20.5	202	23.3	210	25.9	218	28.7	225	31.4	231	34.1	244	39.6	256	45.6	268	51.6
139383	1700	197	21.0	204	23.7	211	26.5	219	29.3	226	32.2	233	35.1	239	37.9	252	43.6	263	49.7	275	56.2
147582	1800	207	24.3	213	27.0	220	29.9	227	33.0	234	35.9	241	39.1	248	42.2	260	48.2	271	54.4	282	60.9
155781	1900	216	27.8	222	30.6	229	33.8	236	37.0	243	40.2	249	43.3	256	46.6	268	52.9	279	59.4	289	66.1
163980	2000	226	31.7	233	34.9	239	38.1	245	41.3	251	44.6	258	48.0	264	51.4	276	58.3	287	64.9	297	71.7
172179	2100	237	36.3	243	39.5	248	42.6	254	45.9	260	49.6	266	53.1	272	56.5	284	63.7	295	70.8	305	78.0
180378	2200	248	41.4	253	44.4	257	47.4	264	51.3	269	54.8	275	58.5	281	62.3	292	69.7	303	77.2	313	84.4
188577	2300	258	46.9	262	49.6	268	53.2	273	56.8	278	60.3	284	64.4	289	68.1	300	75.6	311	83.7	321	91.6
196776	2400	269	52.8	272	55.0	278	59.2	282	62.6	288	66.7	293	70.5	298	74.7	309	82.7	319	90.9	329	99.0
204975	2500	279	59.1	282	61.6	288	65.7	292	69.1	297	73.4	302	77.2	307	81.6	318	90.0	327	98.0	337	106
213174	2600	290	65.9	293	68.8	297	72.4	302	76.4	306	80.3	312	84.7	316	88.6	326	97.5	336	106	345	115
229572	2800	310	80.7	314	84.7	317	87.1	322	92.2	326	96.2	330	100	335	105	344	114	353	123	362	133
245970	3000	330	97.4	335	102	338	105	341	109	346	114	350	118	354	123	362	133	371	143	379	153
262368	3200	350	116	356	122	360	126	362	129	366	134	370	140	373	144	381	154	388	164	397	176
278766	3400	372	139	377	144	381	150	383	153	385	156	390	163	393	168	399	177	407	189	415	200

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
122985	1500	271	52.2	282	57.8	294	64.1	319	78.0	344	92.3	367	105	387	118	406	130	423	141	438	151
131184	1600	279	57.3	288	62.8	299	68.7	321	82.0	345	97.4	368	112	389	126	409	140	426	153	443	165
139383	1700	286	62.5	296	68.5	305	74.2	324	87.2	346	102	369	118	390	134	410	149	429	164	446	178
147582	1800	293	67.7	303	74.4	312	80.8	330	93.6	349	107	370	123	391	141	411	158	430	174	448	190
155781	1900	300	73.1	310	80.3	319	87.3	337	100	354	114	372	130	392	147	412	165	431	183	450	201
163980	2000	307	78.7	317	86.4	326	93.9	344	108	360	122	376	137	394	153	413	172	432	191	451	210
172179	2100	315	85.2	324	92.4	333	100	351	116	367	131	382	146	398	161	415	179	433	199	452	219
180378	2200	322	91.9	332	99.6	340	107	358	124	374	140	389	155	404	171	419	188	435	206	453	227
188577	2300	330	99.3	339	106	348	115	365	132	382	149	397	166	410	181	425	198	439	216	455	235
196776	2400	338	106	347	115	355	123	372	140	388	158	404	176	418	193	431	209	445	227	459	246
204975	2500	346	115	355	123	364	132	380	149	396	168	411	187	425	205	438	222	451	239	464	258
213174	2600	354	123	363	132	372	141	387	159	403	177	418	197	432	217	445	235	458	253	470	271
221373	2700	363	133	371	142	379	151	395	169	410	188	425	208	439	228	453	248	465	268	477	286
229572	2800	371	142	379	152	388	161	403	180	418	199	432	219	446	240	460	262	472	282	485	302
237771	2900	379	152	388	162	396	172	411	191	425	211	440	232	453	253	466	275	480	297	492	317
245970	3000	388	163	396	173	404	183	419	204	434	224	447	244	460	265	474	288	486	311	499	333
254169	3100	397	174	404	184	412	195	427	217	441	237	455	258	468	280	481	302	494	326	506	349
262368	3200	405	186	413	197	420	207	435	229	449	251	463	273	475	294	488	317	501	341	513	365
270567	3300	414	198	422	210	429	220	444	243	458	266	471	288	483	310	496	333	508	356	520	381
278766	3400	423	212	430	223	438	235	452	257	466	281	479	303	491	327	503	349	515	374	527	397
286965	3500	432	225	439	237	446	249	460	272	474	296	487	320	499	343	511	367	523	391	—	—
295164	3600	440	239	448	252	455	264	468	287	482	313	495	337	507	361	519	386	530	409	—	—
303363	3700	449	253	457	267	463	279	477	304	490	329	503	354	516	380	527	404	539	429	—	—
311562	3800	458	270	465	283	472	296	486	322	498	346	511	373	524	399	535	423	547	450	—	—
319761	3900	468	287	474	299	481	313	494	339	507	364	520	392	531	418	543	445	554	470	—	—
327960	4000	478	304	483	316	490	330	503	357	516	384	528	411	540	438	552	466	562	492	—	—

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



CENTRIFUGAL FAN TYPE B

SIZE 982
DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 98 1/4"

OUTLET AREA 99.92 SQ FT

LIMIT LOAD HP = 4599 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
89928	900	112	6.43	123	8.29	133	10.3	141	12.3	150	14.2	158	16.4	167	18.8	186	24.1	203	29.0	218	33.5
94924	950	116	7.11	126	9.05	136	11.1	145	13.3	152	15.3	160	17.4	169	19.8	187	25.2	204	30.6	219	35.7
99920	1000	120	7.83	130	9.90	139	12.0	148	14.3	156	16.5	163	18.6	170	20.8	188	26.2	205	32.0	220	37.6
104916	1050	123	8.62	133	10.7	142	12.9	151	15.3	159	17.7	166	19.9	173	22.2	189	27.3	206	33.3	221	39.4
109912	1100	127	9.49	137	11.7	146	14.0	154	16.3	162	18.9	170	21.3	176	23.6	190	28.6	207	34.6	222	41.0
119904	1200	135	11.3	145	13.8	153	16.3	161	18.7	169	21.3	176	24.1	183	26.8	195	31.9	208	37.5	223	43.9
129896	1300	143	13.5	152	16.2	160	18.8	168	21.5	175	24.2	182	27.0	189	30.0	202	35.9	213	41.4	225	47.4
139888	1400	152	16.0	160	18.8	168	21.7	176	24.6	183	27.5	189	30.4	196	33.3	208	39.9	219	46.0	230	52.0
149880	1500	160	18.8	168	21.8	176	24.9	183	28.0	190	31.1	196	34.2	202	37.2	215	43.9	226	50.8	236	57.3
159872	1600	169	21.9	176	25.0	183	28.4	190	31.6	197	35.0	204	38.2	210	41.6	221	48.3	232	55.6	243	62.9
169864	1700	178	25.6	185	28.8	191	32.3	198	35.8	205	39.3	211	42.8	217	46.2	228	53.2	239	60.5	249	68.5
179856	1800	187	29.6	193	32.9	199	36.5	206	40.2	212	43.8	218	47.6	224	51.4	235	58.8	245	66.3	255	74.3
189848	1900	196	33.8	201	37.3	208	41.1	214	45.1	220	49.0	226	52.7	232	56.8	242	64.5	252	72.4	262	80.5
199840	2000	205	38.6	211	42.5	216	46.4	222	50.4	228	54.4	234	58.6	239	62.6	250	71.0	260	79.2	269	87.3
209832	2100	215	44.3	220	48.1	225	51.9	230	56.0	236	60.5	241	64.7	247	68.9	257	77.7	267	86.3	276	95.0
219824	2200	224	50.5	229	54.1	233	57.8	239	62.5	244	66.8	249	71.3	255	75.9	265	84.9	274	94.1	283	102
229816	2300	234	57.1	238	60.4	242	64.8	247	69.3	252	73.6	257	78.5	262	83.0	272	92.2	282	102	291	111
239808	2400	243	64.3	246	67.1	252	72.2	256	76.3	261	81.3	265	85.9	270	91.1	280	100	289	110	298	120
249800	2500	253	72.1	256	75.1	261	80.0	264	84.3	269	89.4	273	94.1	278	99.4	288	109	296	119	305	130
259792	2600	262	80.3	265	83.9	269	88.3	274	93.2	278	97.8	282	103	286	108	295	118	304	129	313	140
279776	2800	281	98.4	285	103	287	106	292	112	295	117	299	122	303	128	312	139	320	150	328	162
299760	3000	299	118	304	125	306	128	309	133	314	139	317	144	320	150	328	162	336	174	344	187
319744	3200	317	141	323	149	326	154	327	157	331	164	335	170	338	175	345	188	352	200	360	214
339728	3400	337	169	341	176	345	182	347	187	349	190	353	198	356	205	362	216	369	231	376	244

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
149880	1500	246	63.7	256	70.4	267	78.1	289	95.1	312	112	332	128	351	144	368	159	383	172	397	185
159872	1600	252	69.8	261	76.5	271	83.8	290	100	313	118	333	137	352	154	370	171	386	187	401	202
169864	1700	259	76.2	268	83.5	276	90.5	294	106	314	124	334	144	353	164	372	182	389	200	404	218
179856	1800	265	82.6	274	90.7	283	98.5	299	114	316	131	335	151	354	172	373	192	390	212	406	232
189848	1900	272	89.2	281	97.9	289	106	305	122	321	139	337	158	355	179	374	201	391	223	407	245
199840	2000	278	95.9	287	105	296	114	312	132	326	148	341	166	357	187	375	210	392	233	408	256
209832	2100	285	103	293	112	302	122	318	141	333	159	346	177	361	197	376	218	393	242	409	266
219824	2200	292	112	300	121	308	130	324	151	339	170	352	189	366	209	380	229	394	252	410	276
229816	2300	299	121	307	130	315	140	331	161	346	182	359	202	371	221	385	242	396	263	412	287
239808	2400	306	130	315	140	322	150	337	170	352	193	366	215	378	235	390	255	403	277	416	300
249800	2500	314	140	322	150	329	161	344	182	358	204	372	227	385	249	397	271	408	292	420	315
259792	2600	321	151	329	161	337	172	351	194	365	216	378	240	391	264	404	287	415	309	426	331
269784	2700	329	162	336	173	344	185	358	206	372	229	385	254	398	278	410	303	421	326	432	349
279776	2800	336	173	344	185	351	197	365	220	378	243	391	266	404	293	416	319	428	344	439	368
289768	2900	343	185	351	198	358	210	372	233	385	257	398	282	411	308	423	335	434	361	445	387
299760	3000	351	199	359	211	366	224	380	248	393	273	405	298	417	323	429	351	440	379	452	406
309752	3100	359	213	366	224	373	238	387	264	400	289	412	314	424	341	435	368	447	397	458	425
319744	3200	367	227	374	240	381	253	394	279	407	306	419	333	431	359	442	386	453	415	464	445
329736	3300	375	242	382	256	388	268	402	297	415	324	426	351	438	378	449	406	460	434	471	465
339728	3400	383	258	390	272	396	286	409	314	422	342	434	369	445	398	456	425	467	455	477	484
349720	3500	391	275	397	289	404	304	417	331	429	361	441	390	452	418	463	447	474	477	---	---
359712	3600	399	292	406	307	412	321	424	350	437	381	448	411	460	439	470	470	480	498	---	---
369704	3700	406	309	414	326	420	340	432	371	444	401	455	432	467	463	478	492	486	523	---	---
379696	3800	415	329	422	345	428	361	440	392	452	422	463	454	474	486	485	516	495	548	---	---
389688	3900	424	350	429	364	436	382	448	413	459	444	471	478	481	509	492	542	502	573	---	---
399680	4000	433	371	438	386	444	403	455	435	467	468	478	501	489	534	500	568	510	600	---	---

Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



SIZE 1087
DOUBLE WIDTH
DOUBLE INLET

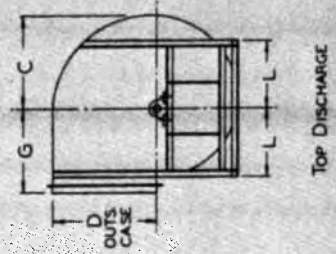
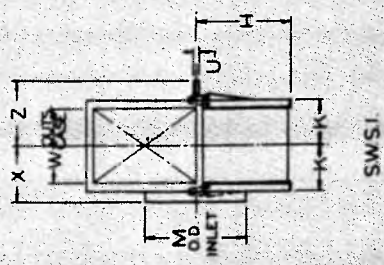
CENTRIFUGAL FAN TYPE **B**

WHEEL DIA. 108 3/4"
OUTLET AREA 122.42 SQ FT
LIMIT LOAD HP = 7533 (RPM/1,000)³

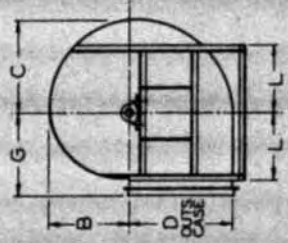
CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
110178	900	101	7.88	111	10.1	120	12.6	128	15.0	135	17.4	143	20.1	151	23.1	168	29.5	183	35.5	197	41.1
116299	950	105	8.71	114	11.0	123	13.6	131	16.3	138	18.7	145	21.3	152	24.2	169	30.8	184	37.5	198	43.7
122420	1000	108	9.60	117	12.1	126	14.7	134	17.5	141	20.2	147	22.8	154	25.5	170	32.1	185	39.3	199	46.0
128541	1050	111	10.5	121	13.2	129	15.9	136	18.7	144	21.7	150	24.4	157	27.2	171	33.5	186	40.8	200	48.3
134662	1100	115	11.6	124	14.4	132	17.1	139	20.0	147	23.1	153	26.1	159	29.0	172	35.1	187	42.4	201	50.2
146904	1200	122	13.9	131	16.9	138	19.9	145	22.9	152	26.1	159	29.6	165	32.9	176	39.1	188	45.9	202	53.8
159146	1300	129	16.5	138	19.8	145	23.1	152	26.4	158	29.7	165	33.1	171	36.8	182	43.9	192	50.7	203	58.1
171388	1400	137	19.6	144	23.1	152	26.6	159	30.2	165	33.7	171	37.2	177	40.8	188	48.9	198	56.4	208	63.7
183630	1500	145	23.0	152	26.8	159	30.5	165	34.3	172	38.1	177	41.9	183	45.6	194	53.8	204	62.3	213	70.2
195872	1600	153	26.9	159	30.7	166	34.8	172	38.7	178	42.8	184	46.9	189	51.0	200	59.2	210	68.2	219	77.1
208114	1700	161	31.4	167	35.4	173	39.6	179	43.8	185	48.1	191	52.4	196	56.6	206	65.2	216	74.2	225	83.9
220356	1800	169	36.3	174	40.4	180	44.7	186	49.2	192	53.6	197	58.4	203	63.0	213	72.0	222	81.2	231	91.0
232598	1900	177	41.5	182	45.7	188	50.4	193	55.3	199	60.1	204	64.6	209	69.6	219	79.1	228	88.7	237	98.7
244840	2000	185	47.3	190	52.1	195	56.9	201	61.7	206	66.6	211	71.8	216	76.7	226	87.0	235	97.0	243	107
257082	2100	194	54.3	199	59.0	203	63.6	208	68.6	213	74.1	218	79.3	223	84.4	232	95.2	241	105	249	116
269324	2200	203	61.8	207	66.3	211	70.8	216	76.5	220	81.8	225	87.4	230	93.0	239	104	248	115	256	126
281566	2300	211	70.0	215	74.0	219	79.4	223	84.9	228	90.1	233	96.2	237	101	246	112	254	125	263	136
293808	2400	220	78.8	222	82.2	227	88.5	231	93.5	235	99.7	240	105	244	111	253	123	261	135	269	147
306050	2500	228	88.3	231	92.1	235	98.1	239	103	243	109	247	115	252	121	260	134	268	146	276	159
318292	2600	237	98.4	240	102	243	108	247	114	251	119	255	126	259	132	267	145	275	158	283	172
342776	2800	254	120	257	126	259	130	264	137	267	143	270	150	274	157	282	170	289	184	296	198
367260	3000	270	145	275	153	277	158	279	163	283	171	285	177	289	184	296	198	304	214	310	229
391744	3200	287	173	292	183	294	189	296	193	299	201	303	209	305	215	312	231	318	245	325	262
416228	3400	305	207	308	216	312	224	313	229	315	233	319	243	322	251	327	265	333	283	339	299

CFM	O. V. FPM	2" SP		2 1/4" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
183630	1500	222	78.0	231	86.3	241	95.7	261	116	281	137	300	158	317	177	332	195	346	211	358	226
195872	1600	228	85.5	236	93.8	244	102	262	122	282	145	301	168	318	189	334	210	349	229	362	247
208114	1700	234	93.3	242	102	249	110	266	130	283	152	302	176	319	200	336	223	351	246	365	267
220356	1800	239	101	248	111	256	120	270	139	286	160	303	185	320	210	337	236	352	260	367	284
232598	1900	245	109	254	119	261	130	275	150	290	170	305	194	321	219	338	247	353	274	368	300
244840	2000	251	117	259	129	267	140	282	161	295	182	308	204	323	229	339	257	354	285	369	314
257082	2100	257	127	265	137	273	150	287	173	301	195	313	218	326	241	340	268	355	297	370	327
269324	2200	264	137	271	148	279	160	293	185	306	209	318	232	331	256	343	281	356	308	371	339
281566	2300	270	148	277	159	285	172	299	197	312	223	325	247	336	270	348	296	360	323	372	352
293808	2400	277	159	284	172	291	183	305	209	318	236	330	263	342	288	352	313	364	340	375	367
306050	2500	284	172	291	184	298	197	311	223	324	251	336	279	348	306	359	332	369	358	380	386
318292	2600	290	185	297	198	304	211	317	237	329	265	342	294	354	324	365	351	375	378	385	406
330534	2700	297	198	304	212	311	225	323	253	336	281	348	311	359	341	370	371	381	400	390	427
342776	2800	304	213	310	227	317	241	330	269	342	298	353	327	365	359	378	391	387	421	397	451
355018	2900	310	227	317	243	324	257	336	286	348	315	360	346	371	377	382	410	392	443	402	474
367260	3000	317	244	324	259	331	274	343	304	355	335	366	365	377	396	388	431	398	464	408	498
379502	3100	325	261	331	275	337	292	350	324	361	354	372	385	383	418	393	451	404	487	414	521
391744	3200	331	278	338	294	344	310	356	343	368	375	379	408	389	439	400	473	410	509	420	545
403986	3300	338	297	345	314	351	329	363	363	375	397	385	430	396	463	406	497	415	531	426	570
416228	3400	346	317	352	333	358	350	370	385	381	419	392	453	402	488	412	521	422	558	431	593
428470	3500	353	337	359	354	365	372	377	406	388	442	399	478	409	513	418	548	428	584	---	---
440712	3600	360	358	366	376	372	394	383	428	395	467	405	504	415	539	425	576	434	611	---	---
452954	3700	367	379	374	399	379	417	391	454	401	492	412	529	422	567	431	603	441	641	---	---
465196	3800	375	403	381	423	387	442	398	480	408	517	418	557	429	596	438	633	447	672	---	---
477438	3900	383	429	388	446	394	468	405	506	415	544	425	585	435	624	445	664	454	702	---	---
489680	4000	391	455	395	473	401	494	411	533	422	574	432	614	442	655	451	696	460	735	---	---

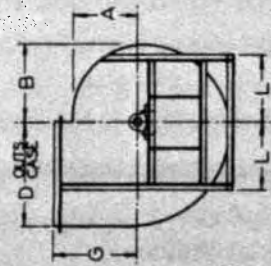
Performance based on air at .075 lb per cu ft density (70F). 29.92" Hg Barometer.
Class II ratings are shown in color-shaded area.



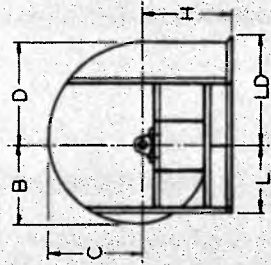
Top Discharge



Bottom Discharge



Up Discharge



Down Discharge

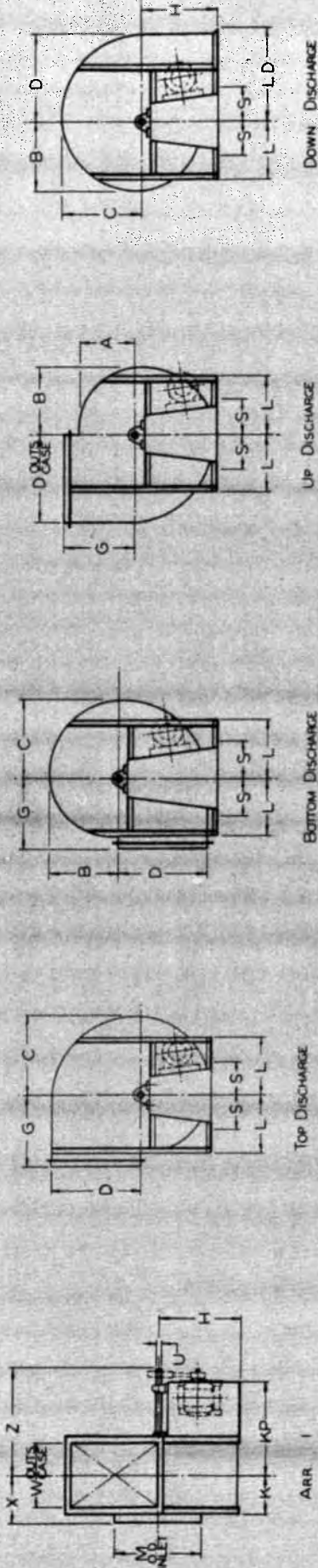
TYPE B S.W.S.I. ARRANGEMENT No. 3

Size	Wheel Dia.	COMMON TO ALL DISCHARGES																	CL. 1		CL. 2	
		A	B	C	D	G	K	L	M	W	X	Z	UP	TOP	BOTT.	DOWN	LD	U				
122	12 1/4	8 1/2	10 1/2	12 1/2	13 3/8	11 1/2	6 3/8	10	16	9 5/8	6 3/8	10 1/2	13 1/2	12	15 1/2	12 1/2	14 7/8	1 1/8	1 1/8			
135	13 1/2	9 1/4	11 1/2	13 3/8	14 3/4	12 1/2	6 3/4	10 3/4	17 1/4	10 1/2	6 3/4	11	15	13	17	13 1/2	16 1/4	1 1/8	1 1/8			
150	15	10 1/4	12 3/4	14 3/4	16 3/8	13 1/2	7 3/8	11 1/2	18 3/4	11 3/4	7 3/8	11 1/2	16 1/4	14 1/4	18 1/2	14 3/4	17 7/8	1 1/8	1 1/8			
165	16 1/2	11 1/4	14	16 1/4	18	14 1/4	8	12 1/4	20 1/4	12 1/2	8	12 3/4	17 3/4	15 1/2	20 1/4	15 1/4	19 1/2	1 1/8	1 1/8			
182	18 1/4	12 1/2	15 1/2	17 3/8	19 7/8	15 1/2	8 5/8	13 3/4	23 1/4	14 1/4	8 5/8	13 1/2	19 1/2	17	22	16 1/2	21 3/8	1 1/8	1 1/8			
200	20	13 3/8	16 1/2	19 3/8	21 3/4	16 1/2	9 1/4	14 3/4	25 1/4	15 1/2	9 1/4	14 1/4	21 1/4	18 1/2	24	17 1/2	23 1/4	1 1/8	1 1/8			
222	22 1/4	15 1/8	18 1/4	21 1/4	24 1/8	17 3/4	10 1/8	15 3/4	27 1/4	17 1/4	10 1/8	15 3/4	23 1/4	20 1/2	26 1/2	18 3/4	25 5/8	1 1/8	1 1/8			
245	24 1/2	16 5/8	20 1/4	24	26 5/8	19	11	17	29 3/4	19	11 1/2	16 3/4	25 1/2	22 1/2	29 1/2	20	28 1/8	1 1/8	1 1/8			
270	27	18 3/8	22 3/4	26 3/8	29 3/8	21	13	20	33 1/4	21	12 1/2	19	27 1/4	24 1/2	32 1/2	22 3/2	31 7/8	1 1/8	1 1/8			
300	30	20 3/8	25 1/4	29 3/8	32 3/8	23	14 1/4	21 1/2	36 1/4	23 3/8	13 3/4	20 1/2	30 1/2	26 1/2	35	24 1/2	35 7/8	1 1/8	1 1/8			
330	33	22 3/8	27 3/4	32 1/4	35 3/8	25	15 5/8	23	39 1/4	25 3/8	14 3/4	22	33 1/2	29	38 1/2	26 1/2	38 3/8	1 1/8	1 1/8			
365	36 1/2	24 3/4	30 3/4	35 3/8	39 3/8	27 1/2	16 3/4	25	42 3/4	28 3/8	16 1/4	23 1/2	37	32	42 1/2	29	42 7/8	1 1/8	1 1/8			
402	40 1/4	27 1/4	33 3/4	39 1/4	43 3/4	30 1/2	19	28	46 3/4	31 1/4	18 3/8	25 1/2	40 1/2	35	47	32	46 3/4	1 1/8	1 1/8			
445	44 1/2	30	37 3/8	43 1/2	48 3/8	33 1/2	20 3/8	30 1/2	51 1/4	34 3/8	19 3/8	28 1/2	44 1/2	38 1/2	51 1/2	35	51 3/8	1 1/8	1 1/8			
490	49	33 1/8	41 1/8	47 3/8	53 1/8	36 1/2	22	33	55 3/4	38	21 1/2	30 1/2	49	42 1/2	56 1/2	38	56 1/8	1 1/8	1 1/8			
542	54 1/4	36 3/8	45 1/2	52 3/8	59	40	24 1/8	35	56 3/4	42 1/8	23 3/4	33	54	47	62	41 1/2	62	1 1/8	1 1/8			
600	60	40 3/8	50 3/8	58 1/8	65 1/8	44 1/2	27 1/4	40	62 1/2	46 1/2	26 1/2	38 1/2	60	52	69	46	69 7/8	1 1/8	1 1/8			
660	66	44 3/8	55 3/8	64 1/4	71 3/8	48 1/2	29 3/8	43	68 1/2	51 1/8	28 3/8	41 1/2	66	57	76	50	75 5/8	1 1/8	1 1/8			
730	73	49 1/4	61 1/4	71 1/4	79 1/4	53	32 3/8	47	76	56 3/8	31 1/2	46 1/2	73	63	83	54 1/2	83 1/4	1 1/8	1 1/8			
807	80 3/4	54 1/2	67 1/4	78 3/8	87 3/8	58 1/2	35 3/8	51	84	62 3/8	34 1/2	50	81	70	92	60	91 5/8	1 1/8	1 1/8			

U	SHAFT KEYWAYS	
	U	KWY.
1 1/8	1/4 x 1/8	1 1/8
1 1/4	1/4 x 1/8	1 1/4
1 1/2	3/8 x 3/8	1 1/2
1 3/4	3/8 x 3/8	1 3/4
2	1/2 x 1/8	2
2 1/4	1/2 x 1/8	2 1/4
2 1/2	5/8 x 3/8	2 1/2
2 3/4	5/8 x 3/8	2 3/4
3	3/4 x 1/8	3
3 1/4	3/4 x 1/8	3 1/4
3 1/2	7/8 x 3/8	3 1/2
3 3/4	7/8 x 3/8	3 3/4
4	1 x 1/4	4

DIMENSION TABLES

TYPE B S.W.S.I. ARRANGEMENT No. 1 and 9



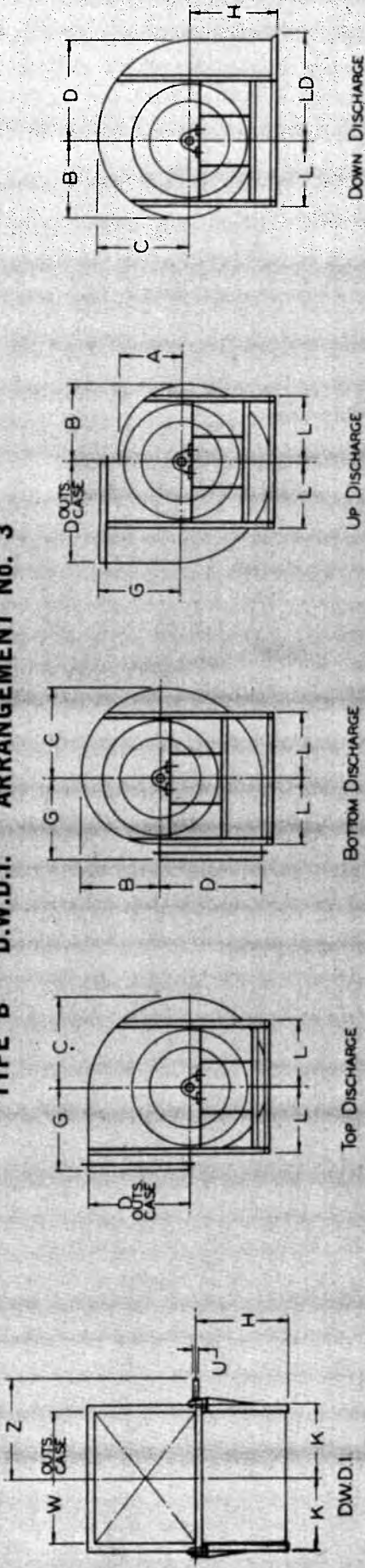
TYPE B S.W.S.I. ARRANGEMENT No. 1 and 9

Size	Wheel Dia.	COMMON TO ALL DISCHARGES																CL. 1		CL. 2				
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
122	12 1/4	8 1/2	10 1/2	12 1/8	13 3/8	11 1/8	6 3/8	16	10	16	5 1/2	9 5/8	6 3/8	19 1/2	13 1/2	12	15 1/2	12 1/2	14 7/8	14 7/8	1 5/8	1 5/8	1 5/8	1 5/8
135	13 1/2	9 1/4	11 1/2	13 3/8	14 3/4	12 1/2	6 3/4	16 3/8	10 3/4	17 1/4	5 1/2	10 1/2	6 3/4	20	15	13	17	13 1/2	16 1/4	16 1/4	1 5/8	1 5/8	1 5/8	1 5/8
150	15	10 1/4	12 3/4	14 3/4	16 3/8	13 1/4	7 3/8	19	11 1/2	18 3/4	6 1/2	11 3/4	7 3/8	22 1/2	16 1/4	14 1/4	18 1/2	14 1/4	17 7/8	17 7/8	1 5/8	1 5/8	1 5/8	1 5/8
165	16 1/2	11 1/4	14	16 1/4	18	14 1/4	8	19 5/8	12 1/4	20 1/4	6 1/2	12 7/8	8	23 1/2	17 3/4	15 1/2	20 1/4	15 1/4	19 1/2	19 1/2	1 5/8	1 5/8	1 5/8	1 5/8
182	18 1/4	12 1/2	15 1/2	17 7/8	19 7/8	15 1/2	8 5/8	22 1/4	13 3/4	23 1/4	6 1/2	14 1/4	9 1/4	27	21 1/4	18 1/2	24	17 1/2	21 3/4	21 3/4	1 5/8	1 5/8	1 5/8	1 5/8
200	20	13 5/8	16 7/8	19 5/8	21 3/4	16 1/2	9 1/4	22 7/8	14 3/4	25 1/4	6 1/2	15 1/2	9 1/4	31	23 1/4	20 1/2	26 1/2	18 3/4	25 3/8	25 3/8	1 5/8	1 5/8	1 5/8	1 5/8
222	22 1/4	15 1/8	18 3/4	21 3/4	24 1/8	17 3/4	10 1/8	26 1/4	15 3/4	27 1/4	7	17 1/4	10 1/8	32	25 1/2	22 1/2	29 1/2	20	28 3/8	28 3/8	1 5/8	1 5/8	1 5/8	1 5/8
245	24 1/2	16 5/8	20 3/4	24	26 5/8	19	11	27 1/8	17	29 3/4	7	19	11 1/2	32	25 1/2	22 1/2	29 1/2	20	28 3/8	28 3/8	1 5/8	1 5/8	1 5/8	1 5/8
270	27	18 3/8	22 3/4	26 3/8	29 3/8	21	13	28 1/2	20	33 1/4	13 3/8	21	12 1/2	34 1/2	27 1/2	24 1/2	32 1/2	22 1/2	31 7/8	31 7/8	1 5/8	1 5/8	1 5/8	1 5/8
300	30	20 3/8	25 1/4	29 3/8	32 5/8	23	14 1/4	29 5/8	21 1/2	36 1/4	15 1/8	23 3/8	13 3/4	35 1/2	30 1/2	26 1/2	35	24 1/2	35 7/8	35 7/8	1 5/8	1 5/8	1 5/8	1 5/8
330	33	22 3/8	27 3/4	32 1/4	35 7/8	25	15 3/8	34 7/8	23	39 1/4	16 3/8	25 5/8	14 7/8	41	33 1/2	29	38 1/2	26 1/2	38 3/8	38 3/8	1 5/8	1 5/8	1 5/8	1 5/8
365	36 1/2	24 3/4	30 3/4	35 5/8	39 5/8	27 1/2	16 3/4	36 1/4	25	42 3/4	19 3/8	28 3/8	16 1/4	42 1/2	37	32	42 1/2	29	42 1/2	42 1/2	1 5/8	1 5/8	1 5/8	1 5/8
402	40 1/4	27 1/4	33 7/8	39 1/4	43 3/4	30 1/2	19	42 5/8	28	46 3/4	20 1/4	31 1/4	18 1/8	49 1/2	40 1/2	35	47	32	46 3/4	46 3/4	1 5/8	1 5/8	1 5/8	1 5/8
445	44 1/2	30	37 3/8	43 1/2	48 3/8	33 1/2	20 3/8	44 3/8	30 1/2	51 1/4	22 3/4	34 5/8	19 7/8	52 1/2	44 1/2	38 1/2	51 1/2	35	51 3/8	51 3/8	1 5/8	1 5/8	1 5/8	1 5/8
490	49	33 3/8	41 1/8	47 3/4	53 1/8	36 1/2	22	53	33	55 3/4	25 1/4	38	21 1/2	61	49	42 1/2	56 1/2	38	56 1/8	56 1/8	1 5/8	1 5/8	1 5/8	1 5/8
542	54 1/4	36 5/8	45 1/2	52 7/8	59	40	24 1/8	55 1/8	35	56 3/4	27 1/4	42 1/8	23 3/4	63	54	47	62	41 1/2	62	62	1 5/8	1 5/8	1 5/8	1 5/8
600	60	40 5/8	50 3/8	58 1/2	65 1/8	44 1/2	27 1/4	62 1/4	40	62 1/2	29 1/2	46 1/2	26 1/2	71 1/2	60	52	69	46	69 1/8	69 1/8	1 5/8	1 5/8	1 5/8	1 5/8
660	66	44 5/8	55 3/8	64 1/4	71 5/8	48 1/2	29 5/8	67 5/8	43	68 1/2	32 1/2	51 1/8	28 3/4	78	66	57	76	50	75 5/8	75 5/8	1 5/8	1 5/8	1 5/8	1 5/8
730	73	49 1/4	61 1/4	71 1/8	79 1/4	53	32 3/8	73 3/8	47	76	36 1/2	56 5/8	31 1/2	85	73	63	83	54 1/2	83 1/4	83 1/4	1 5/8	1 5/8	1 5/8	1 5/8
807	80 3/4	54 1/2	67 3/4	78 5/8	87 5/8	58 1/2	35 3/8	79 3/8	51	84	40 1/2	62 5/8	34 1/2	91	81	70	92	60	91 5/8	91 5/8	1 5/8	1 5/8	1 5/8	1 5/8

U	KWY.
1 5/8	1/4 x 1/8
1 3/4	1/4 x 1/8
1 7/8	3/8 x 3/16
1 5/8	3/8 x 3/16
1 15/16	1/2 x 1/8
2 1/16	1/2 x 1/8
2 1/8	5/8 x 3/16
2 1/4	3/4 x 1/8
2 3/8	7/8 x 3/16
2 1/2	1 x 1/4

DIMENSION TABLES

TYPE B D.W.D.I. ARRANGEMENT No. 3

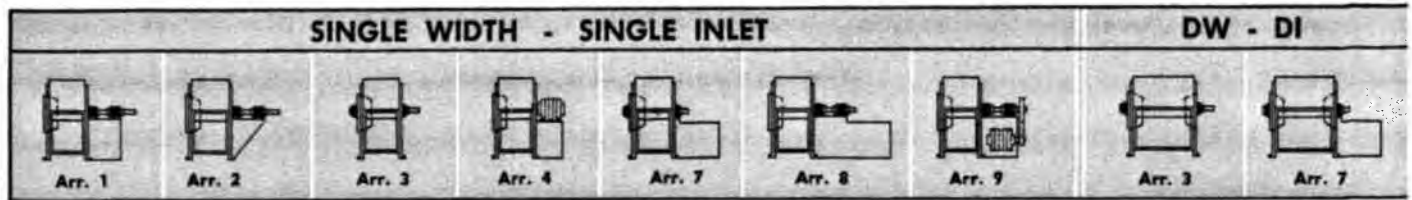


TYPE B D.W.D.I. ARRANGEMENT No. 3

Size	Wheel Dia.	COMMON TO ALL DISCHARGES													CL. 1		CL. 2	
		A	B	C	D	G	K	L	W	Z	UP	TOP	H	BOTT. DOWN	LD	U		
122	12 1/2	8 1/2	10 1/2	12 1/8	13 3/8	11 1/2	10 7/8	17 1/4	15 1/2	13 1/2	12	15 1/2	12 1/2	14 7/8	1 3/16	1 1/16		
135	13 1/2	9 1/4	11 1/2	13 3/8	14 3/4	12 1/2	11	10 3/4	16 1/4	15	13	17	13 1/2	16 1/4	1 1/16	1 1/16		
150	15	10 1/4	12 3/4	14 3/8	16 3/8	13 1/4	12	11 1/2	17 1/4	16 1/4	14 1/4	18 1/2	14 1/4	17 7/8	1 1/16	1 1/16		
165	16 1/2	11 1/4	14	16 1/4	18	14 1/4	13 1/8	23 3/8	19 1/4	17 3/4	15 1/2	20 1/4	15 1/4	19 1/2	1 1/16	1 1/16		
182	18 1/4	12 1/2	15 1/2	17 7/8	19 7/8	15 1/2	14 1/4	25 1/2	20 1/2	19 1/2	17	22	16 1/2	21 3/8	1 1/16	1 1/16		
200	20	13 5/8	16 7/8	19 5/8	21 3/4	16 1/2	15 1/2	28	22	21 1/4	18 1/2	24	17 1/2	23 1/4	1 1/16	1 1/16		
222	22 1/4	15 1/8	18 3/4	21 3/4	24 1/8	17 3/4	17	34 1/4	26	25 1/2	20 1/2	26 1/2	18 3/4	25 5/8	1 1/16	1 1/16		
245	24 1/2	16 5/8	20 3/4	24	26 5/8	19	18 5/8	37	29	27 1/2	22 1/2	29 1/2	20	28 1/8	2 3/16	2 3/16		
270	27	18 3/8	22 3/4	26 3/8	29 3/8	21	21 3/8	42	31 1/2	30 1/2	24 1/2	32 1/2	22 1/2	31 7/8	2 3/16	2 3/16		
300	30	20 3/8	25 1/4	29 3/8	32 5/8	23	23 1/2	46 1/8	37	33 1/2	29	38 1/2	26 1/2	35 1/8	2 3/16	2 3/16		
330	33	22 3/8	27 3/4	32 1/4	35 7/8	25	25 5/8	51	42	37	32	42 1/2	29	38 3/8	2 3/16	2 3/16		
365	36 1/2	24 3/4	30 3/4	35 5/8	39 5/8	27 1/2	28	56 1/4	46	40 1/2	35	47	32	46 3/4	2 3/16	2 3/16		
402	40 1/4	27 1/4	33 7/8	39 1/4	43 3/4	30 1/2	31 1/8	62 1/8	49	44 1/2	38 1/2	51 1/2	35	51 3/8	3 1/16	3 1/16		
445	44 1/2	30	37 3/8	43 1/2	48 3/8	33 1/2	34 1/8	68 1/2	53	49	42 1/2	56 1/2	38	56 1/8	3 1/16	3 1/16		
490	49	33 1/8	41 1/8	47 3/4	53 1/8	36 1/2	37 1/4	75 3/4	58 1/2	54	47	62	41 1/2	62	3 1/16	3 1/16		
542	54 1/4	36 5/8	45 1/2	52 7/8	59	40	40 7/8	83 3/4	64	60	52	69	46	69 1/8	3 1/16	3 1/16		
600	60	40 5/8	50 3/8	58 1/2	65 1/8	44 1/2	45 7/8	92	70 1/2	66	57	76	50	75 5/8	3 1/16	3 1/16		
660	66	44 5/8	55 3/8	64 1/4	71 5/8	48 1/2	50	102	77	73	63	83	54 1/2	83 1/4	3 1/16	3 1/16		
730	73	49 1/4	61 1/4	71 1/8	79 1/4	53	55	112 3/4	81	81	70	92	60	91 5/8	3 1/16	3 1/16		
807	80 3/4	54 1/2	67 3/4	78 5/8	87 5/8	58 1/2	60 3/8											

SHAFT KEYWAYS	
U	KWY.
1 3/16	1/4 x 1/8
1 1/16	3/8 x 3/16
1 1/16	3/8 x 3/16
1 1/16	1/2 x 1/8
2 3/16	1/2 x 1/8
2 1/16	5/8 x 3/16
3 3/16	3/4 x 1/8
3 1/16	7/8 x 3/16
3 1/16	1 x 1/4
5 3/16	1 1/4 x 1/4

STANDARD ARRANGEMENTS

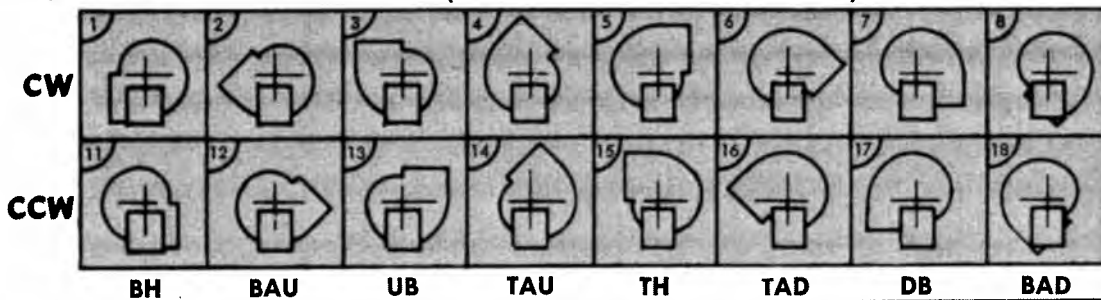


WEIGHTS

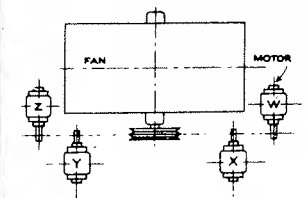
SIZE	SINGLE WIDTH														DOUBLE WIDTH			
	Arr. 1 Class		Arr. 2 Class		Arr. 3 Class		Arr. 4 Class		Arr. 7 Class		Arr. 8 Class		Arr. 9 Class		Arr. 3 Class		Arr. 7 Class	
	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
122	160	170	140	130	150	160	180	200	230	230	270	200	230	160	220	230	290	
135	180	220	180	150	180	190	220	240	270	270	350	230	270	200	250	270	330	
150	220	270	200	190	220	210	260	290	340	320	420	280	320	230	270	290	370	
165	260	320	220	230	270	240	290	340	400	380	470	320	370	260	320	380	450	
182	310	380	260	270	320	290	370	380	400	470	530	400	440	330	390	440	510	
200	390	430	370	340	370	360	430	460	540	540	660	450	520	400	470	520	620	
222	490	570	430	420	460	460	530	500	650	640	780	540	650	520	650	640	780	
245	620	730	550	510	570	500	630	680	770	780	880	660	760	670	790	810	920	
270	740	880	610	600	680	670	790	780	930	930	1020	780	910	780	980	980	1180	
300	950	1080		780	870	820	970	960	1100	1180	1310	950	1090	1100	1260	1310	1500	
330	1160	1290		970	1070	1040	1150	1160	1330	1410	1570	1160	1300	1260	1580	1500	1860	
365	1340	1550		1090	1270	1210	1340	1350	1580	1640	1900	1350	1580	1500	1900	1800	2100	
402	1630	1950		1300	1580			1720	2060	2190	2400	1650	2000	2000	2500	2500	3000	
445	2030	2440		1650	1960			2240	2580	2500	3000	2040	2500	2550	3250	2950	3880	
490	2550	3030		2090	2450			2680	3190	3150	3800	2570	3050	3200	4100	3850	4700	
542	3330	3650		2500	3070			3200	4000	3950	4600	3340	3700	3900	4800	4750	5950	
600	4010	4660		3150	3800			4000	4900	4860	5600	4000	4700	4900	6000	5900	7300	
660	4810	5810		3950	4800			5150	6150	6110	6800	4850	5900	6500	7700	7450	8800	
730	6160	7260		5000	5850			6160	7360	7850	8800	6250	7300	8100	9650	9000	10800	
807	8270	9520		6510	8060			8560	10100	10700	12000	8350	9600	10500	15000	12800	16500	
890	11100	12150		8570	10700			11700	13750	13000	16000	11500	12500	13500	18500	15800	19800	
982	14200	15600		11600	13700			15000	17600	16600	20500	14700	16000	17300	24000	20400	25600	

These weights are approximately correct and may be used to calculate vibration isolators and shipping weights.

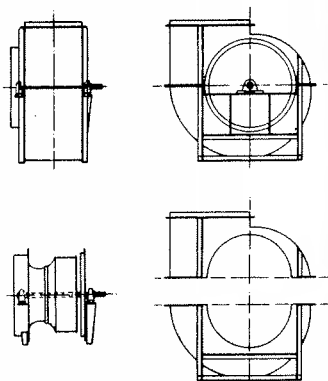
ROTATION AND DISCHARGE (FROM NORMAL DRIVE SIDE)



STANDARD MOTOR POSITIONS



BUILDING OPENINGS REQUIRED FOR ARR. 3 FANS HAVING SPLIT HOUSINGS



Fan Size	SINGLE WIDTH			DOUBLE WIDTH		
	Assembled	Upper Case Removed	Upper Case and Rotor Removed	Assembled	Upper Case Removed	Upper Case and Rotor Removed
490	52 x 100	52 x 88	48 x 60	86 x 100	86 x 88	80 x 60
542	56 x 110	56 x 95	54 x 66	95 x 110	95 x 95	87 x 66
600	62 x 126	62 x 108	58 x 74	106 x 126	106 x 108	98 x 74
660	68 x 136	68 x 117	62 x 80	115 x 136	115 x 117	105 x 80
730	74 x 150	74 x 130	68 x 88	124 x 150	124 x 130	114 x 88
807	82 x 166	82 x 143	74 x 98	138 x 166	138 x 143	124 x 98
890	99 x 182	99 x 150	81 x 111	156 x 182	156 x 150	135 x 111
982	108 x 201	108 x 165	91 x 122	169 x 201	169 x 165	151 x 122

Openings specified above are those required to pass the largest portion of a Top or Bottom Horizontal Discharge Fan.

Up and Down Discharge Fans require building openings somewhat smaller in size.

Arr. 1 Fan Openings required will be larger than for Arr. 3 Fans in the case of an assembled or partially assembled fan.

PROPERTIES OF AIR

DRY AIR			SATURATED AIR			
Temp (F)	Wt lb per cu ft	Vol cu ft per lb	Total Wt lb per cu ft	Wt of Dry Air lb per cu ft	Wt of Moisture lb per cu ft	Vol cu ft per lb Dry Air *
-20	.0903	11.08	.09027	.09025	.000024	11.07
-15	.0893	11.20	.08926	.08922	.000031	11.21
-10	.0883	11.33	.08824	.08820	.000041	11.34
-5	.0873	11.45	.08732	.08723	.000053	11.46
0	.0863	11.58	.08632	.08625	.000068	11.59
5	.0854	11.71	.08542	.08529	.000087	11.72
10	.0845	11.83	.08445	.08434	.000110	11.85
15	.0836	11.96	.08363	.08340	.000140	11.99
20	.0827	12.09	.08264	.08247	.000176	12.12
25	.0819	12.11	.08192	.08156	.000222	12.26
30	.0811	12.34	.08090	.08063	.000277	12.40
35	.0803	12.46	.08025	.07070	.000339	12.54
40	.0795	12.59	.07921	.07880	.000409	12.69
45	.0787	12.71	.07866	.07788	.000491	12.84
50	.0778	12.84	.07753	.07694	.000587	12.99
52	.0776	12.89	.07720	.07657	.000632	13.06
54	.0773	12.94	.07687	.07620	.000675	13.12
56	.0770	12.99	.07654	.07582	.000723	13.19
58	.0767	13.04	.07622	.07544	.000755	13.25
60	.0764	13.09	.07589	.07506	.000829	13.32
62	.0761	13.14	.07610	.07468	.000886	13.39
64	.0758	13.19	.07580	.07429	.000947	13.46
66	.0755	13.24	.07552	.07390	.001012	13.53
68	.0752	13.29	.07524	.07350	.001080	13.60
70	.0749	13.34	.07425	.07310	.001152	13.68

*—Based on one pound of dry air plus moisture required for saturation.

DRY AIR			SATURATED AIR			
Temp (F)	Wt lb per cu ft	Vol cu ft per lb	Total Wt lb per cu ft	Wt of Dry Air lb per cu ft	Wt of Moisture lb per cu ft	Vol cu ft per lb Dry Air *
72	.0747	13.39	.07393	.07270	.00123	13.75
74	.0744	13.44	.07360	.07229	.00131	13.83
76	.0741	13.49	.07328	.07188	.00139	13.91
78	.0738	13.54	.07293	.07144	.00148	13.99
80	.0736	13.59	.07262	.07104	.00158	14.08
82	.0733	13.64	.07227	.07059	.00168	14.16
84	.0730	13.70	.07193	.07015	.00178	14.25
86	.0727	13.75	.07160	.06971	.00190	14.34
88	.0725	13.80	.07126	.06925	.00201	14.44
90	.0722	13.85	.07094	.06880	.00214	14.53
92	.0719	13.90	.07058	.06832	.00227	14.63
94	.0717	13.95	.07025	.06785	.00240	14.73
96	.0714	14.00	.06991	.06736	.00255	14.84
98	.0712	14.05	.06957	.06688	.00269	14.95
100	.0709	14.10	.06919	.06634	.00285	15.07
110	.0697	14.35	.06741	.06364	.00377	15.71
120	.0685	14.60	.06552	.0606	.00492	16.50
130	.0673	14.86	.06349	.0571	.00636	17.49
140	.0661	15.11	.06132	.0532	.00813	18.79
150	.0651	15.36	.05895	.0486	.01030	20.55
160	.0640	15.61	.05634	.0434	.01294	23.03
170	.0630	15.86	.05346	.0373	.01612	26.77
180	.0621	16.11	.05036	.0303	.01991	32.94
190	.0611	16.37	.04667	.0223	.02439	44.85
200	.0602	16.62	.04270	.0130	.02973	77.11

*—Based on one pound of dry air plus moisture required for saturation.

DENSITY CORRECTION FACTORS FOR TEMPERATURE AND ELEVATION

ELEVATION IN FEET ABOVE SEA LEVEL

AIR TEMP.	SEA LEVEL	1000	1500	2000	2500	3000	4000	5000	6000	7000	8000	9000	10000
BAROMETRIC PRESSURE IN INCHES OF MERCURY													
°F	29.92	28.85	28.33	27.82	27.31	26.81	25.84	24.89	23.98	23.09	22.12	21.38	20.54
-30	1.234	1.191	1.170	1.15	1.128	1.105	1.066	1.028	.987	.956	.914	.883	.847
0	1.152	1.11	1.092	1.072	1.052	1.033	.950	.957	.922	.894	.852	.823	.791
30	1.082	1.043	1.024	1.005	.990	.970	.934	.900	.865	.838	.800	.774	.742
70	1.000	.964	.947	.930	.913	.896	.864	.832	.799	.774	.739	.715	.687
100	.946	.912	.895	.878	.863	.847	.816	.785	.755	.732	.698	.675	.649
150	.869	.838	.824	.807	.793	.779	.750	.722	.695	.672	.642	.622	.596
200	.803	.775	.760	.747	.733	.720	.693	.667	.642	.622	.593	.574	.552
250	.747	.720	.707	.695	.682	.670	.645	.622	.597	.578	.552	.535	.512
300	.697	.672	.660	.647	.636	.625	.602	.579	.557	.540	.515	.498	.478
350	.654	.630	.620	.608	.597	.586	.564	.543	.522	.507	.483	.467	.449
400	.616	.594	.583	.572	.562	.552	.532	.512	.482	.477	.455	.440	.423
500	.553	.534	.524	.514	.505	.496	.478	.460	.442	.428	.409	.396	.380
600	.500	.482	.474	.465	.456	.448	.432	.416	.400	.387	.370	.358	.344
700	.457	.441	.433	.425	.417	.410	.395	.380	.366	.354	.338	.327	.314

MOST COMMONLY USED FAN LAWS

Fan laws apply only to fans which are geometrically similar and only to the same point of rating on the fan curve. The fan laws below cannot be applied unless these two conditions are fulfilled—

1. For the same size fan:
Capacity varies directly as the speed.
Pressure varies as the square of the speed.
Power varies as the cube of the speed.
2. For a fan of same type but different size:
Capacity varies as cube of size.
Pressure varies as square of size.
Power varies of fifth power of size.
3. For the same outlet velocity and same static pressure:
Capacity varies as square of size.
Speed varies inversely as size.
Power varies as square of size.
4. For variations in gas density:
Capacity remains constant.
Pressure varies directly as density.
Power varies directly as density.

SHELDONS

CENTRIFUGAL FANS



TYPE "F"
Forward Curved
Wheel



TYPE "A"
Airfoil Wheel



TYPE "B"
Backward
Inclined Wheel

Illustrated are the three types of wheels available with Sheldon Centrifugal Fans. For complete information on Sheldons Type "A" and Type "F" Fans, contact the nearest Sheldons representative.



SHELDONS ENGINEERING LIMITED

Galt, Ontario; Montreal, Toronto, Hamilton, London, Ottawa, Calgary, Vancouver

Representatives in principal cities across Canada

Sheldons Manufacturing Corporation, Elgin, Illinois