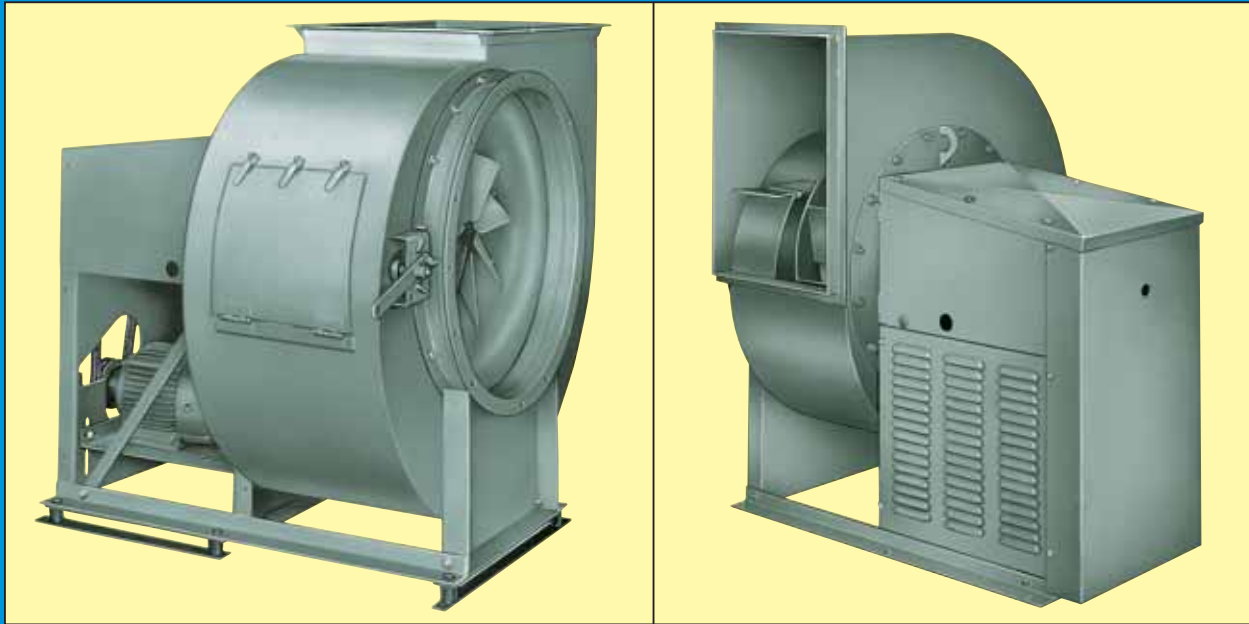


# GENERAL PURPOSE PACKAGED FANS



## GENERAL PURPOSE FAN

- Capacities to 26,500 CFM
- Static pressures to 8" WG
- Temperatures to 650°F.

GP Fans available with choice of AcoustaFoil, BC, or PLR wheel.



ACOUSTAFOIL®



BC



PLR



THE NEW YORK BLOWER COMPANY  
7660 Quincy Street  
Willowbrook, IL 60527-5530

Visit us on the Web: <http://www.nyb.com>  
Phone: (800) 208-7918 Email: [nyb@nyb.com](mailto:nyb@nyb.com)

## GENERAL PURPOSE FANS



### DESIGN FEATURES

- 10 sizes: 12" through 36" wheel diameters.
- Capacities to 26,500 CFM.
- Pressures to 8"WG.
- Temperatures to 650°F.
- Choice of AcoustaFoil, BC, or PLR wheels.
- Available in clockwise and counterclockwise rotations in any of seven standard discharge positions.
- Continuously welded housings provide the strongest possible construction.
- All AcoustaFoil, BC, and PLR wheels are dynamically balanced and all fans checked at the specified running speed after final assembly.
- Base is designed to allow easy installation and maintenance of motor, drive, and bearings.
- Lifting eyes standard on all fans.
- All sizes are rotatable: Sizes 12 and 15 in 45° increments, Sizes 18 through 36 in 22½° increments.



**AMCA air performance**—The New York Blower Company certifies that the General Purpose Fans with AcoustaFoil or PLR wheels only, shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

## ACCESSORIES

### FLANGED OUTLET

Welded flush with outlet and provided with holes. Outlet companion flanges with matching holes also available.

### FLANGED INLET

Angle ring welded to inlet collar and provided with holes. Inlet companion flanges with matching holes also available.

### CLEANOUT DOOR

Two types available—quick opening [shown]: gasketed, hinged door opens after turning cam levers. Bolted: closely spaced studs keep gasketed door securely sealed. Standard door location is 3 o'clock or 9 o'clock opposite the fan discharge.

### DRAIN

1" welded tank flange on Sizes 12 and 15 General Purpose Fans, and 1½" on Sizes 18 through 36 General Purpose Fans located at lowest point of housing scroll.

### VIBRATION ISOLATION

Spring-type [shown] or rubber-in-shear isolation rails . . . minimize the transmission of vibration to surrounding structures. Flexible inlet/outlet connections are required.

### INTERNAL INLET DAMPERS

Available on Size 18 and larger [shown]. . . allows smooth volume control in systems that require dampening of airflow. The space-saving damper/integral inlet cone assembly simplifies installation. Furnished with quick-opening cleanout door to provide access to linkage components. Control arm is located on inlet side on horizontal centerline opposite the fan discharge.

### OUTLET SHUTTERS

For all discharges except Angular Down and Down Blast . . . available for automatic or motorized operation . . . heavy-duty outlet shutter blades have die-formed edges for quiet, weatherproof operation at temperatures to 200°F.

### SHAFT SEALS

Multiple, compressed ceramic-felt seal elements available on General Purpose Fans Size 15 and larger. Lubricated lip seals [Buna N, Teflon®, and Viton®] also available on Size 22 and larger General Purpose Fans.

[Teflon and Viton are registered trademarks of DuPont and DuPont Dow Elastomers, respectively.]

### POSITIVE SCREW ADJUSTMENT

Two threaded rods provide easy motor platform/V-belt adjustment. Available on all sizes of General Purpose Fans.

### OUTLET DAMPERS

Parallel or opposed-blade outlet dampers are available for volume-control applications for temperatures to 650°F.

# MODIFICATIONS

## SPARK-RESISTANT CONSTRUCTION [SRC]

Intended to minimize the potential of fan components to generate sparks within the airstream by rubbing or striking during operation. The following types are available:

**AMCA A (AIRSTREAM-TYPE) SRC**—all airstream parts constructed of spark-resistant alloy . . . maximum temperature 200°F.

**AMCA B (WHEEL-TYPE) SRC**—fan wheel constructed of spark-resistant alloy and a buffer plate around the housing shaft-hole opening . . . maximum temperature 200°F.

**AMCA C (BUFFER-TYPE) SRC**—spark-resistant alloy buffer affixed to the housing interior adjacent to the wheel backplate, spark-resistant alloy inlet cone and a buffer plate around the housing shaft-hole opening . . . maximum temperature 650°F.

## WEATHER COVER/BELT GUARD

Completely encloses the motor/drive assembly for protection, but can be easily removed for inspection and maintenance. Louvered panels provide ample motor ventilation.

## HEAT-FAN CONSTRUCTION

Sizes 12 and 15 General Purpose Fans with aluminum AcoustaFoil wheels have a maximum operating temperature of 200°F. Sizes 18 through 36 General Purpose Fans with AcoustaFoil wheels and all General Purpose Fans with BC and PLR wheels can be modified to handle airstream temperatures to 650°F. . . . air temperature surrounding the bearings must not exceed 120°F. or the motor's rated ambient temperature.

## HANDLING CORROSIVES

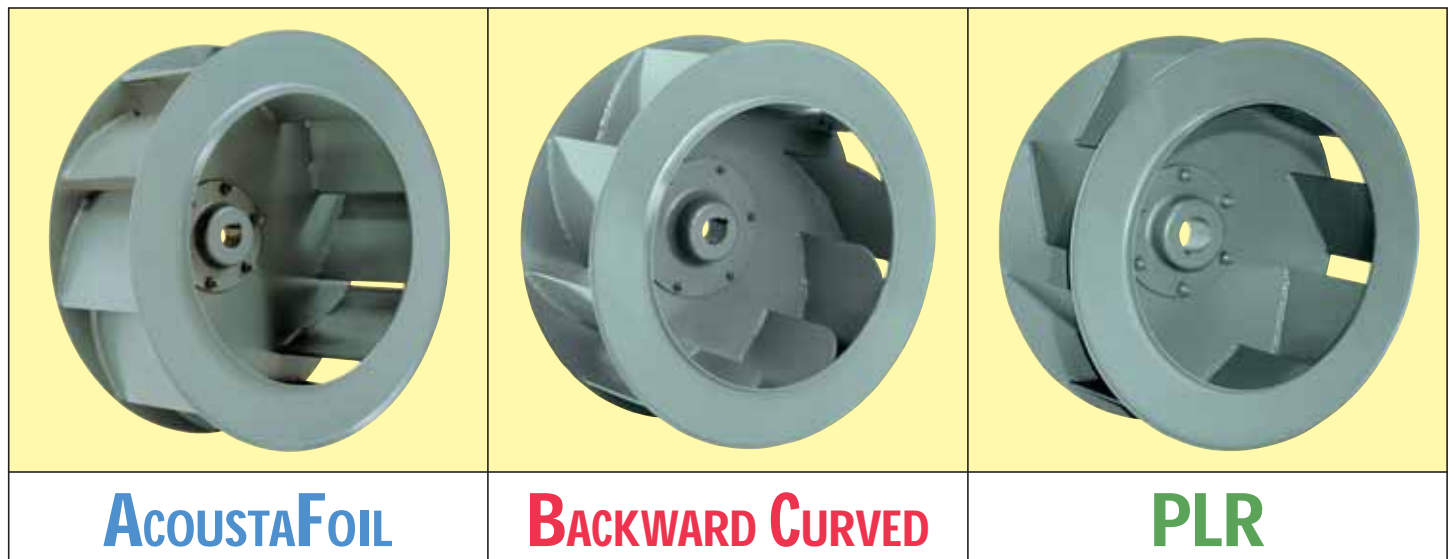
Protective coatings and special alloys are available to combat corrosion problems. Thin film coatings [up to 12 mil thickness]—special paints and spray coatings are available under a variety of trade names. **nyb** works with experienced coating applicators who can apply coatings to meet a wide range of requirements. General Purpose Fans can be constructed of aluminum or various stainless steels.

## SAFETY EQUIPMENT

Weather covers/belt guards, inlet guards, and outlet guards are available. Safety accessories are available from **nyb**, but the selection of the appropriate devices is the responsibility of the system-designer who is familiar with the particular installation, or application, and can provide for guards for all exposed moving parts as well as protection from access to high-velocity airstreams. Neither **nyb** nor its sales representatives is in a position to make such a determination. Users and/or installers should read "Recommended Safety Practices for Air Moving Devices" as published by the Air Movement and Control Association International, Arlington Heights, Illinois.

## CHOICE OF 3 WHEEL DESIGNS

Three wheel designs provide the widest choice in application suitability, efficiency, sound, and cost. All three feature the backward-inclined, non-overloading horsepower characteristic where the horsepower reaches a peak and then decreases even as flow increases. This characteristic allows maximum brake horsepower calculation and motor selection that prevents electrical system overloading even if system pressure changes.



# How to Use Capacity Tables

The performance data provided on pages 5 through 9 are based on standard air, [.075 pounds per cubic foot, 70°F. at sea level]. For a given fan size, wheel design, CFM, and static pressure, the capacity tables can be used to obtain outlet velocity, wheel RPM, and fan BHP. If altitudes or temperatures other than standard are involved, multiply the required SP [static pressure] by the appropriate factors in Chart II and Chart III. Always check the operating speed with the maximum safe speeds found on page 5, and as corrected in Chart I.

PROCEDURE	STEPS	EXAMPLE
Determine capacity requirements and select proper fan size.	<b>1</b>	Size 18 General Purpose Fan with PLR wheel to furnish 5700 CFM at 3.2"SP at 200°F.
If temperature or altitude is involved, multiply desired SP by appropriate factor.	<b>2</b>	Correction factor for 200°F. = 1.25 1.25 x 3.2"SP = 4"SP
Obtain fan RPM and BHP from capacity tables for standard conditions.	<b>3</b>	For a Size 18 General Purpose Fan with PLR wheel to furnish 5700 CFM at 4"SP at 70°F., capacity tables show 2152 RPM and 5.6 BHP.
Divide the SP and BHP obtained in step 3 by the factor used in step 2 to determine requirements at conditions.	<b>4</b>	4"SP/1.25 = 3.2"SP at 200°F. 5.6 BHP/1.25 = 4.5 BHP at 200°F.
Check required RPM against maximum safe speeds shown on page 5. If temperature other than 70°F. is involved, use Chart I to calculate safe speed at temperature.	<b>5</b>	Required RPM = 2152 Maximum safe speed at 200°F. = 2653 RPM. [2735 x .97]

CHART I TEMPERATURE CORRECTION FACTORS FOR MAXIMUM SAFE SPEEDS					
Air-stream temp. °F.	Materials of construction				
	Steel†	Aluminum	304 SST*	316 SST*	347 SST*
-50°	1.00	1.00	1.00	1.00	1.00
70°	1.00	1.00	1.00	1.00	1.00
200°	.97	.98	.88	.95	.95
300°	.95	—	.82	.92	.93
400°	.94	—	.78	.89	.90
500°	.93	—	.75	.86	.90
600°	.92	—	.73	.84	.90
650°	.89	—	.71	.82	.90

† Except Sizes 12 and 15 AcoustaFoil wheels which are aluminum as standard.

\* PLR wheels only.

CHART II TEMPERATURE CORRECTION FACTORS (°F.)	
Temp. °F.	Factor
-50°	.77
-25°	.82
0°	.87
20°	.91
40°	.94
60°	.98
70°	1.00
80°	1.02
100°	1.06
120°	1.09
140°	1.13
160°	1.17
180°	1.21
200°	1.25
225°	1.29
250°	1.34
275°	1.39
300°	1.43
325°	1.48
350°	1.53
375°	1.58
400°	1.62
450°	1.72
500°	1.81
550°	1.91
600°	2.00
650°	2.10

CHART III CORRECTION FACTORS FOR ALTITUDE [feet above sea level]	
Alt.	Factor
0	1.00
500	1.02
1000	1.04
2000	1.06
2500	1.10
3000	1.12
3500	1.14
4000	1.16
4500	1.18
5000	1.20
5500	1.22
6000	1.25
6500	1.27
7000	1.30
7500	1.32
8000	1.35
8500	1.37
9000	1.40
10000	1.45

NOTE: If both temperature and altitude are involved, multiply factors together:  
3000 ft. at 200°F. = 1.40 [1.12x1.25]

# PERFORMANCE SPECIFICATIONS

Fan size	Maximum safe speed [RPM]			Wheel diameter [inches]	Fan outlet area [sq. ft.]
	AcF	BC	PLR		
12	4900	NA	4270	12 <sup>1</sup> / <sub>4</sub>	0.86
15	3800	NA	3360	15	1.29
18	3005	2735	2735	18 <sup>1</sup> / <sub>4</sub>	1.92
20	2780	2510	2510	20 <sup>1</sup> / <sub>8</sub>	2.34
22	2570	2305	2305	22 <sup>1</sup> / <sub>4</sub>	2.85
24	2335	2090	2090	24 <sup>1</sup> / <sub>2</sub>	3.45
27	2010	1850	1850	27	4.19
30	1805	1665	1665	30	5.17
33	1650	1515	1515	33	6.26
36	1450	1360	1360	36 <sup>1</sup> / <sub>2</sub>	7.66

NA - Not Available

## PERFORMANCE FOR GENERAL PURPOSE FANS

SIZE  12  ACOUSTAFOIL	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
			700	814	1208	0.09	1494	0.17	2049	0.40	2491	0.67	2874	0.98	3217	1.32	3520	1.68	3810	2.08
1050	1221	1507	0.17	1754	0.28	2150	0.52	2520	0.80	2899	1.16	3230	1.53	3534	1.94	3806	2.36	4060	2.80	
1400	1628	1855	0.29	2051	0.43	2412	0.72	2712	1.04	2986	1.38	3265	1.76	3557	2.21	3842	2.70	4087	3.16	
1750	2035	2225	0.47	2388	0.63	2696	0.99	2984	1.36	3233	1.76	3465	2.17	3682	2.59	3898	3.04	4131	3.56	
2100	2442	2607	0.72	2748	0.92	3013	1.32	3267	1.77	3509	2.21	3730	2.68	3923	3.14	4120	3.65	4303	4.15	
2450	2849	2996	1.07	3121	1.29	3356	1.76	3573	2.24	3795	2.78	4006	3.29	4204	3.82	4381	4.35	4552	4.91	
2800	3256	3389	1.51	3499	1.77	3710	2.29	3910	2.83	4106	3.41	4297	4.02	4485	4.60	4666	5.20	4824	5.77	
3150	3663	3786	2.07	3886	2.36	4075	2.94	4256	3.53	4433	4.15	4609	4.82	4771	5.48					

SIZE  12  PLR	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
			900	1047	1202	0.12	1457	0.21	1912	0.44	2305	0.73	2662	1.07						
1200	1395	1439	0.20	1646	0.31	2021	0.56	2364	0.86	2690	1.21	2977	1.58	3250	2.00	3514	2.47	3750	2.94	
1500	1744	1699	0.32	1874	0.45	2194	0.74	2494	1.06	2773	1.42	3049	1.82	3300	2.25	3547	2.72	3779	3.22	
1800	2093	1967	0.48	2123	0.64	2405	0.97	2663	1.32	2918	1.71	3151	2.11	3390	2.57	3609	3.04	3815	3.52	
2100	2442	2244	0.70	2384	0.88	2635	1.26	2868	1.65	3094	2.07	3306	2.50	3520	2.98	3722	3.47	3912	3.97	
2400	2791	2525	0.98	2652	1.19	2879	1.61	3091	2.04	3296	2.50	3488	2.97	3678	3.46	3869	3.99	4049	4.52	
2700	3140	2809	1.33	2924	1.56	3134	2.04	3329	2.51	3515	3.01	3692	3.51	3870	4.05	4040	4.60	4212	5.18	
3000	3488	3096	1.76	3202	2.02	3398	2.55	3576	3.07	3746	3.60	3913	4.16	4075	4.72	4234	5.31			

SIZE  15  ACOUSTAFOIL	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
			1200	930	1047	0.15	1275	0.28	1655	0.59	1984	0.96	2272	1.37	2535	1.82	2775	2.31	3003	2.83
1600	1240	1240	0.24	1438	0.40	1769	0.76	2059	1.17	2324	1.62	2566	2.11	2788	2.62	3006	3.19	3210	3.78	
2000	1550	1447	0.36	1621	0.55	1921	0.97	2181	1.42	2415	1.91	2636	2.43	2849	3.00	3054	3.61	3237	4.21	
2400	1860	1665	0.52	1823	0.75	2095	1.23	2329	1.73	2549	2.28	2748	2.83	2945	3.45	3135	4.10	3307	4.74	
2800	2171	1888	0.74	2031	0.99	2280	1.53	2501	2.10	2704	2.70	2896	3.34	3072	3.97	3245	4.66	3411	5.37	
3200	2481	2117	1.01	2247	1.30	2477	1.90	2685	2.54	2876	3.20	3048	3.86	3220	4.58	3383	5.32	3539	6.08	
3600	2791	2350	1.36	2468	1.68	2682	2.34	2875	3.03	3056	3.76	3221	4.49	3381	5.26	3536	6.06	3678	6.83	
4000	3101	2585	1.79	2693	2.14	2892	2.86	3074	3.62	3247	4.42	3404	5.20	3552	6.01	3696	6.84			

SIZE  15  PLR	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
			1200	930	924	0.15	1151	0.28	1544	0.63	1867	1.04	2153	1.54	2407	2.11				
1600	1240	1090	0.24	1271	0.40	1604	0.76	1905	1.21	2174	1.72	2423	2.30	2637	2.90	2859	3.62	3048	4.32	
2000	1550	1273	0.38	1429	0.56	1710	0.96	1975	1.43	2220	1.95	2450	2.54	2667	3.18	2863	3.85	3061	4.62	
2400	1860	1464	0.56	1602	0.77	1848	1.22	2080	1.72	2298	2.27	2514	2.89	2711	3.53	2900	4.23	3083	4.98	
2800	2171	1657	0.79	1786	1.04	2009	1.55	2215	2.09	2410	2.67	2601	3.31	2779	3.97	2958	4.69	3131	5.46	
3200	2481	1852	1.08	1977	1.38	2178	1.94	2364	2.54	2542	3.16	2718	3.84	2886	4.55	3052	5.31	3213	6.11	
3600	2791	2049	1.45	2170	1.79	2358	2.42	2532	3.08	2698	3.77	2852	4.47	3007	5.22	3159	6.00	3304	6.80	
4000	3101	2246	1.88	2364	2.28	2546	3.00	2705	3.71	2856	4.44	3003	5.20	3142	5.98	3283	6.80			

Performance certified is for installation type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).



# PERFORMANCE FOR GENERAL PURPOSE FANS

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
18 ACOUSTAFOIL	2300	1198	941	0.31	1092	0.52	1365	1.01	1614	1.59	1851	2.26	2068	2.98	2270	3.76	2459	4.58	2635	5.44
	2900	1510	1109	0.48	1238	0.73	1467	1.27	1685	1.91	1888	2.61	2086	3.39	2274	4.23	2447	5.10	2613	6.01
	3500	1823	1284	0.71	1397	1.00	1600	1.62	1785	2.29	1969	3.06	2143	3.88	2306	4.73	2471	5.67	2622	6.62
	4100	2135	1462	1.00	1568	1.36	1750	2.06	1917	2.81	2073	3.59	2230	4.46	2379	5.37	2529	6.36	2673	7.39
	4700	2448	1644	1.38	1741	1.79	1910	2.60	2062	3.42	2203	4.26	2344	5.19	2481	6.16	2609	7.13	2744	8.23
	5300	2760	1827	1.85	1919	2.33	2075	3.22	2214	4.12	2347	5.06	2477	6.05	2600	7.07	2719	8.10	2842	9.25
	5900	3073	2013	2.42	2099	2.96	2247	3.98	2375	4.95	2501	5.99	2617	7.02	2734	8.13	2846	9.25	2956	10.4
	6500	3385	2199	3.10	2279	3.70	2421	4.86	2545	5.95	2661	7.06	2770	8.16	2878	9.33	2979	10.5		

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
18 BC	3000	1563	993	0.54	1111	0.80	1337	1.37	1540	2.02	1744	2.81	1923	3.61	2091	4.46	2252	5.37	2395	6.27
	3500	1823	1123	0.75	1224	1.04	1419	1.67	1607	2.37	1789	3.17	1955	4.02	2118	4.96	2271	5.91	2418	6.93
	4000	2083	1256	1.03	1346	1.35	1519	2.05	1691	2.81	1851	3.61	2006	4.50	2157	5.47	2304	6.51	2448	7.61
	4500	2344	1392	1.36	1471	1.73	1629	2.50	1781	3.30	1932	4.17	2076	5.10	2214	6.09	2347	7.12	2482	8.27
	5000	2604	1530	1.78	1601	2.18	1743	3.01	1882	3.89	2017	4.79	2157	5.80	2281	6.78	2409	7.88	2532	9.03
	5500	2865	1670	2.29	1734	2.71	1865	3.62	1990	4.55	2117	5.55	2244	6.59	2367	7.66	2481	8.75	2596	9.91
	6000	3125	1810	2.88	1869	3.34	1987	4.31	2107	5.34	2222	6.37	2336	7.46	2453	8.62	2562	9.74	2670	10.9
	6500	3385	1951	3.58	2006	4.07	2116	5.12	2225	6.19	2334	7.32	2438	8.45	2542	9.62	2651	10.9		

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
18 PLR	3700	1927	1149	0.77	1259	1.08	1457	1.74	1635	2.44	1814	3.24	1992	4.12	2179	5.13				
	4100	2135	1249	0.97	1351	1.31	1538	2.04	1707	2.80	1863	3.58	2021	4.47	2182	5.45	2355	6.57	2513	7.68
	4500	2344	1351	1.21	1446	1.58	1620	2.36	1782	3.19	1928	4.02	2072	4.91	2216	5.89	2366	6.98	2515	8.13
	4900	2552	1452	1.49	1543	1.89	1705	2.72	1857	3.60	1998	4.50	2132	5.42	2267	6.43	2401	7.51	2531	8.61
	5300	2760	1556	1.81	1642	2.25	1796	3.14	1940	4.08	2074	5.03	2204	6.02	2328	7.04	2449	8.11	2570	9.24
	5700	2969	1660	2.18	1741	2.64	1887	3.59	2024	4.59	2152	5.60	2278	6.66	2393	7.70	2508	8.80	2623	9.96
	6100	3177	1765	2.60	1843	3.10	1983	4.12	2113	5.17	2235	6.23	2354	7.34	2465	8.44	2577	9.61	2687	10.8
	6500	3385	1871	3.07	1944	3.60	2077	4.67	2201	5.77	2320	6.92	2432	8.07	2546	9.30	2649	10.5		

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
20 ACOUSTAFOIL	3800	1624	1064	0.68	1180	1.03	1376	1.75	1543	2.46	1715	3.20	1884	3.98	2053	4.90	2221	5.96	2368	7.01
	4400	1880	1199	0.93	1297	1.25	1486	2.16	1640	2.92	1786	3.75	1927	4.56	2080	5.46	2230	6.43	2370	7.46
	5000	2137	1336	1.23	1423	1.56	1597	2.54	1747	3.47	1879	4.33	2006	5.27	2129	6.18	2262	7.16	2398	8.20
	5600	2393	1474	1.59	1556	1.96	1710	2.90	1858	4.08	1986	5.06	2104	6.03	2215	7.04	2332	8.14	2443	9.16
	6200	2650	1614	2.03	1690	2.45	1830	3.34	1970	4.64	2095	5.85	2209	6.91	2316	7.99	2417	9.10	2521	10.3
	6800	2906	1755	2.54	1827	3.02	1956	3.92	2085	5.19	2208	6.64	2319	7.90	2422	9.06	2519	10.2	2612	11.4
	7400	3162	1897	3.14	1965	3.67	2085	4.63	2203	5.80	2320	7.35	2433	8.92	2533	10.3	2622	11.4	2717	12.8
	8000	3419	2040	3.84	2103	4.41	2219	5.46	2324	6.56	2433	8.04	2543	9.81	2645	11.5	2736	12.9		

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
20 BC	3200	1368	819	0.50	938	0.79	1161	1.43	1369	2.23	1559	3.11	1725	4.02	1886	5.02	2028	6.02	2170	7.13
	3900	1667	949	0.75	1050	1.09	1242	1.81	1419	2.62	1593	3.57	1759	4.63	1904	5.66	2042	6.75	2182	7.97
	4600	1966	1086	1.09	1171	1.47	1336	2.28	1498	3.16	1650	4.13	1800	5.23	1941	6.39	2078	7.63	2205	8.87
	5300	2265	1227	1.53	1301	1.96	1448	2.87	1590	3.83	1728	4.85	1860	5.95	1991	7.17	2118	8.46	2241	9.82
	6000	2564	1371	2.09	1436	2.57	1567	3.57	1694	4.63	1820	5.74	1944	6.92	2061	8.14	2171	9.38	2287	10.8
	6700	2863	1516	2.79	1574	3.31	1691	4.41	1809	5.57	1921	6.77	2032	7.99	2147	9.33	2249	10.6	2351	12.0
	7400	3162	1663	3.64	1716	4.21	1822	5.41	1928	6.65	2032	7.94	2132	9.24	2237	10.7	2339	12.1	2434	13.5
	8100	3462	1811	4.65	1859	5.27	1956	6.55	2053	7.90	2149	9.28	2243	10.7	2333	12.1	2430	13.7		

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
20 PLR	4250	1816	1021	0.94	1115	1.32	1296	2.08	1474	2.93	1643	3.88	1819	4.99	1995	6.21				
	4800	2051	1129	1.22	1213	1.62	1376	2.47	1536	3.36	1689	4.33	1837	5.39	1996	6.64	2156	8.00		
	5350	2286	1240	1.56	1317	1.99	1462	2.91	1608	3.88	1749	4.88	1888	5.99	2022	7.17	2158	8.46	2299	9.88
	5900	2521	1351	1.96	1423	2.43	1557	3.44	1686	4.45	1818	5.53	1945	6.65	2070	7.87	2190	9.12	2318	10.5
	6450	2756	1464	2.43	1531	2.93	1654	4.01	1773	5.12	1895	6.28	2013	7.44	2127	8.65	2245	10.0	2352	11.3
	7000	2991	1578	2.98	1640	3.52	1756	4.68	1866	5.87	1976	7.08	2087	8.32	2197	9.61	2308	11.0	2410	12.4
	7550	3226	1692	3.62	1750	4.19	1859	5.41	1964	6.70	2065	7.99	2170	9.34	2272	10.7	2375	12.1	2472	13.5
	8100	3462	1807	4.34	1861	4.95	1965	6.23	2061	7.58	2159	8.99	2255	10.4	2350	11.8	2445	13.3		

Performance certified is for installation type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of apertures (accessories).

# PERFORMANCE FOR GENERAL PURPOSE FANS

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP			
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
22 ACOUSTAFOIL	4400	1544	922	0.83	1026	1.22	1213	2.08	1391	3.05	1560	4.14	1719	5.30	1867	6.53	2010	7.83	2146	9.22		
	5200	1825	1052	1.16	1144	1.61	1311	2.56	1468	3.61	1615	4.74	1758	5.95	1897	7.26	2030	8.64	2160	10.1		
	6000	2105	1182	1.56	1269	2.08	1419	3.13	1557	4.25	1692	5.46	1822	6.76	1946	8.11	2076	9.63	2195	11.2		
	6800	2386	1317	2.07	1396	2.65	1536	3.83	1663	5.06	1786	6.36	1900	7.68	2015	9.12	2133	10.7	2240	12.2		
	7600	2667	1452	2.69	1526	3.34	1655	4.62	1773	5.95	1885	7.34	1995	8.81	2099	10.3	2204	11.9	2309	13.6		
	8400	2947	1589	3.43	1659	4.16	1781	5.58	1890	7.00	1993	8.48	2097	10.1	2193	11.6	2293	13.4	2386	15.1		
	9200	3228	1726	4.30	1792	5.09	1908	6.66	2013	8.23	2109	9.80	2202	11.4	2295	13.1	2387	14.9	2471	16.6		
	10000	3509	1864	5.32	1927	6.19	2038	7.91	2135	9.57	2227	11.3	2315	13.0	2402	14.8	2487	16.7				

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP			
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
22 BC	3700	1298	733	0.62	843	0.95	1043	1.71	1229	2.64	1401	3.64	1563	4.75	1708	5.91	1833	7.07	1955	8.36		
	4600	1614	858	0.92	953	1.34	1122	2.16	1283	3.11	1435	4.22	1576	5.38	1721	6.68	1848	7.95	1979	9.41		
	5500	1930	992	1.35	1072	1.82	1222	2.77	1360	3.78	1497	4.91	1624	6.14	1748	7.49	1872	8.95	1986	10.4		
	6400	2246	1131	1.90	1198	2.41	1334	3.55	1457	4.65	1575	5.81	1696	7.13	1807	8.49	1912	9.91	2023	11.6		
	7300	2561	1273	2.61	1331	3.19	1451	4.44	1568	5.73	1672	6.96	1779	8.33	1882	9.74	1978	11.2	2078	12.8		
	8200	2877	1416	3.47	1468	4.14	1573	5.48	1680	6.94	1780	8.33	1876	9.76	1970	11.3	2060	12.8	2153	14.4		
	9100	3193	1561	4.52	1608	5.29	1702	6.73	1799	8.34	1895	9.95	1982	11.5	2069	13.1	2155	14.7	2239	16.4		
	10000	3509	1706	5.77	1749	6.63	1833	8.20	1920	9.86	2012	11.7	2094	13.4	2175	15.1	2255	16.8				

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP			
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
22 PLR	4400	1544	828	0.72	932	1.07	1134	1.92	1326	3.00	1512	4.33	1680	5.82	1839	7.51						
	5200	1825	941	1.03	1034	1.43	1205	2.32	1372	3.40	1539	4.70	1697	6.19	1849	7.87	1991	9.68	2128	11.7		
	6000	2105	1056	1.41	1141	1.88	1293	2.86	1443	3.99	1588	5.26	1729	6.70	1866	8.31	2007	10.2	2131	12.1		
	6800	2386	1173	1.90	1252	2.44	1390	3.51	1521	4.67	1654	6.00	1779	7.42	1904	9.00	2029	10.8	2157	12.8		
	7600	2667	1292	2.50	1366	3.12	1493	4.28	1613	5.53	1731	6.88	1845	8.34	1961	9.95	2076	11.7	2193	13.7		
	8400	2947	1413	3.22	1482	3.92	1601	5.22	1713	6.56	1818	7.94	1924	9.46	2030	11.1	2133	12.8	2240	14.8		
	9200	3228	1533	4.07	1598	4.83	1712	6.28	1814	7.71	1915	9.22	2012	10.8	2109	12.5	2207	14.3	2299	16.1		
	10000	3509	1655	5.07	1717	5.92	1825	7.51	1922	9.06	2016	10.7	2107	12.3	2194	14.0	2284	15.8				

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP			
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
24 ACOUSTAFOIL	5000	1449	809	0.80	904	1.23	1080	2.15	1254	3.22	1421	4.42	1577	5.70	1725	7.09	1868	8.62	1997	10.2		
	6000	1739	934	1.13	1017	1.63	1167	2.66	1314	3.81	1461	5.09	1602	6.45	1736	7.89	1866	9.43	1992	11.1		
	7000	2029	1061	1.55	1137	2.13	1269	3.29	1397	4.54	1522	5.87	1648	7.32	1770	8.85	1893	10.5	2007	12.2		
	8000	2319	1190	2.06	1261	2.74	1379	4.02	1494	5.39	1607	6.85	1717	8.38	1824	9.95	1934	11.7	2035	13.3		
	9000	2609	1320	2.69	1386	3.46	1499	4.93	1602	6.42	1703	7.98	1801	9.59	1898	11.3	1995	13.0	2093	14.9		
	10000	2899	1452	3.46	1513	4.31	1619	5.93	1714	7.56	1807	9.26	1895	11.0	1984	12.8	2073	14.6	2159	16.5		
	11000	3188	1584	4.37	1642	5.31	1743	7.12	1832	8.89	1917	10.7	2000	12.6	2083	14.5	2164	16.5	2242	18.4		
	12000	3478	1718	5.44	1772	6.46	1868	8.46	1952	10.4	2032	12.3	2108	14.3	2185	16.3	2260	18.4				

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP			
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
24 BC	4300	1246	647	0.68	750	1.07	937	1.96	1110	3.06	1275	4.29	1419	5.58	1542	6.89	1661	8.34	1779	9.97		
	5400	1565	759	1.02	849	1.51	1008	2.49	1155	3.62	1294	4.93	1433	6.39	1560	7.87	1681	9.46	1790	11.1		
	6500	1884	882	1.51	956	2.07	1097	3.21	1226	4.41	1346	5.71	1466	7.23	1582	8.87	1694	10.6	1802	12.3		
	7600	2203	1009	2.16	1071	2.77	1196	4.11	1311	5.42	1421	6.84	1530	8.39	1630	10.0	1733	11.8	1833	13.8		
	8700	2522	1138	2.98	1191	3.67	1303	5.19	1408	6.67	1508	8.21	1605	9.82	1697	11.5	1787	13.2	1881	15.3		
	9800	2841	1269	4.01	1317	4.80	1414	6.41	1512	8.15	1605	9.84	1691	11.5	1776	13.3	1864	15.2	1948	17.2		
	10900	3159	1401	5.26	1445	6.17	1531	7.90	1621	9.82	1708	11.8	1787	13.5	1868	15.5	1945	17.4	2020	19.4		
	12000	3478	1534	6.75	1574	7.78	1652	9.68	1732	11.7	1813	13.8	1891	15.9	1964	17.9	2038	20.1				

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP			
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
24 PLR	7300	2116	962	1.73	1039	2.31	1177	3.48	1310	4.82	1440	6.34	1569	8.10	1697	10.1	1821	12.2	1935	14.5		
	7900	2290	1027	2.09	1100	2.70	1232	3.97	1354	5.33	1480	6.93	1595	8.60	1720	10.6	1829	12.6	1941	14.9		
	8500	2464	1093	2.49	1163	3.16	1287	4.49	1403	5.91	1519	7.51	1629	9.22	1742	11.2	1851	13.2	1961	15.6		
	9100	2638	1159	2.93	1227	3.67	1346	5.09	1455	6.57	1562	8.18	1670	9.97	1774	11.9	1882	14.1	1981	16.2		
	9700	2812	1226	3.44	1292	4.24	1405	5.75	1509	7.28	1611	8.96	1713	10.8	1809	12.7	1913	14.9	2007	17.1		
	10300	2986	1293	4.00	1356	4.86	1465	6.47	1567	8.11	1662	9.80	1758	11.6	1852	13.6	1943	15.7	2038	18.0		
	10900	3159	1361	4.63	1422	5.56	1527	7.26	1623	8.95	1718	10.8	1805	12.6	1898	14.7	1986	16.8	2073	19.0		
	11500	3333	1429	5.33	1488	6.30	1590	8.13	1684	9.94	1772	11.8	1859	13.7	1942	15.7	2028	17.9				

Performance certified is for installation type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).

# PERFORMANCE FOR GENERAL PURPOSE FANS

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP		
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM
27 ACOUSTAFOIL	7100	1695	771	1.20	849	1.75	998	2.94	1144	4.28	1289	5.77	1428	7.40	1563	9.20	1689	11.1	1804	13.0	
	8200	1957	866	1.61	935	2.23	1064	3.52	1194	4.98	1323	6.56	1445	8.21	1571	10.1	1690	12.0	1801	14.0	
	9300	2220	964	2.12	1027	2.82	1143	4.25	1257	5.80	1368	7.43	1480	9.19	1593	11.1	1703	13.1	1811	15.2	
	10400	2482	1063	2.74	1121	3.52	1228	5.11	1328	6.74	1429	8.50	1532	10.4	1633	12.4	1733	14.4	1831	16.6	
	11500	2745	1163	3.48	1217	4.35	1316	6.09	1409	7.87	1499	9.71	1591	11.7	1683	13.8	1773	15.9	1868	18.2	
	12600	3007	1264	4.37	1314	5.31	1405	7.18	1492	9.12	1578	11.1	1661	13.2	1743	15.3	1828	17.6	1908	19.8	
	13700	3270	1366	5.40	1413	6.43	1499	8.48	1579	10.5	1659	12.7	1735	14.8	1811	17.1	1889	19.5	1966	21.9	
	14800	3532	1468	6.59	1512	7.70	1593	9.91	1669	12.1	1743	14.4	1816	16.7	1887	19.1	1956	21.5			

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP		
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM
27 BC	6500	1551	698	1.08	783	1.66	937	2.91	1065	4.22	1191	5.72	1314	7.41	1428	9.21	1537	11.1	1640	13.2	
	7500	1790	780	1.45	855	2.09	999	3.52	1118	4.94	1231	6.52	1338	8.18	1448	10.1	1548	12.0	1650	14.2	
	8500	2029	864	1.92	932	2.62	1062	4.20	1181	5.81	1282	7.44	1381	9.22	1478	11.1	1573	13.1	1669	15.4	
	9500	2267	949	2.48	1013	3.26	1129	4.95	1241	6.73	1341	8.53	1432	10.4	1523	12.4	1611	14.5	1694	16.6	
	10500	2506	1035	3.16	1095	4.02	1202	5.82	1307	7.82	1406	9.80	1495	11.8	1578	13.9	1657	16.0	1734	18.2	
	11500	2745	1122	3.97	1178	4.90	1277	6.79	1373	8.91	1467	11.1	1556	13.3	1637	15.5	1713	17.8	1787	20.1	
	12500	2983	1210	4.91	1263	5.93	1356	7.96	1443	10.1	1534	12.6	1618	14.9	1700	17.3	1774	19.7	1841	22.1	
	13500	3222	1299	6.02	1348	7.09	1437	9.31	1520	11.6	1601	14.1	1684	16.7	1761	19.2	1837	21.9			

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP		
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM
27 PLR	7400	1766	762	1.68	855	2.43	995	3.81	1126	5.44	1247	7.27	1362	9.31	1471	11.5	1587	14.0			
	8200	1957	823	2.09	912	2.91	1049	4.47	1169	6.11	1284	8.00	1392	10.1	1493	12.3	1598	14.8	1699	17.3	
	9000	2148	887	2.58	970	3.45	1104	5.19	1215	6.89	1323	8.78	1425	10.9	1524	13.2	1616	15.6	1708	18.1	
	9800	2339	953	3.14	1027	4.05	1162	6.01	1267	7.82	1369	9.76	1467	11.9	1558	14.2	1650	16.7	1736	19.3	
	10600	2530	1019	3.79	1087	4.77	1219	6.90	1322	8.86	1419	10.9	1511	13.1	1598	15.4	1686	17.9	1768	20.6	
	11400	2721	1086	4.52	1149	5.58	1277	7.87	1380	10.0	1470	12.1	1556	14.3	1641	16.7	1725	19.3	1804	21.9	
	12200	2912	1154	5.35	1212	6.50	1333	8.88	1439	11.3	1525	13.6	1607	15.8	1685	18.2	1768	20.8	1843	23.5	
	13000	3103	1222	6.28	1277	7.52	1390	9.98	1496	12.7	1582	15.1	1659	17.4	1736	19.9	1812	22.5			

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
30 ACOUSTAFOIL	8500	1644	678	1.37	748	2.01	886	3.44	1023	5.10	1159	6.97	1290	9.05	1407	11.2	1526	13.6	1636	16.1
	9800	1896	760	1.83	823	2.57	944	4.13	1064	5.89	1183	7.84	1298	9.91	1412	12.2	1525	14.7	1624	17.1
	11100	2147	843	2.40	902	3.23	1009	4.93	1113	6.78	1219	8.81	1324	11.0	1430	13.4	1530	15.8	1633	18.6
	12400	2398	928	3.10	982	4.02	1080	5.88	1174	7.85	1267	9.96	1363	12.3	1457	14.7	1552	17.3	1644	20.0
	13700	2650	1014	3.92	1064	4.95	1154	6.98	1240	9.09	1327	11.4	1412	13.7	1498	16.3	1583	18.9	1667	21.7
	15000	2901	1100	4.90	1148	6.03	1232	8.25	1311	10.5	1391	12.9	1469	15.4	1548	18.1	1624	20.7	1700	23.5
	16300	3153	1188	6.05	1232	7.27	1311	9.67	1386	12.1	1458	14.6	1531	17.3	1602	20.0	1675	22.9	1748	25.9
	17600	3404	1275	7.37	1316	8.67	1393	11.3	1464	13.9	1531	16.6	1597	19.3	1664	22.2	1732	25.2	1798	28.2

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP		
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM
30 BC	7400	1431	592	1.19	674	1.88	816	3.33	939	4.93	1060	6.78	1171	8.78	1278	11.0	1379	13.4	1474	15.9	
	8700	1683	669	1.64	739	2.40	872	4.06	983	5.78	1089	7.68	1194	9.80	1296	12.1	1387	14.5	1480	17.1	
	10000	1934	747	2.20	810	3.03	933	4.94	1040	6.85	1134	8.83	1227	11.0	1318	13.3	1408	15.9	1494	18.5	
	11300	2186	827	2.89	886	3.83	994	5.88	1099	8.05	1190	10.2	1274	12.5	1355	14.9	1433	17.3	1516	20.1	
	12600	2437	909	3.74	963	4.77	1062	6.96	1159	9.37	1247	11.7	1328	14.2	1401	16.6	1479	19.4	1551	22.1	
	13900	2689	991	4.75	1043	5.90	1132	8.19	1221	10.8	1308	13.5	1388	16.1	1459	18.7	1529	21.6	1598	24.5	
	15200	2940	1075	5.96	1122	7.19	1207	9.70	1288	12.4	1369	15.3	1447	18.2	1519	21.1	1584	24.0	1645	26.9	
	16500	3191	1158	7.36	1202	8.68	1284	11.4	1357	14.2	1432	17.3	1506	20.4	1577	23.6	1643	26.7			

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP		
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM
30 PLR	9600	1857	658	1.89	728	2.65	862	4.36	993	6.34	1116	8.51	1234	10.9	1346	13.6	1454	16.5	1551	19.5	
	10800	2089	722	2.45	786	3.30	907	5.13	1025	7.18	1137	9.42	1248	11.9	1358	14.7	1459	17.6	1556	20.7	
	12000	2321	788	3.12	847	4.06	957	6.01	1064	8.16	1167	10.5	1270	13.0	1370	15.8	1466	18.7	1564	22.0	
	13200	2553	854	3.92	910	4.95	1011	7.05	1110	9.34	1204	11.7	1302	14.4	1395	17.3	1488	20.4	1574	23.4	
	14400	2785	921	4.86	974	5.98	1070	8.27	1158	10.6	1248	13.2	1335	15.9	1423	18.8	1510	22.0	1594	25.2	
	15600	3017	988	5.93	1039	7.17	1129	9.61	1213	12.1	1294	14.8	1376	17.6	1457	20.6	1540	23.8	1619	27.2	
	16800	3250	1056	7.18	1104	8.52	1190	11.1	1270	13.9	1347	16.6	1421	19.5	1501	22.7	1573	25.8	1648	29.3	
	18000	3482	1125	8.60	1171	10.1	1253	12.9	1326	15.6	1401	18.6	1471	21.6	1542	24.8	1612	28.1			

Performance certified is for installation type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).



# PERFORMANCE FOR GENERAL PURPOSE FANS

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP		
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
33 ACOUSTAFOIL	9500	1518	566	1.31	636	2.04	787	3.82	930	5.87	1053	8.00	1169	10.3	1279	12.9	1378	15.5	1473	18.3	
	11500	1837	662	1.95	714	2.73	837	4.68	963	6.93	1081	9.35	1190	11.9	1290	14.5	1386	17.4	1479	20.4	
	13500	2157	762	2.81	804	3.68	903	5.76	1011	8.19	1115	10.8	1218	13.6	1312	16.4	1403	19.4	1493	22.6	
	15500	2476	864	3.93	899	4.89	979	7.07	1070	9.62	1163	12.4	1257	15.5	1345	18.5	1431	21.7	1518	25.3	
	17500	2796	967	5.36	998	6.40	1064	8.73	1141	11.4	1224	14.4	1305	17.5	1387	20.9	1469	24.4	1549	28.0	
	19500	3115	1071	7.12	1098	8.26	1155	10.7	1220	13.5	1291	16.6	1366	20.0	1439	23.5	1512	27.1	1586	30.9	
	21500	3435	1175	9.24	1200	10.5	1251	13.1	1305	16.0	1368	19.3	1432	22.7	1500	26.4	1567	30.3	1633	34.2	
	23500	3754	1280	11.8	1303	13.1	1349	16.0	1397	19.0	1450	22.3	1509	26.0	1569	29.9	1629	33.8			

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP		
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
33 BC	8500	1358	518	1.29	597	2.10	727	3.76	846	5.69	958	7.88	1065	10.4	1164	13.0	1256	15.9	1340	18.8	
	10000	1597	584	1.76	652	2.66	775	4.55	879	6.59	982	8.92	1079	11.4	1172	14.2	1261	17.1	1344	20.2	
	11500	1837	652	2.36	711	3.33	826	5.48	925	7.71	1016	10.1	1104	12.7	1187	15.4	1268	18.3	1351	21.6	
	13000	2077	721	3.10	776	4.16	879	6.55	976	9.00	1060	11.6	1140	14.3	1216	17.1	1295	20.3	1370	23.5	
	14500	2316	791	3.98	843	5.18	935	7.73	1027	10.5	1109	13.2	1182	16.0	1254	19.1	1324	22.2	1393	25.5	
	16000	2556	862	5.05	910	6.37	996	9.09	1081	12.1	1159	15.0	1233	18.1	1300	21.3	1363	24.5	1427	27.9	
	17500	2796	934	6.32	979	7.76	1058	10.6	1137	13.9	1211	17.1	1284	20.4	1349	23.7	1409	27.1	1472	30.8	
	19000	3035	1006	7.80	1048	9.34	1123	12.4	1194	15.7	1266	19.4	1335	22.9	1401	26.5	1461	30.0			

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP		
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
33 PLR	11000	1757	572	2.10	640	2.97	768	4.87	894	7.15	1010	9.74	1119	12.6	1222	15.8					
	12500	1997	632	2.77	693	3.77	808	5.82	919	8.13	1028	10.8	1129	13.7	1229	16.9	1319	20.3	1412	24.2	
	14000	2236	693	3.57	749	4.71	854	6.96	955	9.38	1054	12.1	1151	15.1	1241	18.3	1331	21.9	1420	25.7	
	15500	2476	755	4.51	807	5.82	902	8.24	994	10.8	1087	13.7	1174	16.6	1261	20.0	1344	23.4	1428	27.4	
	17000	2716	818	5.62	866	7.10	955	9.77	1040	12.5	1125	15.5	1206	18.5	1288	21.9	1365	25.4	1443	29.3	
	18500	2955	882	6.92	926	8.55	1011	11.5	1090	14.5	1166	17.5	1244	20.8	1320	24.2	1393	27.8	1466	31.7	
	20000	3195	946	8.42	989	10.2	1066	13.5	1141	16.6	1213	19.8	1283	23.2	1353	26.6	1423	30.4	1493	34.4	
	21500	3435	1010	10.1	1050	12.1	1124	15.7	1194	19.0	1262	22.4	1329	26.0	1395	29.6	1459	33.4			

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP		
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
36 ACOUSTAFOIL	12500	1632	549	1.85	609	2.78	726	4.88	840	7.26	954	10.0	1059	12.9	1155	15.9	1253	19.3	1341	22.7	
	14500	1893	618	2.51	672	3.57	773	5.84	873	8.42	970	11.2	1069	14.3	1164	17.6	1252	21.0	1337	24.6	
	16500	2154	688	3.32	738	4.53	827	6.99	916	9.77	1002	12.7	1089	15.9	1178	19.4	1259	22.9	1343	26.8	
	18500	2415	759	4.32	805	5.67	887	8.40	966	11.3	1044	14.4	1120	17.7	1198	21.3	1276	25.0	1351	28.9	
	20500	2676	831	5.51	874	7.01	950	9.99	1023	13.2	1092	16.4	1163	19.9	1235	23.7	1304	27.5	1373	31.6	
	22500	2937	904	6.94	944	8.60	1015	11.8	1081	15.2	1147	18.7	1212	22.4	1274	26.2	1340	30.3	1406	34.6	
	24500	3198	977	8.59	1015	10.4	1082	14.0	1144	17.5	1204	21.2	1262	25.0	1324	29.2	1381	33.3	1440	37.6	
	26500	3460	1050	10.5	1086	12.5	1150	16.3	1208	20.2	1265	24.2	1321	28.3	1376	32.5	1429	36.7			

SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP		
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
36 BC	12500	1632	517	2.12	575	3.14	689	5.42	797	7.95	895	10.8	990	14.0	1074	17.4	1157	21.1	1230	24.7	
	14500	1893	582	2.90	633	4.04	733	6.60	829	9.32	921	12.3	1008	15.5	1089	19.0	1166	22.8	1244	27.0	
	16500	2154	648	3.88	694	5.15	783	7.94	868	10.9	952	14.0	1035	17.4	1112	21.0	1185	24.9	1258	29.1	
	18500	2415	716	5.10	757	6.51	837	9.50	915	12.8	992	16.2	1065	19.6	1139	23.4	1210	27.4	1277	31.5	
	20500	2676	785	6.59	822	8.11	894	11.3	965	14.8	1035	18.5	1106	22.4	1171	26.1	1237	30.2	1303	34.5	
	22500	2937	854	8.35	889	10.0	955	13.5	1020	17.2	1085	21.1	1149	25.2	1212	29.4	1272	33.6	1334	38.1	
	24500	3198	924	10.4	956	12.2	1017	15.9	1078	19.9	1137	24.0	1197	28.4	1256	32.9	1311	37.3			
	26500	3460	994	12.8	1024	14.8	1082	18.8	1138	23.0	1193	27.3	1248	31.9	1303	36.7	1357	41.5			

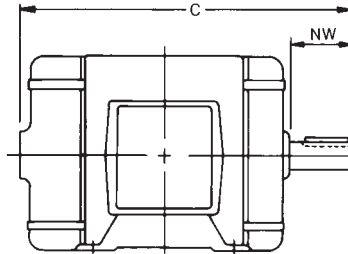
SIZE	CFM	OV	1/2"SP		1"SP		2"SP		3"SP		4"SP		5"SP		6"SP		7"SP		8"SP		
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
36 PLR	12500	1632	494	1.96	558	2.99	684	5.41	809	8.39	923	11.8	1028	15.5	1120	19.4					
	14500	1893	553	2.64	609	3.79	718	6.38	828	9.43	934	12.9	1032	16.7	1124	20.8	1213	25.2	1298	30.1	
	16500	2154	614	3.50	664	4.79	761	7.56	857	10.7	951	14.2	1045	18.2	1134	22.4	1221	27.1	1300	31.9	
	18500	2415	677	4.56	722	5.99	809	9.00	895	12.3	980	15.9	1067	20.0	1152	24.5	1230	29.0	1310	34.1	
	20500	2676	740	5.84	782	7.41	860	10.6	939	14.2	1016	18.0	1093	22.0	1168	26.4	1247	31.4	1320	36.3	
	22500	2937	805	7.36	843	9.09	916	12.6	986	16.2	1057	20.2	1129	24.5	1197	29.0	1268	33.8	1339	39.1	
	24500	3198	870	9.15	905	11.0	972	14.8	1038	18.7	1103	22.8	1167	27.2	1234	32.0	1298	36.9			
	26500	3460	935	11.2	968	13.2	1031	17.3	1093	21.5	1153	25.8	1211	30.3	1273	35.3	1332	40.3			

Performance certified is for installation type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).

# GENERAL PURPOSE FAN SPECIFICATIONS

## MAXIMUM MOTOR SIZES Arrangement 10

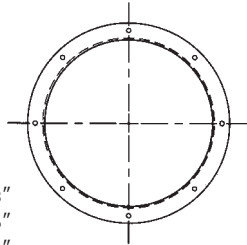
Motor frame sizes vary in length with different motor manufacturers. To determine whether a specific motor will fit, the frame size should be equal to or smaller than the maximum shown and the case length [NEMA C minus NEMA NW] must be equal to or less than the maximum allowable dimension shown.



DIMENSIONS [INCHES]			
Size	Maximum motor frame		Maximum motor case length [C-NW]
	Open	TE	
12	215T	184T	14 1/2
15	215T	215T	16 5/8
18	215T	215T	16 5/8
20	256T	254T	18 5/8
22	256T	254T	18 5/8
24	256T	254T	18 5/8
27	284T	256T	19 1/2
30	284T	256T	19 1/2
33	284T	284T	22 1/2
36	284T	284T	22 1/2

## FLANGED INLET OPTION

Holes furnished on vertical centerline.



NOTE: Inlet flange material:  
Size 12 . . . . . 1" x 1" x 1/8"  
Sizes 15-22 . . . 1 1/2" x 1 1/2" x 3/16"  
Sizes 24-36 . . . . . 2" x 2" x 3/16"

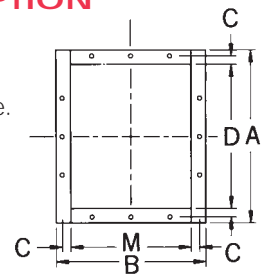
## FLANGED OUTLET OPTION

1. Mounted flush with outside edge of housing discharge.
2. Holes furnished on 4" centers on centerline.

NOTE: Outlet flange material:

◆ Sizes 12-22 . . . . . 7 gauge plate  
Sizes 24-33 . . . 1 1/2" x 1 1/2" x 3/16"  
Size 36 . . . . . 2" x 2" x 3/16"

◆ Consult **nyb** if SST or aluminum construction is required. Dimensions will vary.



DIMENSIONS [INCHES]					
Size	I.D.	B.C.	O.D.	Holes	
				No.	Diameter
12	13 1/2	14 5/8	15 1/2	8	7/16
15	16 3/8	17 7/8	19 3/8	8	7/16
18	20	21 3/4	23	16	9/16
20	21 3/4	23 1/2	24 3/4	16	9/16
22	24 3/8	26 1/8	27 3/8	16	9/16
24	26 7/8	29 1/8	30 7/8	16	9/16
27	29 1/2	31 3/4	33 1/2	16	9/16
30	32 7/8	35 1/8	36 7/8	16	9/16
33	36 1/8	38 3/8	40 1/8	16	9/16
36	40 1/8	42 3/8	44 1/8	16	9/16

DIMENSIONS [INCHES]								
Size	A†	B†	C	D*	M*	No. of holes per flange		Dia.
						Sides	Top/bottom	
12	15 3/4	11 3/8	5/8	13 11/16	9 3/8	3	3	5/16
15	19 3/8	13 7/8	5/8	16 13/16	11 3/8	5	3	5/16
18	23 1/2	16 7/8	3/4	20 1/2	13 15/16	5	3	7/16
20	25 5/8	18	3/4	22 5/8	15 1/16	7	3	7/16
22	27 7/8	19 7/8	3/4	24 7/8	16 15/16	7	3	7/16
24	30 3/8	21 1/2	7/8	27 3/8	18 1/2	7	5	7/16
27	33 1/4	23 3/8	7/8	30 1/4	20 3/8	9	5	7/16
30	36 1/2	25 5/8	7/8	33 1/2	22 5/8	9	5	7/16
33	39 7/8	27 7/8	7/8	36 7/8	24 7/8	9	5	7/16
36	44 3/4	31 1/2	1 1/8	40 3/4	27 1/2	11	7	9/16

\* Dimension shown is inside flange, outside housing. Deduct housing material thicknesses to determine inside dimensions of discharge.

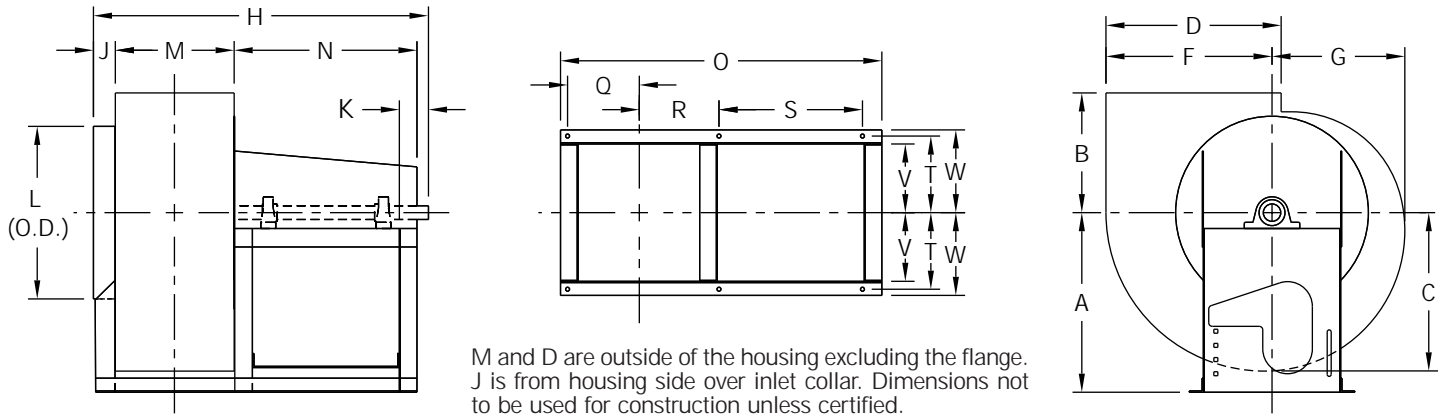
† Dimension shown may differ for alloy construction or DB discharge.

## MATERIAL SPECIFICATIONS

Size	Housing		Pedestal		Platform		Drive plate	Inlet hanger	Base angles	Wheels						Shaft dia.	Brgs. †	Bare fan wt. •
	Sides	Scroll	Sides	Ends	Motor	Bearing				AcustaFoil		BC		PLR				
										Wts.	WR <sup>2</sup>	Wt.	WR <sup>2</sup>	Wt.	WR <sup>2</sup>			
12	14	16	12	12	7	10	12	10	1 1/2 x 1 1/2 x 3/16	8*	2	NA	NA	15	2	1 7/16	A	145
15	14	16	12	12	7	10	12	10	1 1/2 x 1 1/2 x 3/16	12*	3	NA	NA	21	5	1 7/16	A	195
18	14	14	12	12	7	7	10	10	2 x 2 x 3/16	31	11	36	12	32	11	1 11/16	A	300
20	14	14	10	10	7	7	10	10	2 x 2 x 3/16	38	15	49	20	41	17	1 11/16	A	350
22	14	14	10	10	7	7	10	10	2 x 2 x 3/16	45	23	68	31	50	26	1 5/16	A	425
24	12	14	10	10	1/4	7	10	10	2 x 2 x 3/16	70	39	88	49	67	37	1 5/16	A	535
27	12	14	10	7	1/4	7	10	10	3 x 2 x 3/16	89	64	103	72	89	63	1 5/16	B	645
30	12	14	10	7	1/4	7	10	10	3 x 2 x 3/16	100	90	125	111	106	96	1 5/16	B	720
33	12	14	10	7	1/4	7	10	10	3 x 2 x 3/16	118	123	146	151	125	134	2 3/16	C	940
36	12	12	10	7	1/4	7	7	10	3 x 2 x 3/16	175	232	204	267	179	235	2 3/16	C	1130

\* Aluminum wheels. † **nyb** reserves the right to substitute bearings of equal or greater rating. Bearings: A = Link Belt P3U-200 series ball bearings. B = Sealmaster SPM series ball bearings. C = Sealmaster MPD series ball bearings. • Approximate shipping weight in pounds. NA = Not Available.

# GENERAL PURPOSE FAN DIMENSIONS

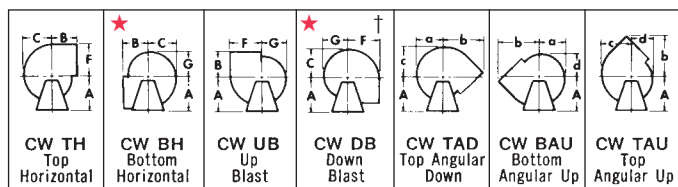


DIMENSIONS [INCHES]													
Size	A	B	C	D	F	G	H	J	K	L	M	N	O
12	15 <sup>1</sup> / <sub>2</sub>	10	12 <sup>3</sup> / <sub>8</sub>	13 <sup>5</sup> / <sub>8</sub>	13	10 <sup>3</sup> / <sub>8</sub>	32	2 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	13 <sup>1</sup> / <sub>2</sub>	9 <sup>3</sup> / <sub>8</sub>	20	31 <sup>1</sup> / <sub>2</sub>
15	17 <sup>1</sup> / <sub>2</sub>	12	15 <sup>1</sup> / <sub>8</sub>	16 <sup>3</sup> / <sub>4</sub>	15 <sup>7</sup> / <sub>8</sub>	12 <sup>5</sup> / <sub>8</sub>	37 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>8</sub>	3	16 <sup>1</sup> / <sub>2</sub>	11 <sup>3</sup> / <sub>8</sub>	22	35 <sup>5</sup> / <sub>8</sub>
18	21 <sup>1</sup> / <sub>4</sub>	14	18 <sup>3</sup> / <sub>8</sub>	20 <sup>1</sup> / <sub>2</sub>	19 <sup>3</sup> / <sub>8</sub>	15 <sup>3</sup> / <sub>8</sub>	40 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>2</sub>	20	13 <sup>7</sup> / <sub>8</sub>	22	38 <sup>5</sup> / <sub>8</sub>
20	25 <sup>1</sup> / <sub>2</sub>	15 <sup>1</sup> / <sub>2</sub>	20 <sup>3</sup> / <sub>8</sub>	22 <sup>1</sup> / <sub>2</sub>	21 <sup>3</sup> / <sub>8</sub>	17	45 <sup>5</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	4	22 <sup>3</sup> / <sub>8</sub>	15	26	43 <sup>3</sup> / <sub>4</sub>
22	25 <sup>1</sup> / <sub>2</sub>	17	22 <sup>1</sup> / <sub>2</sub>	24 <sup>7</sup> / <sub>8</sub>	23 <sup>5</sup> / <sub>8</sub>	18 <sup>3</sup> / <sub>4</sub>	47 <sup>5</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	4	24 <sup>1</sup> / <sub>2</sub>	16 <sup>7</sup> / <sub>8</sub>	26	45 <sup>5</sup> / <sub>8</sub>
24	28	19	24 <sup>3</sup> / <sub>4</sub>	27 <sup>3</sup> / <sub>8</sub>	26	20 <sup>3</sup> / <sub>4</sub>	50 <sup>3</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>2</sub>	27	18 <sup>1</sup> / <sub>2</sub>	26	47 <sup>3</sup> / <sub>4</sub>
27	32 <sup>1</sup> / <sub>2</sub>	20 <sup>1</sup> / <sub>2</sub>	27 <sup>1</sup> / <sub>4</sub>	30 <sup>1</sup> / <sub>4</sub>	28 <sup>5</sup> / <sub>8</sub>	22 <sup>3</sup> / <sub>4</sub>	54	4 <sup>1</sup> / <sub>2</sub>	5	30	20 <sup>3</sup> / <sub>8</sub>	26 <sup>7</sup> / <sub>8</sub>	50 <sup>1</sup> / <sub>2</sub>
30	32 <sup>1</sup> / <sub>2</sub>	22 <sup>1</sup> / <sub>2</sub>	30 <sup>1</sup> / <sub>4</sub>	33 <sup>1</sup> / <sub>2</sub>	31 <sup>3</sup> / <sub>4</sub>	25 <sup>3</sup> / <sub>8</sub>	56 <sup>3</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>2</sub>	5 <sup>1</sup> / <sub>2</sub>	33	22 <sup>5</sup> / <sub>8</sub>	26 <sup>7</sup> / <sub>8</sub>	52 <sup>3</sup> / <sub>4</sub>
33	39 <sup>1</sup> / <sub>2</sub>	24 <sup>1</sup> / <sub>2</sub>	33 <sup>3</sup> / <sub>8</sub>	36 <sup>7</sup> / <sub>8</sub>	35	27 <sup>7</sup> / <sub>8</sub>	62 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>2</sub>	6	36 <sup>1</sup> / <sub>2</sub>	24 <sup>7</sup> / <sub>8</sub>	29 <sup>7</sup> / <sub>8</sub>	58
36	39 <sup>1</sup> / <sub>2</sub>	29	36 <sup>7</sup> / <sub>8</sub>	40 <sup>3</sup> / <sub>4</sub>	38 <sup>3</sup> / <sub>4</sub>	30 <sup>7</sup> / <sub>8</sub>	66 <sup>1</sup> / <sub>8</sub>	5	6	40	27 <sup>1</sup> / <sub>2</sub>	30	60 <sup>3</sup> / <sub>4</sub>

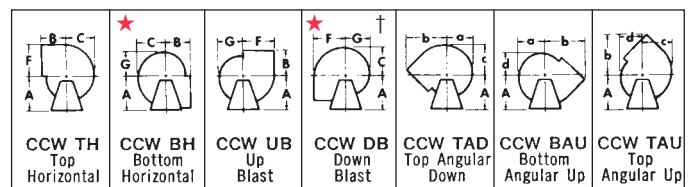
Size	Q	R	S	T	V	W	a	b	c	d	Shaft		Base holes
											Dia.	Keyway	
12	6 <sup>1</sup> / <sub>8</sub>	6 <sup>5</sup> / <sub>8</sub>	16 <sup>3</sup> / <sub>8</sub>	7 <sup>3</sup> / <sub>8</sub>	6 <sup>1</sup> / <sub>2</sub>	8	11 <sup>5</sup> / <sub>8</sub>	16 <sup>1</sup> / <sub>4</sub>	12 <sup>7</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>4</sub>	17 <sup>1</sup> / <sub>16</sub>	3/8 X 3/16	9/16
15	7 <sup>1</sup> / <sub>4</sub>	7 <sup>5</sup> / <sub>8</sub>	18 <sup>3</sup> / <sub>8</sub>	8 <sup>7</sup> / <sub>8</sub>	8	9 <sup>1</sup> / <sub>2</sub>	14 <sup>1</sup> / <sub>8</sub>	19 <sup>3</sup> / <sub>4</sub>	15 <sup>3</sup> / <sub>4</sub>	11 <sup>3</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>16</sub>	3/8 X 3/16	9/16
18	8 <sup>5</sup> / <sub>8</sub>	9 <sup>3</sup> / <sub>8</sub>	17 <sup>3</sup> / <sub>8</sub>	9 <sup>3</sup> / <sub>8</sub>	8 <sup>1</sup> / <sub>4</sub>	10 <sup>1</sup> / <sub>4</sub>	17 <sup>1</sup> / <sub>4</sub>	23 <sup>5</sup> / <sub>8</sub>	19 <sup>1</sup> / <sub>8</sub>	13 <sup>7</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>16</sub>	3/8 X 3/16	9/16
20	9 <sup>1</sup> / <sub>4</sub>	10 <sup>3</sup> / <sub>8</sub>	20 <sup>3</sup> / <sub>8</sub>	10 <sup>7</sup> / <sub>8</sub>	9 <sup>3</sup> / <sub>4</sub>	11 <sup>3</sup> / <sub>4</sub>	18 <sup>7</sup> / <sub>8</sub>	26 <sup>1</sup> / <sub>8</sub>	21 <sup>1</sup> / <sub>8</sub>	15	11 <sup>1</sup> / <sub>16</sub>	3/8 X 3/16	9/16
22	10 <sup>1</sup> / <sub>4</sub>	11 <sup>3</sup> / <sub>8</sub>	20 <sup>3</sup> / <sub>8</sub>	10 <sup>7</sup> / <sub>8</sub>	9 <sup>3</sup> / <sub>4</sub>	11 <sup>3</sup> / <sub>4</sub>	21	28 <sup>3</sup> / <sub>4</sub>	23 <sup>1</sup> / <sub>4</sub>	16 <sup>3</sup> / <sub>4</sub>	11 <sup>5</sup> / <sub>16</sub>	1/2 X 1/4	9/16
24	11 <sup>1</sup> / <sub>2</sub>	12 <sup>3</sup> / <sub>8</sub>	19 <sup>7</sup> / <sub>8</sub>	12 <sup>1</sup> / <sub>4</sub>	11	13	23 <sup>1</sup> / <sub>8</sub>	31 <sup>7</sup> / <sub>8</sub>	25 <sup>5</sup> / <sub>8</sub>	18 <sup>1</sup> / <sub>2</sub>	11 <sup>5</sup> / <sub>16</sub>	1/2 X 1/4	3/4
27	12 <sup>1</sup> / <sub>2</sub>	13 <sup>3</sup> / <sub>8</sub>	20 <sup>3</sup> / <sub>4</sub>	13 <sup>5</sup> / <sub>8</sub>	11 <sup>3</sup> / <sub>4</sub>	14 <sup>3</sup> / <sub>4</sub>	25 <sup>3</sup> / <sub>8</sub>	34 <sup>3</sup> / <sub>4</sub>	28 <sup>1</sup> / <sub>4</sub>	20 <sup>3</sup> / <sub>8</sub>	11 <sup>5</sup> / <sub>16</sub>	1/2 X 1/4	3/4
30	13 <sup>5</sup> / <sub>8</sub>	14 <sup>1</sup> / <sub>2</sub>	20 <sup>3</sup> / <sub>4</sub>	13 <sup>5</sup> / <sub>8</sub>	11 <sup>3</sup> / <sub>4</sub>	14 <sup>3</sup> / <sub>4</sub>	28 <sup>1</sup> / <sub>4</sub>	38 <sup>3</sup> / <sub>8</sub>	31 <sup>3</sup> / <sub>8</sub>	22 <sup>5</sup> / <sub>8</sub>	11 <sup>5</sup> / <sub>16</sub>	1/2 X 1/4	3/4
33	14 <sup>3</sup> / <sub>4</sub>	15 <sup>5</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>4</sub>	16	14	17	31 <sup>1</sup> / <sub>8</sub>	42 <sup>1</sup> / <sub>8</sub>	34 <sup>5</sup> / <sub>8</sub>	25 <sup>1</sup> / <sub>4</sub>	2 <sup>3</sup> / <sub>16</sub>	1/2 X 1/4	3/4
36	16 <sup>1</sup> / <sub>8</sub>	17	23 <sup>3</sup> / <sub>4</sub>	16	14	17	34 <sup>3</sup> / <sub>8</sub>	47 <sup>7</sup> / <sub>8</sub>	38 <sup>1</sup> / <sub>4</sub>	27 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	1/2 X 1/4	3/4

Tolerance: ± 1/16"

## FAN DISCHARGES — VIEWED FROM DRIVE SIDE



Clockwise—angular discharges at 45°



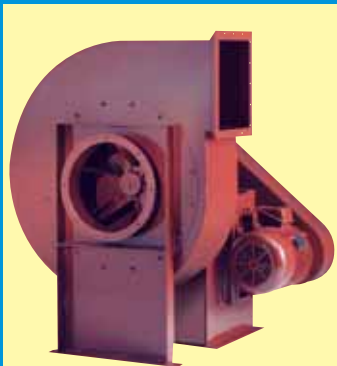
Counterclockwise—angular discharges at 45°

- ★ Sizes 22 through 36 may require removal of base angle and housing brace on outlet side to convert Bottom Horizontal or Down Blast discharge in the field. Size 30 and Size 36 with flanged outlet require a 1<sup>1</sup>/<sub>2</sub>" minimum shim on Bottom Horizontal discharge.
- † Down Blast fans with flanged outlets can only be equipped with a partial outlet flange so as to clear structures.

The New York Blower Company has a policy of continuous product development and reserves the right to change designs and specifications without notice.

# COMPLETE SELECTION OF AIR-MOVING EQUIPMENT

The New York Blower Company offers thousands of different types, models, and sizes of air-moving equipment. Contact your nyb representative for assistance in identifying the best fan for your application.



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Wide range of duty available with unique fan lines capable of handling light dust to heavy material. Typical applications include dust-collection and high-pressure process along with material-conveying.



## AIR-HANDLING [CENTRIFUGAL]

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## AIR-HANDLING [AXIAL]

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Plug fans, plenum fans, wheels, inlet cones, and housings for a wide variety of OEM applications. Process/fan components are used in air-handling units, ovens, dryers, freezer tunnels, and filtration systems.