MODELS B & FCB

BELT DRIVEN UTILITY VENT SETS

MODEL FEATURES

- Exhaust air to over 32,000 CFM with static pressure capabilities up to 8.5” w.g.
- Belt drives permit easy performance adjustments when needed
- Backward inclined or forward curved type wheels
- Airtight all welded construction
- Rotatable to 8 discharge orientations
- AMCA Seal for Air Performance
- cULus 705 and 762 Listings available

MODEL OPTIONS

MODEL NAME	TYPICAL APPLICATIONS	
B	Backward Inclined wheels	page 33
FCB	Forward Curved Wheel	page 49

MODEL OVERVIEW

ULTRAFAN-PAK fan wheels are the versatile, quiet, energy efficient backward inclined and forward curved type. Models B (backward inclined) and FCB (forward curved) utility sets are the best selection for many industrial, commercial and institutional projects. Typical applications include hood exhaust, welding fume exhaust and flammable gas exhaust. Ventilation of theaters, restaurants, stores, hotels, kitchens, gymnasiums, laundry rooms, lavatories and locker rooms are other common applications for utility sets.

ULTRAFAN-PAK fans by S&P are available in 13 sizes with wheel diameters from 7-3/4” through 36-1/2”. Wheel diameters are readily recognized from the model number. For example Model B 10 has a 10-1/2” diameter wheel and Model B 330 has a 33” diameter wheel. ULTRAFAN-PAK Class I fans deliver up to 26,000 cubic feet of air per minute (CFM) at static pressures (SP) up to 5” W.G. Class II fans deliver up to 32,000 CFM at SP up to 8.5” W.G.

For small or medium size general ventilation applications ULTRAFAN-PAK utility sets are the ideal choice. These easy to select, easy to install fans come prepackaged from the factory. Each self-contained unit includes the motor and adjustable drive as well as the fan assembly.

1 year fan housing warranty, 1 year motor warranty

CONSTRUCTION/SPECIFICATIONS

Wheels
Flat Blade Wheel—backwardly inclined non-overloading wheels standard on sizes 105 thru 245.
Airfoil Wheel—backward curved airfoil wheels standard on sizes 270 thru 365. All wheels are statically and dynamically balanced.

Inlet
Circular stamped ring. Rigid streamlined inlet.

Frame
All welded steel construction. Easy access to motor for servicing.

Housing
All are convertible and may be rotated easily to any of eight 45° positions.

Motor Base
Heavy construction assures sturdy base for motor mounting and features easy adjustment for belt tension.

Bearings
Self-aligning ball bearing pillow blocks. These bearings are designed to operate under the most severe atmospheric conditions.

Shaft
Ground and polished solid steel key-wayed on each end.

Motor
Commercial standard Fan and Blower duty motors are job-matched to each requirement. All types of current characteristics, enclosures and bearing construction are available. Adjustable V-Belt Drive High quality CAST Iron adjustable pitch motor sheaves are standard equipment. V-Belts with ample service factor are also employed. When performance data is specified, the blowers are factory set to exact blower speed to meet job requirements. Constant speed drives are also available.

Material Specifications Class 1 & 2

FAN SIZE	WHEEL DIAMETER	SHAFT DIAMETER		HOUSING GAUGES		WHEEL GAUGES					FRAME GAUGES	
						NO. OF BLADES	BLADES					
		CLASS 1	CLASS 2	BAND	FACE		BACK PLATE	CLASS 1	CLASS 2	END RING	DRIVE	INLET
105	$10^{1/2}$	3/4	1	20	16	12	10	12	10	14	16	—
122	$12^{1/4}$	1	$1^{3/16}$	16	16	12	3/16	12	3/16	14	14	16
135	$13^{1/2}$	1	$1^{3/16}$	16	14	12	3/16	12	3/16	14	14	16
150	15	1	$1^{3/16}$	16	14	12	3/16	12	3/16	14	14	16
165	$16^{1/2}$	1	$1^{3/16}$	16	14	12	3/16	10	3/16	14	14	16
182	$18^{1/4}$	13/16	$1^{7/16}$	16	14	12	3/16	10	3/16	14	14	14
200	20	13/16	$1^{7/16}$	14	14	12	3/16	3/16	3/16	14	12	14
222	$22^{1/4}$	13/16	$11^{1/16}$	14	12	12	3/16	3/16	10	14	12	14
245	$24^{1/2}$	17/16	$11^{1/16}$	14	12	12	3/16	3/16	10	14	12	12
270	27	17/16	$11^{1/16}$	14	12	11	3/16	16	16	14	12	12
300	30	$11^{1/16}$	$11^{5/16}$	14	12	11	3/16	16	16	14	12	12
330	33	$11^{1/16}$	$11^{5/16}$	14	12	11	1/4	16	16	14	10	10
365	$36^{1/2}$	$11^{5/16}$	$2^{3/16}$	12	10	11	1/4	16	16	14	10	10

Performance Characteristics
B-105

TIP SPEED (FPM) = 2.749 x RPM **OUTLET** { **.636 Sq. Ft. Inside** / **113/4" x 8" Outside** } **MAX. HP = .0387** $\left(\frac{RPM}{1000}\right)^3$

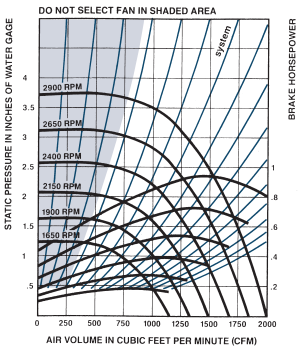
WHEEL DIAMETER—101/2" **INLET** { **.894 Sq. Ft. Inside** / **127/8" Dia. Outside** } **MAX. RPM** **CL.1 3623** **CL.2 4724**

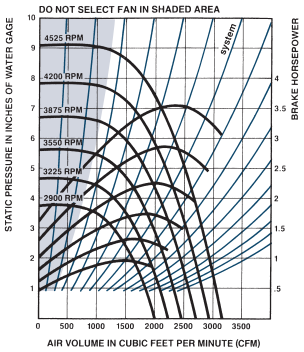
VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
509	800	965	0.03	**1177**	**0.06**	**1369**	**0.09**	1545	0.13	1709	0.16	—	—	—	—	—	—	—	—	—	—
572	900	1034	0.04	1227	0.07	**1407**	**0.10**	**1574**	**0.14**	1729	0.18	1876	0.22	—	—	—	—	—	—	—	—
363	1000	1106	0.05	1283	0.08	**1451**	**0.11**	**1609**	**0.15**	**1757**	**0.19**	1898	0.23	2159	0.33	—	—	—	—	—	—
700	1100	1183	0.06	1345	0.09	1502	0.13	1651	0.17	**1792**	**0.21**	**1926**	**0.25**	2178	0.35	2412	0.46	—	—	—	—
763	1200	1261	0.07	1411	0.11	1557	0.14	1698	0.18	**1832**	**0.23**	**1961**	**0.27**	**2204**	**0.37**	2429	0.48	2641	0.60	—	—
827	1300	1342	0.09	1481	0.12	1618	0.16	1750	0.20	**1878**	**0.25**	**2001**	**0.29**	**2234**	**0.40**	2452	0.51	2658	0.62	2853	0.75
890	1400	1425	0.10	1554	0.14	1682	0.18	1807	0.23	1928	0.27	**2046**	**0.32**	**2270**	**0.42**	2481	0.54	2680	0.66	2870	0.79
954	1500	1509	0.12	1629	0.16	1749	0.20	1867	0.25	1982	0.30	2095	0.35	**2310**	**0.45**	**2514**	**0.57**	2707	0.69	2892	0.82
1018	1600	1594	0.14	1707	0.18	1820	0.23	1931	0.28	2040	0.33	2148	0.38	**2354**	**0.49**	**2551**	**0.60**	**2739**	**0.73**	2919	0.86
1081	1700	1681	0.17	1786	0.21	1892	0.25	1998	0.30	2102	0.36	2204	0.41	2403	0.52	**2593**	**0.64**	**2774**	**0.77**	**2949**	**0.91**
1145	1800	1768	0.19	1867	0.23	1967	0.28	2067	0.34	2166	0.39	2264	0.45	2454	0.56	**2637**	**0.68**	**2814**	**0.82**	**2983**	**0.95**
1208	1900	1865	0.22	1949	0.27	2044	0.32	2139	0.37	2233	0.43	2326	0.48	2509	0.60	2686	0.73	**2857**	**0.86**	**3021**	**1.00**
1272	2000	1945	0.25	2032	0.30	2122	0.35	2213	0.41	2302	0.46	2391	0.52	2567	0.65	2737	0.78	**2903**	**0.91**	**3063**	**1.06**
1336	2100	2033	0.29	2116	0.34	2202	0.39	2288	0.45	2374	0.51	2459	0.57	2627	0.70	2792	0.83	2952	0.97	**3107**	**1.12**
1399	2200	2121	0.33	2201	0.38	2283	0.43	2365	0.49	2447	0.55	2529	0.61	2690	0.75	2849	0.89	3003	1.03	3154	1.18
1463	2300	2210	0.37	2287	0.42	2365	0.47	2443	0.53	2522	0.60	2600	0.66	2755	0.80	2908	0.94	3058	1.09	3204	1.24
1526	2400	2298	0.41	2373	0.47	2447	0.52	2523	0.58	2598	0.65	2673	0.72	2822	0.86	2970	1.01	3115	1.16	3257	1.31
1654	2600	2475	0.51	2548	0.57	2615	0.63	2685	0.70	2754	0.76	2824	0.84	2962	0.98	3099	1.14	3235	1.30	3369	1.46
1781	2800	2655	0.63	2725	0.70	2786	0.76	2850	0.82	2915	0.90	2979	0.97	3108	1.13	3236	1.29	3363	1.46	3489	1.63
1908	3000	2841	0.77	2902	0.84	2960	0.90	3018	0.97	3078	1.05	3138	1.12	3259	1.28	3379	1.46	3498	1.63	3617	1.81
2035	3200	3027	0.93	3078	0.99	3135	1.07	3189	1.14	3244	1.21	3301	1.29	3414	1.46	3527	1.64	3639	1.82	3751	2.01
2162	3400	3200	1.09	3255	1.17	3311	1.25	3362	1.32	3413	1.40	3466	1.49	3573	1.66	3679	1.84	3785	2.04	3890	2.23

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1208	1900	**3181**	**1.15**	**3335**	**1.31**	3485	1.47	3630	1.63	3772	1.81	3910	1.98	4045	2.17	4176	2.36	—	—	—	—
1272	2000	**3218**	**1.21**	**3368**	**1.36**	**3515**	**1.53**	3657	1.70	3796	1.87	3931	2.05	4063	2.24	4192	2.43	4319	2.63	4443	2.83
1336	2100	**3258**	**1.27**	**3405**	**1.43**	**3548**	**1.59**	**3687**	**1.76**	3823	1.94	3955	2.12	4085	2.31	4212	2.50	4336	2.70	4458	2.91
1399	2200	**3301**	**1.33**	**3444**	**1.50**	**3584**	**1.66**	**3720**	**1.84**	**3853**	**2.01**	3983	2.20	4110	2.39	4235	2.58	4357	2.78	4477	2.99
1463	2300	**3347**	**1.40**	**3487**	**1.57**	**3623**	**1.74**	**3756**	**1.91**	**3886**	**2.09**	**4013**	**2.28**	4138	2.47	4261	2.67	4380	2.87	4498	3.08
1526	2400	3396	1.47	**3532**	**1.64**	**3665**	**1.81**	**3795**	**1.99**	**3922**	**2.18**	**4047**	**2.37**	**4169**	2.56	4289	2.76	4407	2.96	4523	3.17
1654	2600	3500	1.63	3629	1.81	**3756**	**1.98**	**3880**	**2.17**	**4002**	**2.36**	**4122**	**2.55**	**4239**	**2.75**	**4355**	**2.96**	**4468**	**3.16**	4580	**3.38**
1781	2800	3613	1.81	3736	1.99	3856	2.17	3975	2.36	**4091**	**2.56**	**4206**	**2.76**	**4319**	**2.96**	**4430**	**3.17**	**4540**	**3.39**	**4647**	**3.60**
1908	3000	3734	2.00	3850	2.19	3965	2.38	4078	2.58	4189	2.78	4299	2.98	**4408**	**3.19**	**4515**	**3.41**	**4620**	**3.63**	**4724**	**3.85**
2035	3200	3862	2.21	3972	2.41	4081	2.61	4189	2.81	4295	3.02	4401	3.23	4505	3.45	4607	3.67	**4709**	**3.89**	—	—
2162	3400	3995	2.44	4100	2.64	4204	2.85	4306	3.06	4408	3.28	4509	3.50	4609	3.72	4708	3.95	—	—	—	—
2290	3600	4134	2.68	4234	2.90	4332	3.12	4430	3.34	4528	3.56	4624	3.79	4720	4.02	—	—	—	—	—	—
2417	3800	4278	2.95	4372	3.18	4466	3.40	4560	3.63	4653	3.87	—	—	—	—	—	—	—	—	—	—
2544	4000	4425	3.24	4515	3.48	4605	3.71	4694	3.95	—	—	—	—	—	—	—	—	—	—	—	—
2671	4200	4576	3.56	4662	3.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

Class I Blowers
Class II Blowers





B-122

TIP SPEED (FPM) = 3.207 x RPM

WHEEL DIAMETER—121/4"

OUTLET { .858 Sq. Ft. Inside, 131/4" x 95/8" Outside

INLET { .921 Sq. Ft. Inside, 131/4" Dia. Outside

MAX. HP = .1009 $\left(\frac{RPM}{1000}\right)^3$

MAX. RPM
CL.1 2978
CL.2 3883

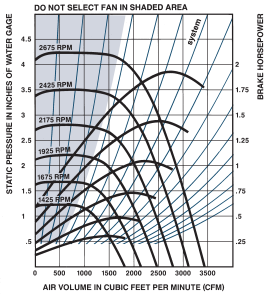
VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
686	800	756	0.04	**955**	**0.08**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
772	900	804	0.05	**981**	**0.09**	**1155**	**0.13**	—	—	—	—	—	—	—	—	—	—	—	—	—	—
858	1000	856	0.06	1015	0.10	**1174**	**0.15**	1328	0.10	—	—	—	—	—	—	—	—	—	—	—	—
944	1100	911	0.08	1056	0.12	**1201**	**0.16**	**1344**	**0.22**	1482	0.28	—	—	—	—	—	—	—	—	—	—
1030	1200	968	0.09	1101	0.13	1234	0.18	**1367**	**0.24**	**1497**	**0.30**	1623	0.36	—	—	—	—	—	—	—	—
1115	1300	1025	0.11	1151	0.15	1273	0.20	**1396**	**0.26**	**1518**	**0.32**	**1638**	**0.39**	—	—	—	—	—	—	—	—
1201	1400	1084	0.13	1203	0.18	1317	0.23	1431	0.28	**1545**	**0.34**	**1657**	**0.41**	1876	0.56	—	—	—	—	—	—
1287	1500	1143	0.15	1258	0.20	1364	0.25	1470	0.31	**1576**	**0.37**	**1683**	**0.44**	**1891**	**0.59**	2090	0.76	—	—	—	—
1373	1600	1204	0.17	1313	0.23	1414	0.28	1513	0.34	1613	0.41	**1713**	**0.48**	**1910**	**0.63**	2102	0.80	—	—	—	—
1459	1700	1266	0.20	1370	0.26	1466	0.32	1559	0.38	1653	0.44	1747	0.51	**1934**	**0.67**	**2118**	**0.84**	2296	1.03	—	—
1544	1800	1328	0.23	1428	0.29	1520	0.35	1608	0.42	1696	0.48	1785	0.55	**1963**	**0.71**	**2138**	**0.89**	2310	1.07	2476	1.28
1630	1900	1392	0.26	1486	0.32	1575	0.39	1660	0.46	1743	0.53	1827	0.60	**1995**	**0.76**	**2162**	**0.93**	**2327**	**1.13**	2488	1.33
1716	2000	1456	0.30	1545	0.36	1631	0.43	1713	0.50	1792	0.58	1871	0.65	2031	0.81	**2190**	**0.99**	**2349**	**1.18**	**2504**	**1.39**
1802	2100	1520	0.34	1604	0.40	1688	0.48	1767	0.55	1843	0.63	1918	0.70	2070	0.87	**2222**	**1.04**	**2374**	**1.24**	**2523**	**1.45**
1888	2200	1583	0.38	1664	0.45	1746	0.53	1822	0.61	1895	0.68	1967	0.76	2112	0.93	2257	1.11	**2402**	**1.30**	**2546**	**1.51**
1973	2300	1647	0.43	1725	0.50	1804	0.58	1879	0.66	1949	0.74	2018	0.83	2156	0.99	2295	1.18	2434	1.37	**2573**	**1.58**
2059	2400	1711	0.48	1787	0.55	1863	0.64	1935	0.72	2004	0.81	2071	0.89	2203	1.07	2336	1.25	2469	1.45	2602	1.66
2231	2600	1839	0.59	1913	0.67	1982	0.76	2051	0.85	2116	0.95	2179	1.04	2302	1.22	2424	1.41	2546	1.62	2669	1.83
2402	2800	1970	0.72	2040	0.82	2103	0.90	2168	1.00	2231	1.10	2291	1.20	2407	1.40	2520	1.60	2633	1.81	2747	2.03
2574	3000	2104	0.88	2168	0.98	2227	1.07	2287	1.17	2347	1.28	2405	1.38	2515	1.60	2622	1.81	2727	2.03	2833	2.25
2746	3200	2238	1.06	2296	1.15	2353	1.25	2408	1.36	2465	1.47	2521	1.58	2627	1.81	2728	2.04	2827	2.27	2926	2.50
2917	3400	2369	1.25	2423	1.35	2480	1.47	2531	1.57	2584	1.69	2638	1.81	2740	2.05	2838	2.29	2932	2.53	3025	2.77

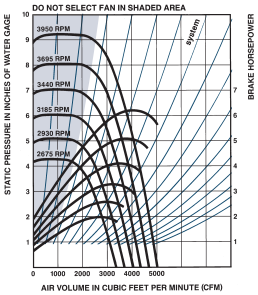
VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1802	2100	**2670**	**1.67**	2814	1.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1888	2200	**2688**	**1.74**	**2828**	**1.97**	2965	2.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973	2300	**2710**	**1.81**	**2845**	**2.05**	**2978**	**2.29**	3108	2.55	—	—	—	—	—	—	—	—	—	—	—	—
2059	2400	**2734**	**1.89**	**2865**	**2.13**	**2995**	**2.38**	**3122**	**2.63**	3246	2.90	—	—	—	—	—	—	—	—	—	—
2231	2600	**2792**	**2.06**	**2915**	**2.30**	**3036**	**2.56**	**3157**	**2.82**	**3275**	**3.09**	**3392**	**3.37**	3507	3.67	3621	3.97	—	—	—	—
2402	2800	2861	2.26	**2976**	**2.50**	**3089**	**2.76**	**3203**	**3.03**	**3315**	**3.31**	**3426**	**3.59**	**3536**	**3.89**	**3645**	**4.19**	3752	4.50	3858	4.82
2574	3000	2939	2.48	3046	2.73	**3153**	**2.99**	**3259**	**3.26**	**3365**	**3.54**	**3471**	**3.83**	**3575**	**4.13**	**3679**	**4.44**	**3782**	**4.76**	**3883**	**5.08**
2746	3200	3026	2.74	3125	2.99	3225	3.25	3325	3.52	**3425**	**3.81**	**3525**	**4.10**	**3624**	**4.40**	**3723**	**4.72**	**3820**	**5.04**	—	—
2917	3400	3118	3.02	3212	3.28	3305	3.54	3399	3.82	3494	4.10	**3588**	**4.40**	**3682**	**4.71**	**3775**	**5.02**	**3869**	**5.35**	—	—
3089	3600	3216	3.33	3304	3.60	3393	3.87	3481	4.14	3570	4.43	3659	4.73	3748	5.04	**3837**	**5.36**	—	—	—	—
3260	3800	3319	3.67	3402	3.94	3486	4.22	3569	4.51	3653	4.80	3737	5.10	3821	5.41	—	—	—	—	—	—
3432	4000	3425	4.04	3504	4.32	3584	4.61	3663	4.90	3742	5.20	3822	5.50	—	—	—	—	—	—	—	—
3604	4200	3534	4.43	3610	4.73	3686	5.03	3761	5.33	3836	5.63	—	—	—	—	—	—	—	—	—	—
3775	4400	3645	4.85	3718	5.16	3791	5.47	3863	5.79	—	—	—	—	—	—	—	—	—	—	—	—
3947	4600	3757	5.30	3828	5.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4118	4800	3871	5.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

Class I Blowers

Class II Blowers





Performance B-135

TIP SPEED (FPM) = 3.534 x RPM

OUTLET { 1.049 Sq. Ft. Inside; 145/8" x 103/4" Outside

MAX. HP = .1567 $\left(\frac{RPM}{1000}\right)^3$

WHEEL DIAMETER—131/2"

INLET { 1.108 Sq. Ft. Inside; 141/2" Dia. Outside

MAX. RPM
CL.1 2702
CL.2 3524

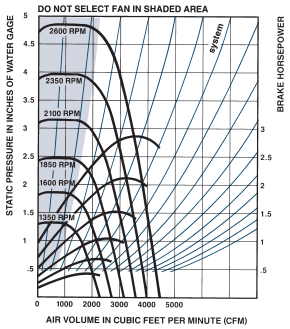
VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
839	800	686	0.05	**867**	**0.10**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
944	900	730	0.06	**890**	**0.11**	**1048**	**0.16**	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1049	1000	777	0.08	921	0.12	**1066**	**0.18**	1205	0.24	—	—	—	—	—	—	—	—	—	—	—	—
1154	1100	827	0.09	958	0.14	**1090**	**0.20**	**1220**	**0.26**	1345	0.34	—	—	—	—	—	—	—	—	—	—
1259	1200	878	0.11	999	0.16	1120	0.22	**1241**	**0.29**	**1359**	**0.36**	1473	0.44	—	—	—	—	—	—	—	—
1364	1300	930	0.13	1044	0.19	1155	0.25	**1267**	**0.31**	**1378**	**0.39**	**1486**	**0.47**	—	—	—	—	—	—	—	—
1469	1400	984	0.15	1092	0.21	1195	0.27	1298	0.34	**1402**	**0.42**	**1504**	**0.50**	1702	0.68	—	—	—	—	—	—
1574	1500	1037	0.18	1141	0.24	1237	0.31	1334	0.38	**1430**	**0.45**	**1527**	**0.54**	**1716**	**0.72**	1897	0.93	—	—	—	—
1678	1600	1092	0.21	1192	0.28	1283	0.34	1373	0.42	1463	0.49	**1554**	**0.58**	**1733**	**0.77**	1907	0.97	—	—	—	—
1783	1700	1148	0.24	1243	0.31	1330	0.38	1415	0.46	1500	0.54	1585	0.62	**1755**	**0.81**	**1922**	**1.02**	2083	1.25	—	—
1888	1800	1205	0.27	1296	0.35	1379	0.43	1459	0.51	1539	0.59	1620	0.67	**1781**	**0.86**	**1940**	**1.08**	**2096**	**1.30**	2247	1.55
1993	1900	1263	0.31	1348	0.39	1429	0.48	1506	0.56	1581	0.64	1657	0.73	**1810**	**0.92**	**1962**	**1.13**	**2112**	**1.37**	**2258**	**1.61**
2098	2000	1321	0.36	1402	0.44	1480	0.53	1554	0.61	1626	0.70	1698	0.79	1843	0.98	**1988**	**1.20**	**2131**	**1.43**	**2272**	**1.68**
2203	2100	1379	0.41	1456	0.49	1532	0.58	1603	0.67	1672	0.76	1741	0.86	1878	1.05	**2016**	**1.27**	**2154**	**1.50**	**2290**	**1.76**
2308	2200	1437	0.46	1510	0.55	1584	0.64	1654	0.74	1720	0.83	1785	0.93	1916	1.13	2048	1.34	**2180**	**1.58**	**2311**	**1.84**
2413	2300	1495	0.52	1566	0.61	1637	0.70	1705	0.80	1769	0.90	1832	1.00	1957	1.21	2082	1.43	**2209**	**1.67**	**2334**	**1.92**
2518	2400	1552	0.58	1622	0.67	1690	0.77	1756	0.88	1819	0.98	1879	1.08	1999	1.29	2119	1.52	2240	1.76	**2361**	**2.02**
2727	2600	1668	0.72	1736	0.82	1798	0.92	1861	1.04	1920	1.15	1978	1.26	2089	1.49	2199	1.72	2311	1.96	2422	2.22
2937	2800	1787	0.88	1851	0.99	1908	1.10	1967	1.22	2024	1.34	2079	1.46	2184	1.70	2287	1.94	2389	2.20	2493	2.46
3147	3000	1909	1.07	1967	1.18	2020	1.30	2075	1.42	2130	1.55	2182	1.68	2282	1.94	2379	2.20	2475	2.46	2571	2.73
3357	3200	2030	1.28	2083	1.40	2135	1.52	2185	1.65	2236	1.79	2287	1.92	2384	2.20	2475	2.48	2566	2.75	2655	3.04
3567	3400	2150	1.52	2199	1.64	2250	1.78	2297	1.91	2345	2.05	2393	2.19	2487	2.49	2575	2.78	2660	3.08	2745	3.37

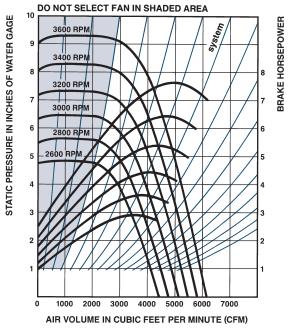
VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2203	2100	**2423**	**2.03**	2553	2.31	2681	2.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2308	2200	**2440**	**2.11**	**2566**	**2.39**	2690	2.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2413	2300	**2459**	**2.20**	**2582**	**2.48**	**2702**	**2.78**	2821	3.10	2936	3.42	—	—	—	—	—	—	—	—	—	—
2518	2400	**2481**	**2.29**	**2600**	**2.58**	**2717**	**2.88**	**2833**	**3.20**	2946	3.53	3057	3.86	—	—	—	—	—	—	—	—
2727	2600	**2534**	**2.50**	**2645**	**2.80**	**2755**	**3.10**	**2864**	**3.42**	**2972**	**3.76**	**3078**	**4.10**	3183	4.45	3285	4.82	—	—	—	—
2937	2800	2596	2.74	**2700**	**3.04**	**2803**	**3.35**	**2906**	**3.68**	**3008**	**4.01**	**3109**	**4.36**	**3209**	**4.72**	**3307**	**5.09**	3405	5.47	3501	5.86
3147	3000	2667	3.02	2764	3.32	**2861**	**3.63**	**2957**	**3.96**	**3054**	**4.30**	**3149**	**4.66**	**3244**	**5.02**	**3338**	**5.39**	**3431**	**5.78**	**3524**	**6.17**
3357	3200	2745	3.33	2836	3.63	2927	3.95	3017	4.28	**3108**	**4.62**	**3198**	**4.98**	**3288**	**5.35**	**3378**	**5.73**	**3467**	**6.12**	—	—
3567	3400	2830	3.67	2914	3.98	2999	4.30	3085	4.64	3170	4.98	**3256**	**5.34**	**3341**	**5.71**	**3426**	**6.10**	**3510**	**6.49**	—	—
3776	3600	2919	4.05	2998	4.37	3079	4.70	3159	5.03	3239	5.38	3320	5.75	3401	6.12	**3481**	**6.51**	—	—	—	—
3986	3800	3012	4.46	3087	4.79	3163	5.13	3239	5.47	3315	5.83	3391	6.19	3467	6.57	—	—	—	—	—	—
4196	4000	3108	4.90	3180	5.25	3252	5.60	3324	5.95	3396	6.31	3468	6.69	—	—	—	—	—	—	—	—
4406	4200	3207	5.38	3276	5.74	3344	6.10	3413	6.47	3481	6.84	—	—	—	—	—	—	—	—	—	—
4616	4400	3307	5.89	3374	6.27	3440	6.65	3505	7.03	—	—	—	—	—	—	—	—	—	—	—	—
4825	4600	3409	6.44	3474	6.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5035	4800	3512	7.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

Class I Blowers

Class II Blowers





Performance B-150

TIP SPEED (FPM) = 3.927 x RPM

OUTLET { 1.280 Sq. Ft. Inside; 161/4" x 113/4" Outside

MAX. HP = .2575 $\left(\frac{RPM}{1000}\right)^3$

WHEEL DIAMETER—15"

INLET { 1.374 Sq. Ft. Inside; 161/8" Dia. Outside

MAX. RPM
CL.1 2458
CL.2 3205

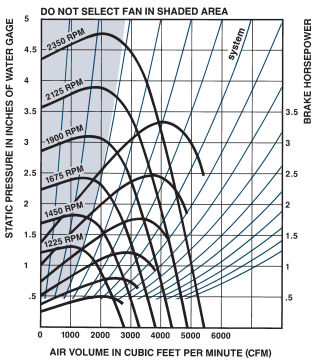
VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1024	800	631	0.06	**791**	**0.11**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1152	900	670	0.08	**816**	**0.13**	954	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1280	1000	712	0.09	846	0.15	**973**	**0.21**	1095	0.30	—	—	—	—	—	—	—	—	—	—	—	—
1408	1100	757	0.11	880	0.17	**998**	**0.24**	**1112**	**0.32**	1222	0.42	—	—	—	—	—	—	—	—	—	—
1536	1200	803	0.13	918	0.20	1028	0.27	**1135**	**0.34**	**1238**	**0.43**	1338	0.55	—	—	—	—	—	—	—	—
1664	1300	850	0.15	959	0.22	1061	0.30	**1161**	**0.38**	**1259**	**0.46**	**1353**	**0.57**	—	—	—	—	—	—	—	—
1792	1400	898	0.18	1001	0.25	1098	0.34	1192	0.42	**1283**	**0.51**	**1373**	**0.60**	1546	0.85	—	—	—	—	—	—
1920	1500	947	0.20	1045	0.29	1136	0.37	1225	0.46	1312	0.55	**1397**	**0.65**	**1562**	**0.87**	—	—	—	—	—	—
2048	1600	997	0.23	1091	0.33	1177	0.41	1261	0.51	1343	0.61	**1424**	**0.70**	**1582**	**0.91**	1734	1.20	—	—	—	—
2176	1700	1047	0.27	1137	0.37	1220	0.46	1300	0.56	1378	0.66	1455	0.76	**1605**	**0.97**	**1751**	**1.23**	1892	1.56	—	—
2304	1800	1099	0.31	1184	0.41	1264	0.51	1340	0.61	1414	0.72	1487	0.83	**1631**	**1.05**	**1771**	**1.29**	1907	1.59	—	—
2432	1900	1151	0.35	1232	0.46	1309	0.57	1382	0.67	1453	0.78	1523	0.90	1660	1.13	**1795**	**1.36**	**1925**	**1.64**	2053	1.98
2560	2000	1203	0.39	1280	0.51	1355	0.63	1425	0.73	1493	0.84	1560	0.96	1692	1.21	**1821**	**1.45**	**1947**	**1.71**	2070	2.03
2688	2100	1256	0.44	1329	0.57	1401	0.69	1469	0.80	1534	0.92	1599	1.04	1725	1.30	1849	1.55	**1971**	**1.81**	**2089**	**2.10**
2816	2200	1309	0.49	1378	0.62	1448	0.76	1514	0.88	1577	0.99	1639	1.12	1760	1.38	1880	1.65	**1997**	**1.92**	**2112**	**2.20**
2944	2300	1362	0.55	1428	0.69	1496	0.83	1560	0.95	1621	1.08	1681	1.20	1797	1.48	1912	1.76	2025	2.03	**2136**	**2.32**
3072	2400	1415	0.61	1479	0.76	1544	0.90	1606	1.04	1666	1.17	1723	1.30	1836	1.57	1947	1.87	2056	2.16	**2163**	**2.45**
3328	2600	1521	0.75	1582	0.91	1641	1.06	1701	1.22	1757	1.36	1812	1.50	1917	1.79	2021	2.10	2122	2.42	2223	2.73
3584	2800	1629	0.91	1687	1.08	1741	1.25	1797	1.42	1851	1.58	1903	1.73	2003	2.03	2100	2.35	2195	2.69	2290	3.03
3840	3000	1740	1.10	1792	1.28	1842	1.45	1894	1.64	1946	1.82	1996	1.99	2091	2.31	2183	2.64	2273	2.98	2362	3.35
4096	3200	1850	1.31	1898	1.50	1946	1.68	1994	1.88	2042	2.07	2090	2.26	2182	2.62	2269	2.96	2355	3.31	2439	3.69
4352	3400	1953	1.52	2004	1.74	2050	1.94	2095	2.14	2140	2.35	2186	2.56	2274	2.95	2358	3.31	2440	3.68	2520	4.06

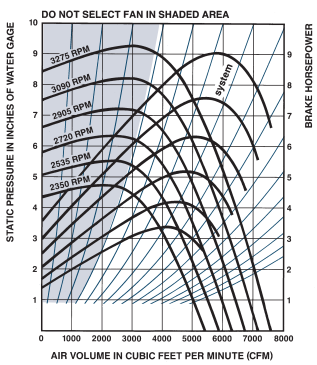
VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2688	2100	2206	2.46	2320	2.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2816	2200	**2225**	**2.53**	2335	2.91	2443	3.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2944	2300	**2246**	**2.63**	**2353**	**2.99**	2458	3.40	2562	3.86	—	—	—	—	—	—	—	—	—	—	—	—
3072	2400	**2269**	**2.75**	**2373**	**3.09**	**2476**	**3.48**	2576	3.92	2675	4.40	—	—	—	—	—	—	—	—	—	—
3328	2600	2322	3.04	**2420**	**3.36**	**2517**	**3.71**	**2613**	**4.10**	**2707**	**4.54**	2799	5.03	2890	5.55	—	—	—	—	—	—
3584	2800	2383	3.37	2476	3.71	**2567**	**4.05**	**2657**	**4.40**	**2747**	**4.80**	**2835**	**5.23**	**2922**	**5.71**	3008	6.23	3093	6.80	—	—
3840	3000	2450	3.72	2537	4.08	2624	4.44	**2710**	**4.80**	**2794**	**5.17**	**2878**	**5.57**	**2961**	**6.00**	**3044**	**6.47**	**3125**	**6.99**	3205	7.54
4096	3200	2522	4.08	2605	4.47	2687	4.86	2768	5.24	**2849**	**5.63**	**2929**	**6.02**	**3008**	**6.42**	**3087**	**6.85**	**3164**	**7.32**	—	—
4352	3400	2599	4.46	2677	4.88	2755	5.29	2833	5.71	2909	6.12	2985	6.53	**3061**	**6.93**	**3136**	**7.35**	—	—	—	—
4608	3600	2680	4.89	2754	5.31	2828	5.75	2902	6.19	2975	6.63	3048	7.07	3120	7.50	**3192**	**7.93**	—	—	—	—
4864	3800	2763	5.35	2835	5.78	2905	6.23	2975	6.70	3045	7.16	3115	7.63	3184	8.09	—	—	—	—	—	—
5120	4000	2850	5.86	2918	6.30	2986	6.76	3053	7.23	3120	7.72	3186	8.21	—	—	—	—	—	—	—	—
5376	4200	2938	6.41	3004	6.86	3069	7.33	3133	7.81	3197	8.31	—	—	—	—	—	—	—	—	—	—
5632	4400	3028	7.00	3092	7.47	3155	7.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5888	4600	3120	7.64	3182	8.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

Class I Blowers

Class II Blowers





Performance B-165

TIP SPEED (FPM) = 4.320 x RPM **OUTLET** { **1.560 Sq. Ft. Inside** **173/4" x 13" Outside** **MAX. HP = .4142** $\left(\frac{RPM}{1000}\right)^3$

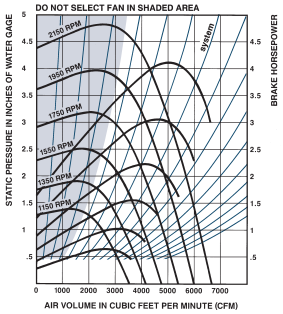
WHEEL DIAMETER—161/2" **INLET** { **1.67 Sq. Ft. Inside** **177/8" Dia. Outside** **MAX. RPM** **CL.1 2235** **CL.2 2914**

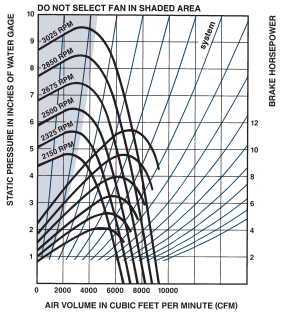
VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1248	800	573	0.08	**719**	**0.14**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1404	900	609	0.09	**742**	**0.16**	867	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1560	1000	648	0.11	769	0.18	**885**	**0.26**	995	0.36	—	—	—	—	—	—	—	—	—	—	—	—
1716	1100	688	0.13	800	0.21	**908**	**0.29**	**1011**	**0.38**	1111	0.51	—	—	—	—	—	—	—	—	—	—
1872	1200	730	0.16	835	0.24	934	0.33	**1031**	**0.42**	**1125**	**0.53**	1216	0.67	—	—	—	—	—	—	—	—
2028	1300	773	0.18	871	0.27	965	0.37	**1056**	**0.46**	**1144**	**0.56**	**1230**	**0.69**	—	—	—	—	—	—	—	—
2184	1400	817	0.21	910	0.31	998	0.41	1083	0.51	**1167**	**0.61**	**1248**	**0.73**	1406	1.03	—	—	—	—	—	—
2340	1500	861	0.25	950	0.35	1033	0.45	1114	0.56	1193	0.67	**1270**	**0.78**	**1420**	**1.06**	—	—	—	—	—	—
2496	1600	906	0.28	992	0.40	1070	0.50	1146	0.62	1221	0.73	**1295**	**0.85**	**1438**	**1.11**	1576	1.45	—	—	—	—
2652	1700	952	0.32	1034	0.45	1109	0.56	1181	0.68	1252	0.80	1322	0.93	**1459**	**1.18**	**1592**	**1.49**	1720	1.88	—	—
2808	1800	999	0.37	1077	0.50	1149	0.62	1218	0.74	1286	0.87	1352	1.00	**1483**	**1.27**	**1610**	**1.56**	1734	1.92	—	—
2964	1900	1046	0.42	1120	0.56	1190	0.68	1256	0.81	1321	0.94	1384	1.08	1509	1.36	**1631**	**1.65**	**1750**	**1.98**	1866	2.40
3120	2000	1094	0.47	1164	0.62	1231	0.76	1295	0.89	1357	1.02	1418	1.17	1538	1.46	1655	1.75	**1770**	**2.07**	**1882**	**2.46**
3276	2100	1142	0.53	1208	0.69	1274	0.83	1335	0.97	1395	1.11	1453	1.26	1568	1.57	1681	1.87	**1791**	**2.19**	**1900**	**2.54**
3432	2200	1190	0.60	1253	0.76	1317	0.91	1376	1.06	1434	1.20	1490	1.35	1600	1.67	1709	2.00	**1815**	**2.32**	**1920**	**2.66**
3588	2300	1238	0.67	1299	0.83	1360	1.00	1418	1.16	1474	1.30	1528	1.46	1634	1.79	1738	2.13	1841	2.46	**1942**	**2.80**
3744	2400	1286	0.74	1345	0.91	1403	1.09	1460	1.26	1514	1.41	1567	1.57	1669	1.90	1770	2.26	1869	2.61	**1967**	**2.96**
4056	2600	1383	0.91	1438	1.10	1492	1.29	1546	1.48	1597	1.65	1647	1.82	1743	2.16	1837	2.54	1929	2.92	2021	3.30
4368	2800	1481	1.10	1533	1.31	1583	1.51	1633	1.72	1682	1.91	1730	2.10	1821	2.46	1909	2.84	1996	3.25	2081	3.67
4680	3000	1582	1.33	1629	1.55	1675	1.76	1722	1.98	1769	2.20	1814	2.41	1901	2.79	1984	3.19	2066	3.61	2147	4.05
4992	3200	1682	1.59	1726	1.81	1769	2.04	1812	2.27	1857	2.51	1900	2.74	1983	3.16	2063	3.58	2141	4.01	2217	4.46
5304	3400	1776	1.84	1822	2.11	1864	2.35	1904	2.59	1946	2.85	1987	3.10	2068	3.57	2144	4.01	2218	4.45	2291	4.91

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3276	2100	**2005**	**2.97**	2109	3.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3432	2200	**2022**	**3.06**	2123	3.53	2221	4.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3588	2300	**2042**	**3.18**	**2139**	**3.61**	2235	4.12	2329	4.67	—	—	—	—	—	—	—	—	—	—	—	—
3744	2400	**2063**	**3.33**	**2158**	**3.73**	**2251**	**4.21**	2342	4.74	2432	5.33	—	—	—	—	—	—	—	—	—	—
4056	2600	**2111**	**3.68**	**2200**	**4.07**	**2288**	**4.49**	**2375**	**4.96**	**2461**	**5.49**	2545	6.08	2628	6.72	—	—	—	—	—	—
4368	2800	2166	4.08	2250	4.48	**2334**	**4.90**	**2416**	**5.33**	**2497**	**5.80**	**2577**	**6.33**	**2656**	**6.91**	2735	7.54	2812	8.22	—	—
4680	3000	2227	4.50	2307	4.94	2385	5.37	**2463**	**5.81**	**2540**	**6.26**	**2617**	**6.74**	**2692**	**7.26**	**2767**	**7.83**	**2841**	**8.45**	2914	9.13
4992	3200	2293	4.93	2368	5.41	2443	5.88	2517	6.34	**2590**	**6.81**	**2663**	**7.28**	**2735**	**7.77**	**2806**	**8.29**	**2877**	**8.85**	—	—
5304	3400	2363	5.40	2434	5.90	2505	6.41	2575	6.91	2645	7.40	2714	7.90	2783	**8.39**	**2851**	**8.90**	—	—	—	—
5616	3600	2436	5.91	2504	6.43	2571	6.96	2638	7.49	2705	8.02	2771	8.55	2836	9.07	**2901**	**9.59**	—	—	—	—
5928	3800	2512	6.47	2577	7.00	2641	7.54	2705	8.10	2768	8.67	2831	9.23	2894	9.79	—	—	—	—	—	—
6240	4000	2591	7.09	2653	7.62	2714	8.18	2775	8.75	2836	9.34	2896	9.93	—	—	—	—	—	—	—	—
6552	4200	2671	7.75	2731	8.30	2790	8.87	2848	9.45	2907	10.05	—	—	—	—	—	—	—	—	—	—
6864	4400	2753	8.47	2811	9.04	2868	9.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7176	4600	2836	9.24	2892	9.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

Class I Blowers
Class II Blowers





Performance B-182

TIP SPEED (FPM) = 4.778 x RPM

OUTLET { 1.899 Sq. Ft. Inside; 195/8" x 141/4" Outside

MAX. HP = .6444 $\left(\frac{RPM}{1000}\right)^3$

WHEEL DIAMETER—181/4"

INLET { 2.02 Sq. Ft. Inside; 195/8" Dia. Outside

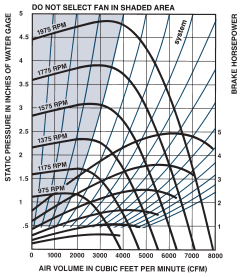
MAX. RPM
CL.1 2044
CL.2 2666

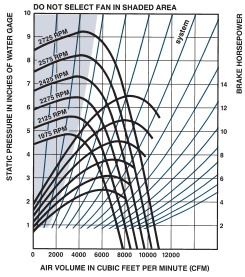
VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1519	800	527	0.09	**658**	**0.17**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1709	900	562	0.11	**679**	**0.19**	**793**	**0.28**	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1899	1000	599	0.14	705	0.22	**809**	**0.31**	**911**	**0.42**	—	—	—	—	—	—	—	—	—	—	—	—
2089	1100	638	0.16	736	0.25	**831**	**0.35**	**925**	**0.46**	**1016**	**0.59**	—	—	—	—	—	—	—	—	—	—
2279	1200	677	0.19	769	0.29	**857**	**0.39**	**944**	**0.50**	**1029**	**0.63**	**1113**	**0.77**	—	—	—	—	—	—	—	—
2469	1300	718	0.23	805	0.33	886	0.44	**967**	**0.55**	**1047**	**0.68**	**1125**	**0.82**	—	—	—	—	—	—	—	—
2659	1400	759	0.27	842	0.38	918	0.49	**993**	**0.61**	**1068**	**0.74**	**1142**	**0.88**	**1286**	**1.19**	—	—	—	—	—	—
2849	1500	801	0.31	880	0.43	952	0.55	1023	0.67	**1093**	**0.81**	**1163**	**0.95**	**1299**	**1.26**	**1432**	**1.62**	—	—	—	—
3038	1600	844	0.36	919	0.49	988	0.62	1055	0.74	1121	0.88	**1186**	**1.02**	**1316**	**1.34**	**1442**	**1.70**	—	—	—	—
3228	1700	888	0.42	959	0.55	1026	0.69	1089	0.82	1151	0.96	1213	**1.11**	**1335**	**1.43**	**1456**	**1.79**	**1574**	**2.18**	—	—
3418	1800	933	0.48	1000	0.62	1064	0.76	1124	0.91	1183	1.05	1242	1.20	**1358**	**1.53**	**1473**	**1.89**	**1586**	**2.28**	**1697**	**2.70**
3608	1900	978	0.55	1040	0.69	1103	0.85	1161	1.00	1217	1.15	1273	1.30	**1383**	**1.63**	**1493**	**2.00**	**1601**	**2.39**	**1707**	**2.82**
3798	2000	1023	0.63	1082	0.77	1142	0.94	1198	1.09	1252	1.25	1305	1.41	1411	1.75	**1515**	**2.12**	**1619**	**2.52**	**1721**	**2.94**
3988	2100	1068	0.71	1124	0.86	1182	1.03	1237	1.20	1289	1.36	1340	1.53	1440	1.88	**1540**	**2.25**	**1639**	**2.65**	**1738**	**3.08**
4178	2200	1114	0.80	1167	0.96	1222	1.13	1275	1.31	1326	1.49	1375	1.66	1471	2.01	1567	2.39	**1662**	**2.80**	**1756**	**3.23**
4368	2300	1159	0.90	1210	1.06	1263	1.24	1315	1.43	1364	1.61	1411	1.79	1504	2.16	1596	2.54	**1687**	**2.95**	**1778**	**3.39**
4558	2400	1204	1.01	1254	1.18	1305	1.36	1355	1.56	1403	1.75	1449	1.94	1538	2.32	1626	2.71	1714	3.12	**1801**	**3.57**
4937	2600	1296	1.25	1344	1.44	1389	1.62	1436	1.83	1481	2.04	1525	2.25	1609	2.66	1691	3.07	1772	3.50	1853	3.95
5317	2800	1388	1.53	1434	1.74	1475	1.93	1518	2.14	1562	2.37	1604	2.60	1684	3.04	1761	3.48	1837	3.93	1912	4.39
5697	3000	1481	1.85	1525	2.07	1563	2.28	1603	2.49	1643	2.73	1684	2.98	1760	3.46	1834	3.93	1905	4.40	1976	4.89
6077	3200	1573	2.20	1615	2.45	1653	2.67	1689	2.90	1727	3.14	1765	3.40	1839	3.92	1909	4.42	1977	4.93	2044	5.43
6457	3400	1669	2.63	1706	2.87	1743	3.12	1777	3.35	1811	3.60	1847	3.86	1918	4.41	1986	4.96	2051	5.50	2115	6.03

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3988	2100	**1834**	**3.54**	**1930**	**4.03**	2023	4.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4178	2200	**1850**	**3.69**	**1942**	**4.18**	**2033**	**4.69**	2122	5.23	—	—	—	—	—	—	—	—	—	—	—	—
4368	2300	**1868**	**3.86**	**1957**	**4.35**	**2044**	**4.86**	**2131**	**5.40**	2216	5.97	—	—	—	—	—	—	—	—	—	—
4558	2400	**1888**	**4.04**	**1974**	**4.53**	**2059**	**5.04**	**2143**	**5.58**	**2226**	**6.15**	2307	6.74	—	—	—	—	—	—	—	—
4937	2600	**1934**	**4.43**	**2014**	**4.93**	**2094**	**5.45**	**2172**	**6.00**	**2251**	**6.57**	**2328**	**7.15**	**2405**	**7.77**	2480	8.40	—	—	—	—
5317	2800	1987	4.88	**2062**	**5.39**	**2136**	**5.92**	**2211**	**6.47**	**2284**	**7.04**	**2357**	**7.64**	**2430**	**8.25**	**2502**	**8.89**	**2573**	**9.54**	**2643**	**10.22**
5697	3000	2046	5.38	2116	5.90	**2186**	**6.44**	**2256**	**7.00**	**2325**	**7.58**	**2394**	**8.19**	**2463**	**8.81**	**2531**	**9.44**	**2599**	**10.10**	**2666**	**10.78**
6077	3200	2110	5.95	2176	6.48	2241	7.03	2307	7.60	**2372**	**8.19**	**2438**	**8.80**	**2503**	**9.42**	**2567**	**10.07**	**2631**	**10.73**	—	—
6457	3400	2177	6.57	2240	7.12	2302	7.68	2364	8.26	2425	8.86	**2487**	**9.48**	**2548**	**10.11**	**2610**	**10.77**	—	—	—	—
6836	3600	2248	7.24	2307	7.81	2366	8.39	2425	8.99	2483	9.60	2542	10.23	2600	10.87	**2658**	**11.53**	—	—	—	—
7216	3800	2321	7.98	2378	8.57	2434	9.17	2490	9.79	2545	10.41	2601	11.05	2656	11.70	—	—	—	—	—	—
7596	4000	2396	8.76	2451	9.39	2504	10.02	2558	10.65	2611	11.29	2664	11.94	—	—	—	—	—	—	—	—
7976	4200	2473	9.60	2526	10.26	2577	10.92	2628	11.58	—	—	—	—	—	—	—	—	—	—	—	—
8356	4400	2551	10.49	2602	11.19	2652	11.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8735	4600	2630	11.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

Class I Blowers
Class II Blowers





Performance B-200

TIP SPEED (FPM) = 5.236 x RPM

OUTLET { 2.318 Sq. Ft. Inside; 211/2" x 157/8" Outside

MAX. HP = 1.0139 $\left(\frac{RPM}{1000}\right)^3$

WHEEL DIAMETER—20"

INLET { 2.435 Sq. Ft. Inside; 211/2" Dia. Outside

MAX. RPM
CL.1 1866
CL.2 2432

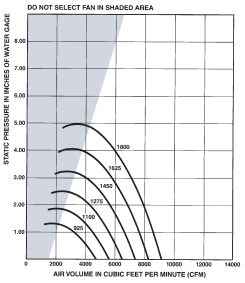
VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1854	800	492	0.12	**610**	**0.22**	716	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2086	900	524	0.15	**632**	**0.26**	**731**	**0.38**	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2318	1000	558	0.18	658	0.29	**751**	**0.42**	**838**	**0.56**	920	0.70	—	—	—	—	—	—	—	—	—	—
2550	1100	594	0.21	686	0.33	774	0.47	**856**	**0.62**	**934**	**0.77**	—	—	—	—	—	—	—	—	—	—
2782	1200	632	0.25	717	0.38	799	0.53	**877**	**0.68**	**951**	**0.84**	**1022**	**1.00**	—	—	—	—	—	—	—	—
3013	1300	670	0.30	750	0.43	827	0.58	901	0.75	**971**	**0.91**	**1039**	**1.09**	—	—	—	—	—	—	—	—
3245	1400	710	0.35	784	0.49	857	0.65	926	0.82	**994**	**1.00**	**1059**	**1.18**	**1182**	**1.56**	—	—	—	—	—	—
3477	1500	750	0.41	820	0.56	888	0.72	954	0.90	1019	1.08	**1081**	**1.28**	**1200**	**1.67**	**1312**	**2.09**	—	—	—	—
3709	1600	791	0.47	857	0.63	921	0.80	984	0.99	1045	1.18	1105	1.38	**1219**	**1.79**	**1328**	**2.23**	**1431**	**2.68**	—	—
3941	1700	833	0.55	895	0.71	955	0.89	1015	1.08	1074	1.28	1131	1.49	**1241**	**1.92**	**1346**	**2.37**	**1446**	**2.84**	**1542**	**3.33**
4172	1800	875	0.63	933	0.80	991	0.99	1048	1.18	1104	1.39	1158	1.61	**1264**	**2.06**	**1365**	**2.53**	**1463**	**3.01**	**1556**	**3.51**
4404	1900	917	0.73	972	0.90	1027	1.09	1081	1.29	1135	1.51	1187	1.73	1289	2.20	**1387**	**2.68**	**1481**	**3.19**	**1572**	**3.71**
4636	2000	960	0.83	1012	1.01	1064	1.20	1116	1.42	1167	1.64	1218	1.87	1316	2.35	1410	2.85	**1502**	**3.37**	**1590**	**3.91**
4868	2100	1003	0.94	1053	1.13	1102	1.33	1152	1.55	1201	1.77	1249	2.01	1344	2.51	1435	3.03	**1524**	**3.57**	**1609**	**4.12**
5100	2200	1046	1.06	1093	1.26	1141	1.47	1188	1.69	1235	1.92	1282	2.17	1373	2.68	1461	3.21	1547	3.77	**1631**	**4.34**
5331	2300	1089	1.20	1134	1.40	1180	1.61	1225	1.84	1271	2.08	1315	2.33	1403	2.86	1489	3.41	1572	3.98	1653	4.57
5563	2400	1132	1.34	1176	1.55	1220	1.77	1263	2.00	1307	2.25	1350	2.51	1434	3.05	1517	3.61	1598	4.20	1677	4.80
6027	2600	1220	1.67	1260	1.89	1301	2.12	1341	2.37	1381	2.63	1421	2.90	1500	3.46	1578	4.06	1654	4.68	1728	5.31
6490	2800	1308	2.05	1345	2.28	1382	2.53	1420	2.79	1457	3.06	1495	3.34	1568	3.93	1641	4.55	1713	5.20	1784	5.87
6954	3000	1396	2.49	1431	2.73	1466	2.99	1501	3.26	1536	3.55	1571	3.84	1640	4.46	1709	5.10	1776	5.78	1843	6.48
7418	3200	1485	2.98	1517	3.24	1550	3.51	1583	3.80	1616	4.09	1648	4.40	1714	5.04	1778	5.71	1842	6.42	1906	7.14
7881	3400	1573	3.54	1604	3.82	1635	4.10	1666	4.40	1697	4.71	1727	5.02	1789	5.69	1850	6.39	1911	7.12	1971	7.87

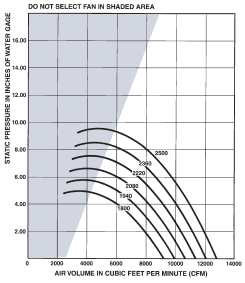
VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4868	2100	**1693**	**4.69**	**1774**	**5.27**	**1852**	**5.86**	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5100	2200	**1712**	**4.92**	**1791**	**5.52**	**1867**	**6.13**	**1942**	**6.75**	2016	7.39	—	—	—	—	—	—	—	—	—	—
5331	2300	**1732**	**5.17**	**1809**	**5.78**	**1884**	**6.41**	**1957**	**7.05**	**2029**	**7.70**	—	—	—	—	—	—	—	—	—	—
5563	2400	**1754**	**5.42**	**1829**	**6.06**	**1902**	**6.70**	**1974**	**7.36**	**2044**	**8.03**	**2113**	**8.71**	2180	9.40	—	—	—	—	—	—
6027	2600	1801	5.97	**1873**	**6.63**	**1943**	**7.31**	**2011**	**8.01**	**2078**	**8.71**	**2144**	**9.42**	**2209**	**10.15**	**2273**	**10.88**	**2335**	**11.62**	—	—
6490	2800	1853	6.55	1921	7.25	**1988**	**7.97**	**2053**	**8.69**	**2118**	**9.43**	**2181**	**10.18**	**2243**	**10.94**	**2304**	**11.71**	**2365**	**12.48**	**2424**	**13.27**
6954	3000	1909	7.19	1973	7.92	2037	8.67	2100	9.43	**2162**	**10.20**	**2222**	**10.99**	**2282**	**11.78**	**2341**	**12.58**	**2399**	**13.39**	—	—
7418	3200	1968	7.89	2030	8.65	2091	9.43	2151	10.22	2210	11.03	**2268**	**11.85**	**2326**	**12.67**	**2382**	**13.51**	—	—	—	—
7881	3400	2030	8.64	2089	9.43	2147	10.24	2205	11.07	2261	11.91	2318	12.76	2373	13.62	**2427**	**14.49**	—	—	—	—
8345	3600	2095	9.46	2152	10.28	2207	11.12	2262	11.98	2317	12.85	2370	13.73	2424	14.62	—	—	—	—	—	—
8808	3800	2163	10.35	2216	11.20	2270	12.07	2322	12.95	2375	13.85	2426	14.76	—	—	—	—	—	—	—	—
9272	4000	2232	11.32	2284	12.20	2335	13.09	2385	14.00	—	—	—	—	—	—	—	—	—	—	—	—
9736	4200	2304	12.37	2353	13.27	2402	14.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10199	4400	2377	13.50	2424	14.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

Class I Blowers

Class II Blowers





Performance B-222

TIP SPEED (FPM) = 5.825 x RPM

OUTLET { 2.827 Sq. Ft. Inside; 24" x 173/8" Outside

MAX. HP = 1.8739 $\left(\frac{RPM}{1000}\right)^3$

WHEEL DIAMETER—221/4"

INLET { 3.015 Sq. Ft. Inside; 237/8" Dia. Outside

MAX. RPM
CL.1 1661
CL.2 2166

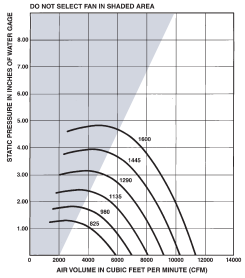
VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2262	800	428	0.15	**536**	**0.27**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2544	900	456	0.18	**553**	**0.30**	**645**	**0.45**	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2827	1000	486	0.21	**574**	**0.35**	**659**	**0.50**	**741**	**0.67**	—	—	—	—	—	—	—	—	—	—	—	—
3110	1100	517	0.25	598	0.39	**677**	**0.56**	**753**	**0.73**	**827**	**0.93**	—	—	—	—	—	—	—	—	—	—
3392	1200	550	0.30	624	0.45	697	0.62	**768**	**0.80**	**838**	**1.00**	**905**	**1.22**	—	—	—	—	—	—	—	—
3675	1300	584	0.36	653	0.51	720	0.69	**787**	**0.88**	**852**	**1.09**	**916**	**1.30**	—	—	—	—	—	—	—	—
3958	1400	619	0.42	683	0.59	746	0.77	808	0.97	**870**	**1.18**	**930**	**1.40**	**1046**	**1.89**	—	—	—	—	—	—
4241	1500	655	0.49	714	0.67	773	0.86	831	1.06	889	1.28	**946**	**1.51**	**1058**	**2.01**	—	—	—	—	—	—
4523	1600	691	0.57	746	0.76	802	0.95	857	1.16	911	1.39	**965**	**1.63**	**1071**	**2.14**	**1173**	**2.69**	—	—	—	—
4806	1700	727	0.66	779	0.86	832	1.06	883	1.28	935	1.51	986	1.75	**1087**	**2.28**	**1185**	**2.84**	—	—	—	—
5089	1800	764	0.76	813	0.97	863	1.18	912	1.40	961	1.64	1009	1.89	**1105**	**2.43**	**1199**	**3.00**	**1291**	**3.62**	1380	4.27
5371	1900	801	0.88	848	1.09	894	1.31	941	1.54	988	1.79	1034	2.04	**1125**	**2.59**	**1215**	**3.18**	**1303**	**3.81**	**1389**	**4.47**
5654	2000	838	1.00	883	1.22	927	1.45	971	1.69	1016	1.94	1060	2.21	1147	2.77	**1233**	**3.37**	**1318**	**4.01**	**1401**	**4.68**
5937	2100	876	1.13	918	1.36	960	1.60	1003	1.85	1045	2.11	1087	2.38	1171	2.95	**1253**	**3.57**	**1335**	**4.22**	**1415**	**4.91**
6219	2200	913	1.28	954	1.52	994	1.76	1035	2.02	1075	2.29	1115	2.57	1195	3.16	1275	3.78	**1353**	**4.45**	**1430**	**5.14**
6502	2300	951	1.44	990	1.69	1029	1.94	1067	2.21	1106	2.49	1145	2.77	1221	3.37	1297	4.01	**1373**	**4.69**	**1447**	**5.40**
6785	2400	989	1.61	1027	1.87	1064	2.14	1101	2.41	1138	2.70	1175	2.99	1248	3.61	1322	4.26	1394	4.95	**1466**	**5.67**
7350	2600	1066	2.01	1100	2.28	1134	2.56	1169	2.86	1203	3.16	1237	3.47	1305	4.11	1373	4.80	1441	5.51	1508	6.26
7916	2800	1143	2.46	1175	2.75	1206	3.06	1238	3.37	1270	3.68	1302	4.01	1365	4.69	1428	5.40	1491	6.14	1554	6.92
8481	3000	1220	2.98	1250	3.29	1279	3.61	1309	3.94	1339	4.28	1368	4.62	1428	5.33	1487	6.07	1546	6.85	1604	7.65
9046	3200	1297	3.57	1325	3.90	1353	4.24	1381	4.59	1409	4.94	1437	5.30	1492	6.05	1548	6.82	1603	7.62	1658	8.45
9612	3400	1375	4.24	1401	4.59	1428	4.95	1454	5.31	1480	5.69	1506	6.07	1559	6.84	1611	7.65	1663	8.48	1715	9.34

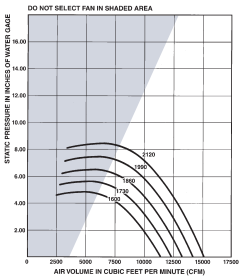
VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5937	2100	**1493**	**5.62**	1570	6.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6219	2200	**1506**	**5.87**	**1580**	**6.64**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6502	2300	**1521**	**6.14**	**1593**	**6.91**	**1664**	**7.71**	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6785	2400	**1537**	**6.42**	**1607**	**7.21**	**1676**	**8.02**	**1743**	**8.86**	—	—	—	—	—	—	—	—	—	—	—	—
7350	2600	**1574**	**7.04**	**1640**	**7.84**	**1705**	**8.68**	**1769**	**9.54**	**1832**	**10.43**	**1894**	**11.35**	—	—	—	—	—	—	—	—
7916	2800	1616	7.72	**1678**	**8.55**	**1739**	**9.41**	**1800**	**10.30**	**1860**	**11.21**	**1919**	**12.15**	**1978**	**13.11**	**2036**	**4.10**	2093	15.11	—	—
8481	3000	1663	8.48	1721	9.33	1779	10.22	**1836**	**11.13**	**1893**	**12.07**	**1949**	**13.03**	**2005**	**14.01**	**2060**	**15.02**	**2115**	**16.05**	—	—
9046	3200	1713	9.31	1768	10.19	1823	11.10	1877	12.04	**1931**	**13.00**	**1984**	**13.99**	**2037**	**15.00**	**2090**	**16.03**	**2142**	**17.08**	—	—
9612	3400	1767	10.23	1819	11.14	1870	12.08	1922	13.04	1973	14.02	**2024**	**15.03**	**2074**	**16.07**	**2125**	**17.12**	—	—	—	—
10177	3600	1823	11.23	1872	12.17	1921	13.13	1970	14.12	2019	15.13	2067	16.17	2115	17.23	**2163**	**18.31**	—	—	—	—
10743	3800	1882	12.32	1929	13.29	1975	14.29	2022	15.30	2068	16.34	2114	17.40	2160	18.48	—	—	—	—	—	—
11308	4000	1943	13.51	1987	14.51	2031	15.53	2076	16.58	2120	17.64	2164	18.73	—	—	—	—	—	—	—	—
11873	4200	2005	14.80	2048	15.82	2090	16.88	2132	17.95	—	—	—	—	—	—	—	—	—	—	—	—
12439	4400	2070	16.18	2110	17.25	2150	18.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13004	4600	2135	17.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

Class I Blowers

Class II Blowers





Performance B-245

TIP SPEED (FPM) = 6.414 x RPM

OUTLET { **3.458 Sq. Ft. Inside**
261/4" x 191/4" Outside

MAX. HP = 3.0246 $\left(\frac{RPM}{1000}\right)^3$

WHEEL DIAMETER—241/2"

INLET { **3.650 Sq. Ft. Inside**
263/8" Dia. Outside

MAX. RPM
CL.1 1508
CL.2 1967

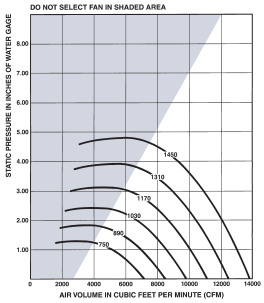
VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3458	1000	444	0.26	**523**	**0.42**	**600**	**0.61**	**674**	**0.82**	—	—	—	—	—	—	—	—	—	—	—	—
3804	1100	473	0.31	545	0.48	**616**	**0.68**	**685**	**0.90**	752	1.13	—	—	—	—	—	—	—	—	—	—
4150	1200	503	0.37	570	0.55	635	0.76	**700**	**0.98**	**762**	**1.23**	823	1.49	—	—	—	—	—	—	—	—
4495	1300	534	0.44	596	0.63	657	0.85	**717**	**1.08**	**776**	**1.33**	**833**	**1.59**	—	—	—	—	—	—	—	—
4841	1400	566	0.52	623	0.72	680	0.94	736	1.18	**792**	**1.44**	**846**	**1.71**	951	2.31	—	—	—	—	—	—
5187	1500	599	0.61	652	0.82	705	1.05	758	1.30	810	1.57	**862**	**1.85**	**962**	**2.45**	—	—	—	—	—	—
5533	1600	632	0.71	682	0.93	732	1.17	781	1.43	831	1.70	**879**	**1.99**	**975**	**2.61**	**1067**	**3.29**	—	—	—	—
5879	1700	665	0.82	712	1.06	759	1.31	806	1.57	853	1.85	899	2.15	**990**	**2.79**	**1078**	**3.47**	1164	4.21	—	—
6224	1800	699	0.95	743	1.19	788	1.45	832	1.73	876	2.02	920	2.32	**1007**	**2.97**	**1091**	**3.67**	**1174**	**4.42**	—	—
6570	1900	733	1.09	775	1.34	817	1.61	859	1.90	901	2.20	943	2.51	**1025**	**3.17**	**1106**	**3.89**	**1186**	**4.65**	**1263**	**5.46**
6916	2000	767	1.24	807	1.51	847	1.79	887	2.08	927	2.39	967	2.71	1046	3.39	**1123**	**4.12**	**1200**	**4.90**	**1274**	**5.72**
7262	2100	802	1.41	840	1.68	878	1.98	916	2.28	954	2.60	992	2.93	1067	3.63	**1142**	**4.37**	**1215**	**5.17**	**1287**	**6.00**
7608	2200	836	1.59	873	1.88	909	2.18	946	2.50	982	2.82	1018	3.16	1090	3.88	1162	4.64	**1232**	**5.45**	**1302**	**6.30**
7953	2300	871	1.79	906	2.09	941	2.40	975	2.73	1010	3.06	1045	3.41	1114	4.15	1183	4.92	1251	5.75	**1318**	**6.61**
8299	2400	906	2.00	939	2.32	973	2.64	1006	2.98	1039	3.32	1073	3.68	1139	4.43	1205	5.23	1270	6.07	**1335**	**6.95**
8991	2600	976	2.49	1007	2.83	1038	3.17	1069	3.53	1099	3.90	1130	4.28	1191	5.07	1253	5.90	1313	6.77	1374	7.68
9682	2800	1046	3.05	1075	3.41	1104	3.78	1132	4.16	1161	4.55	1190	4.95	1247	5.78	1304	6.64	1360	7.55	1417	8.49
10374	3000	1117	3.70	1144	4.08	1171	4.48	1197	4.88	1224	5.29	1251	5.71	1304	6.58	1357	7.48	1411	8.42	1463	9.40
11066	3200	1188	4.44	1213	4.84	1238	5.26	1263	5.68	1289	6.12	1314	6.56	1364	7.47	1414	8.41	1463	9.39	1513	10.40
11757	3400	1259	5.26	1283	5.69	1307	6.13	1330	6.58	1354	7.04	1377	7.50	1425	8.45	1472	9.43	1519	10.45	1566	11.50
12449	3600	1331	6.20	1353	6.65	1375	7.11	1398	7.58	1420	8.06	1442	8.55	1487	9.54	1531	10.56	1576	11.62	1620	12.70
13140	3800	1402	7.23	1423	7.71	1445	8.20	1466	8.69	1487	9.19	1508	9.70	1550	10.74	1592	11.80	1634	12.90	1676	14.02

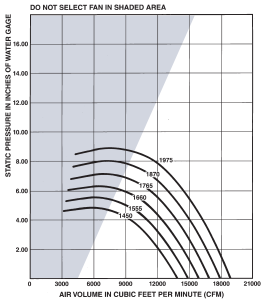
VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7262	2100	**1358**	**6.87**	1427	7.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7608	2200	**1370**	**7.18**	1437	8.11	1503	9.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7953	2300	**1384**	**7.51**	1449	8.45	1513	9.43	1576	10.44	—	—	—	—	—	—	—	—	—	—	—	—
8299	2400	**1399**	**7.86**	**1462**	**8.82**	**1524**	**9.81**	**1585**	**10.83**	1646	11.88	—	—	—	—	—	—	—	—	—	—
8991	2600	**1434**	**8.62**	**1493**	**9.61**	**1551**	**10.62**	**1609**	**11.67**	**1666**	**12.76**	**1723**	**13.87**	1778	15.01	—	—	—	—	—	—
9682	2800	**1473**	**9.47**	**1528**	**10.48**	**1584**	**11.53**	**1638**	**12.61**	**1692**	**13.72**	**1746**	**14.86**	**1799**	**16.03**	**1851**	**17.23**	1903	18.45	—	—
10374	3000	1516	10.41	1568	11.45	1620	12.53	**1672**	**13.64**	**1723**	**14.78**	**1774**	**15.94**	**1825**	**17.14**	**1874**	**18.37**	**1924**	**19.63**	**—**	**—**
11066	3200	1563	11.44	1612	12.52	1661	13.63	1710	14.77	**1759**	**15.93**	**1807**	**17.13**	**1855**	**18.36**	**1902**	**19.62**	**1950**	**20.90**	**—**	**—**
11757	3400	1612	12.57	1659	13.69	1705	14.83	1752	16.00	1798	17.20	**1844**	**18.43**	**1889**	**19.69**	**1934**	**20.97**	**—**	**—**	**—**	**—**
12449	3600	1664	13.82	1709	14.97	1753	16.14	1796	17.34	1840	18.58	1884	19.84	1927	21.12	—	—	—	—	—	—
13140	3800	1718	15.17	1760	16.36	1802	17.57	1844	18.80	1886	20.07	1927	21.36	—	—	—	—	—	—	—	—
13832	4000	1774	16.65	1814	17.87	1854	19.11	1894	20.38	1934	21.68	—	—	—	—	—	—	—	—	—	—
14524	4200	1832	18.24	1870	19.50	1908	20.78	1946	22.09	—	—	—	—	—	—	—	—	—	—	—	—
15215	4400	1891	19.96	1927	21.26	1963	22.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15907	4600	1951	21.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

Class I Blowers

Class II Blowers





Performance B-270

TIP SPEED (FPM) = 7.069 x RPM

OUTLET { 4.19 Sq. Ft. Inside; 29" x 211/4" Outside

MAX. HP = 3.15 $\left(\frac{RPM}{1000}\right)^3$

WHEEL DIAMETER—27"

INLET { 4.430 Sq. Ft. Inside; 29" Dia. Outside

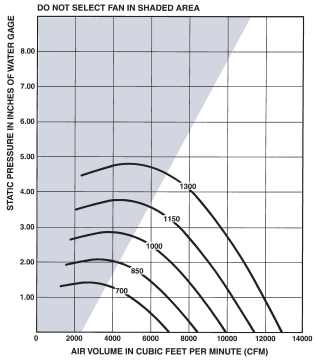
MAX. RPM
CL.1 1453
CL.2 1893

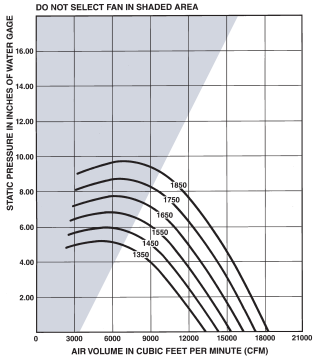
VOL. CFM	OUTLET VEL. FPM																								
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3352	800	**421**	**0.23**	**458**	**0.30**	**490**	**0.38**	**524**	**0.46**	**555**	**0.54**	**587**	**0.63**	**617**	**0.72**	—	—	—	—	—	—	—	—	—	—
3771	900	456	0.28	490	0.36	520	0.44	551	0.53	**579**	**0.62**	**609**	**0.72**	**636**	**0.81**	**690**	**1.02**	—	—	—	—	—	—	—	—
4190	1000	492	0.34	524	0.43	551	0.52	580	0.62	606	0.71	634	0.81	659	0.91	**709**	**1.13**	**759**	**1.35**	—	—	—	—	—	—
4609	1100	530	0.42	559	0.51	585	0.61	612	0.71	636	0.81	661	0.92	685	1.02	732	1.25	**778**	**1.49**	**823**	**1.73**	—	—	—	—
5028	1200	568	0.50	595	0.61	619	0.71	644	0.82	667	0.92	691	1.04	713	1.15	757	1.39	801	1.64	**843**	**1.89**	**884**	**2.16**	**965**	**2.72**
5447	1300	606	0.60	632	0.71	655	0.82	679	0.94	700	1.05	723	1.17	743	1.29	785	1.54	826	1.80	866	2.07	**905**	**2.35**	**981**	**2.93**
5866	1400	645	0.71	670	0.83	691	0.95	714	1.07	734	1.19	756	1.32	775	1.44	815	1.71	853	1.98	891	2.26	928	2.55	**1000**	**3.15**
6285	1500	684	0.84	708	0.97	728	1.09	750	1.22	769	1.35	789	1.48	808	1.61	846	1.89	882	2.17	918	2.46	953	2.77	**1022**	**3.39**
6704	1600	724	0.98	746	1.12	766	1.25	786	1.39	805	1.52	824	1.66	842	1.80	878	2.09	913	2.38	947	2.69	981	3.00	1046	3.65
7123	1700	764	1.14	785	1.29	804	1.42	823	1.57	841	1.71	860	1.86	877	2.00	911	2.31	944	2.62	977	2.93	1009	3.26	1072	3.93
7542	1800	804	1.32	824	1.47	842	1.62	861	1.77	878	1.92	896	2.08	912	2.23	945	2.54	977	2.87	1009	3.20	1039	3.53	1099	4.23
7961	1900	845	1.51	864	1.68	881	1.83	899	1.99	915	2.15	933	2.31	948	2.47	980	2.80	1011	3.14	1041	3.48	1070	3.83	1128	4.55
8380	2000	885	1.73	904	1.90	920	2.06	937	2.23	953	2.39	970	2.57	985	2.73	1015	3.08	1045	3.43	1074	3.78	1103	4.15	1158	4.89
9218	2200	967	2.23	984	2.42	999	2.59	1015	2.78	1030	2.96	1045	3.15	1059	3.32	1088	3.70	1115	4.08	1143	4.46	1169	4.85	1221	5.65
10056	2400	1049	2.82	1065	3.02	1079	3.21	1094	3.42	1107	3.61	1122	3.82	1135	4.01	1162	4.41	1188	4.82	1213	5.23	1238	5.65	1287	6.50
10894	2600	1131	3.51	1146	3.73	1159	3.94	1173	4.16	1186	4.36	1200	4.59	1212	4.80	1237	5.23	1262	5.67	1286	6.11	1309	6.56	1355	7.47
11732	2800	1214	4.31	1228	4.55	1240	4.77	1253	5.01	1265	5.23	1278	5.47	1290	5.69	1314	6.16	1337	6.63	1360	7.10	1382	7.58	1426	8.54
12570	3000	1297	5.23	1310	5.48	1322	5.72	1334	5.98	1346	6.21	1358	6.47	1369	6.71	1391	7.20	1413	7.70	1435	8.21	1456	8.71	1498	9.74
13408	3200	1380	6.27	1392	6.54	1403	6.80	1415	7.07	1426	7.32	1438	7.60	1448	7.85	1470	8.38	1491	8.91	1511	9.44	1531	9.98	1571	11.06
14246	3400	1463	7.45	1475	7.74	1485	8.01	1497	8.30	1507	8.57	1518	8.86	1528	9.13	1548	9.69	1568	10.25	1588	10.81	1607	11.38	1645	12.53
15084	3600	1547	8.77	1558	9.08	1568	9.36	1579	9.67	1588	9.95	1599	10.26	1608	10.55	1628	11.14	1647	11.73	1666	12.33	1684	12.93	1721	14.13
15922	3800	1630	10.25	1641	10.57	1650	10.87	1661	11.19	1670	11.49	1680	11.82	1689	12.12	1708	12.74	1726	13.37	1744	14.00	1762	14.63	1797	15.89
16760	4000	1714	11.88	1724	12.22	1733	12.54	1743	12.88	1752	13.19	1761	13.54	1770	13.85	1788	14.51	1806	15.17	1823	15.83	1840	16.49	1874	17.82

VOL. CFM	OUTLET VEL. FPM	3 S.P.		3.5 S.P.		4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5447	1300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5866	1400	**1071**	**3.79**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6285	1500	**1089**	**4.05**	**1154**	**4.74**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6704	1600	**1110**	**4.33**	**1172**	**5.04**	**1233**	**5.78**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7123	1700	1133	4.63	**1193**	**5.36**	**1251**	**6.12**	**1309**	**6.91**	**1365**	**7.72**	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7542	1800	1158	4.96	1215	5.71	**1271**	**6.49**	**1327**	**7.29**	**1381**	**8.12**	**1434**	**8.97**	—	—	—	—	—	—	—	—	—	—	—	—
7961	1900	1185	5.30	1240	6.08	1294	6.88	**1347**	**7.70**	**1399**	**8.55**	**1450**	**9.43**	**1501**	**10.32**	—	—	—	—	—	—	—	—	—	—
8380	2000	1212	5.67	1265	6.46	1317	7.29	1369	8.14	**1419**	**9.01**	**1469**	**9.90**	**1517**	**10.82**	**1566**	**11.76**	—	—	—	—	—	—	—	—
9218	2200	1272	6.47	1321	7.32	1369	8.19	1417	9.08	1464	10.00	1510	10.93	**1556**	**11.89**	**1601**	**12.87**	**1646**	**13.87**	**1690**	**14.89**	**1734**	**15.93**	—	—
10056	2400	1334	7.38	1381	8.27	1426	9.19	1471	10.13	1515	11.09	1558	12.08	1601	13.08	**1644**	**14.10**	**1686**	**15.15**	**1728**	**16.21**	**1769**	**17.29**	**1810**	**18.39**
10894	2600	1400	8.39	1444	9.34	1487	10.31	1529	11.30	1570	12.31	1611	13.33	1652	14.38	1692	15.45	1732	16.54	1771	17.64	**1810**	**18.77**	**1848**	**19.91**
11732	2800	1468	9.52	1509	10.52	1550	11.54	1590	12.58	1629	13.64	1668	14.72	1706	15.81	1744	16.93	1782	18.06	1819	19.21	1856	20.37	1893	21.56
12570	3000	1538	10.78	1577	11.83	1616	12.91	1654	14.00	1691	15.11	1728	16.23	1765	17.37	1801	18.54	1836	19.72	1872	20.91	—	—	—	—
13408	3200	1609	12.16	1647	13.27	1684	14.40	1720	15.54	1756	16.71	1791	17.88	1825	19.08	1860	20.29	—	—	—	—	—	—	—	—
14246	3400	1682	13.68	1718	14.85	1753	16.04	1788	17.24	1822	18.45	1856	19.68	1889	20.92	—	—	—	—	—	—	—	—	—	—
15084	3600	1756	15.35	1790	16.58	1824	17.82	1857	19.08	1890	20.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15922	3800	1831	17.17	1864	18.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

Class I Blowers
Class II Blowers





Performance B-300

TIP SPEED (FPM) = 7.854 x RPM

OUTLET { 5.17 Sq. Ft. Inside
331/4" x 233/8" Outside

MAX. HP = 5.33 $\left(\frac{RPM}{1000}\right)^3$

WHEEL DIAMETER—30"

INLET { 5.469 Sq. Ft. Inside
321/4" Dia. Outside

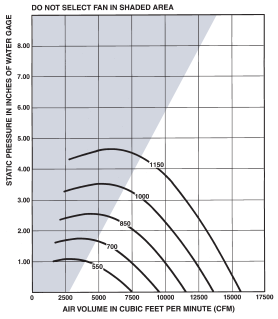
MAX. RPM
CL.1 1308
CL.2 1703

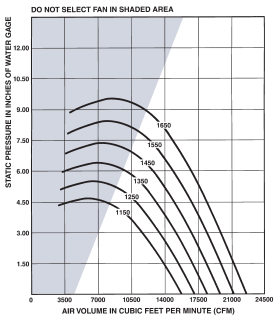
VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.38 S.P.		.50 S.P.		.63 S.P.		.75 S.P.		.88 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		1.75 S.P.		2 S.P.		2.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4136	800	**379**	**0.28**	**412**	**0.37**	**441**	**0.46**	**472**	**0.57**	**499**	**0.67**	**529**	**0.78**	**555**	**0.89**	—	—	—	—	—	—	—	—	—	—
4653	900	410	0.34	441	0.45	468	0.54	496	0.66	**521**	**0.76**	**548**	**0.89**	**572**	**1.00**	**621**	**1.25**	—	—	—	—	—	—	—	—
5170	1000	443	0.42	471	0.53	496	0.64	522	0.76	545	0.87	570	1.00	593	1.12	**638**	**1.39**	**683**	**1.67**	—	—	—	—	—	—
5687	1100	476	0.51	503	0.63	526	0.75	550	0.88	572	1.00	595	1.13	616	1.26	659	1.54	**700**	**1.83**	**741**	**2.14**	**780**	**2.46**	—	—
6204	1200	511	0.62	535	0.75	557	0.87	580	1.01	600	1.14	622	1.28	642	1.42	682	1.71	721	2.02	**759**	**2.34**	**796**	**2.67**	**868**	**3.36**
6721	1300	545	0.74	568	0.88	589	1.01	611	1.16	630	1.29	650	1.45	669	1.59	706	1.90	743	2.22	779	2.55	**814**	**2.89**	**883**	**3.61**
7238	1400	580	0.88	602	1.03	622	1.17	642	1.32	660	1.47	680	1.63	697	1.78	733	2.10	768	2.44	802	2.78	835	3.14	**900**	**3.89**
7755	1500	616	1.03	637	1.19	655	1.34	674	1.51	692	1.66	710	1.83	727	1.99	761	2.33	794	2.68	826	3.04	858	3.41	920	4.19
8272	1600	651	1.21	671	1.38	689	1.54	707	1.71	724	1.87	742	2.05	757	2.22	790	2.58	821	2.94	852	3.32	882	3.70	941	4.51
8789	1700	687	1.41	706	1.59	723	1.75	741	1.94	757	2.11	773	2.30	789	2.47	820	2.84	850	3.23	879	3.62	908	4.02	965	4.85
9306	1800	723	1.63	742	1.82	758	1.99	775	2.19	790	2.37	806	2.56	821	2.75	850	3.14	879	3.53	907	3.94	935	4.36	989	5.22
9823	1900	760	1.87	777	2.07	793	2.25	809	2.46	823	2.65	839	2.85	853	3.05	882	3.45	909	3.87	936	4.29	963	4.72	1015	5.61
10340	2000	796	2.13	813	2.35	828	2.54	843	2.75	857	2.95	872	3.17	886	3.37	913	3.80	940	4.23	966	4.67	992	5.12	1042	6.04
11374	2200	870	2.75	885	2.98	899	3.19	913	3.43	926	3.64	940	3.88	953	4.10	979	4.56	1004	5.03	1028	5.50	1052	5.98	1099	6.97
12408	2400	943	3.47	958	3.73	970	3.96	984	4.21	996	4.45	1009	4.71	1021	4.94	1045	5.44	1069	5.95	1092	6.46	1114	6.97	1158	8.02
13442	2600	1017	4.33	1031	4.60	1043	4.85	1056	5.13	1067	5.38	1079	5.66	1090	5.91	1113	6.45	1135	6.99	1157	7.54	1178	8.09	1219	9.21
14476	2800	1092	5.31	1104	5.61	1116	5.88	1128	6.17	1138	6.45	1150	6.74	1160	7.02	1182	7.59	1203	8.17	1223	8.75	1243	9.34	1283	10.53
15510	3000	1166	6.44	1178	6.76	1189	7.05	1200	7.37	1210	7.66	1221	7.98	1231	8.27	1252	8.88	1271	9.50	1291	10.12	1310	10.75	1347	12.01
16544	3200	1241	7.73	1252	8.07	1262	8.38	1273	8.72	1283	9.03	1293	9.37	1303	9.68	1322	10.33	1341	10.99	1359	11.64	1378	12.31	1413	13.64
17578	3400	1316	9.18	1327	9.54	1336	9.87	1346	10.23	1356	10.56	1366	10.92	1375	11.25	1393	11.94	1411	12.64	1429	13.34	1446	14.03	1480	15.45
18612	3600	1391	10.81	1401	11.19	1410	11.54	1420	11.92	1429	12.27	1438	12.65	1447	13.00	1464	13.73	1482	14.47	1499	15.20	1515	15.94	1548	17.43
19646	3800	1466	12.63	1476	13.03	1485	13.40	1494	13.80	1502	14.17	1511	14.57	1519	14.94	1536	15.71	1553	16.48	1569	17.26	1585	18.04	1616	19.60
20680	4000	1542	14.64	1551	15.06	1559	15.45	1568	15.87	1576	16.26	1584	16.68	1592	17.07	1609	17.89	1624	18.70	1640	19.51	1655	20.33	1685	21.97
21714	4200	1617	16.86	1626	17.30	1634	17.71	1642	18.16	1650	18.57	1658	19.01	1666	19.41	1681	20.27	1696	21.12	—	—	—	—	—	—

VOL. CFM	OUTLET VEL. FPM	3 S.P.		3.5 S.P.		4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6721	1300	**949**	**4.38**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7238	1400	**963**	**4.68**	**1025**	**5.50**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7755	1500	**980**	**5.00**	**1039**	**5.85**	**1096**	**6.73**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8272	1600	**999**	**5.35**	**1055**	**6.22**	**1110**	**7.13**	**1164**	**8.07**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8789	1700	1020	5.72	**1073**	**6.62**	**1126**	**7.55**	**1178**	**8.52**	**1228**	**9.52**	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9306	1800	1042	6.11	1094	7.04	**1144**	**8.01**	**1194**	**9.00**	**1243**	**10.02**	**1291**	**11.07**	—	—	—	—	—	—	—	—	—	—	—	—
9823	1900	1066	6.54	1115	7.49	1164	8.48	**1212**	**9.50**	**1259**	**10.55**	**1305**	**11.63**	**1351**	**12.74**	—	—	—	—	—	—	—	—	—	—
10340	2000	1091	6.99	1139	7.98	1185	8.99	1231	10.04	1277	11.12	**1321**	**12.22**	**1366**	**13.35**	**1409**	**14.51**	—	—	—	—	—	—	—	—
11374	2200	1144	7.98	1188	9.03	1232	10.10	1275	11.20	1317	12.23	1359	13.49	**1400**	**14.67**	**1441**	**15.88**	**1481**	**17.12**	**1521**	**18.38**	**1560**	**19.66**	**1599**	**20.96**
12408	2400	1200	9.10	1242	10.21	1283	11.34	1323	12.50	1363	13.69	1402	14.90	1441	16.14	1479	17.40	**1517**	**18.69**	**1555**	**20.00**	**1592**	**21.33**	**1628**	**22.69**
13442	2600	1260	10.35	1299	11.52	1337	12.72	1375	13.94	1413	15.18	1450	16.45	1486	17.74	1522	19.06	1558	20.40	1593	21.77	**1629**	**23.15**	**1663**	**24.56**
14476	2800	1321	11.75	1358	12.98	1395	14.24	1430	15.52	1466	16.83	1501	18.16	1535	19.51	1570	20.88	1603	22.28	1637	23.70	1670	25.14	1703	26.60
15510	3000	1384	13.29	1419	14.59	1454	15.92	1488	17.26	1522	18.63	1555	20.02	1588	21.43	1620	22.87	1652	24.32	1684	25.80	—	—	—	—
16544	3200	1448	15.00	1482	16.37	1515	17.76	1547	19.17	1579	20.61	1611	22.06	1642	23.53	1673	25.03	—	—	—	—	—	—	—	—
17578	3400	1513	16.87	1546	18.32	1577	19.78	1608	21.26	1639	22.76	1669	24.27	1699	25.81	—	—	—	—	—	—	—	—	—	—
18612	3600	1580	18.93	1611	20.44	1641	21.98	1671	23.53	1700	25.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19646	3800	1647	21.18	1677	22.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

Class I Blowers
Class II Blowers





Performance B-330

TIP SPEED (FPM) = 8.639 x RPM | **OUTLET** { **6.26 Sq. Ft. Inside** / **353/8" x 257/8" Outside** | **MAX. HP = 8.59** $\left(\frac{RPM}{1000}\right)^3$

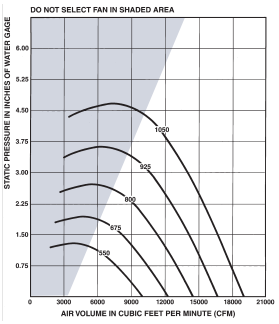
WHEEL DIAMETER—33" | **INLET** { **6.618 Sq. Ft. Inside** / **353/8" Dia. Outside** | **MAX. RPM** **CL.1 1189** **CL.2 1548**

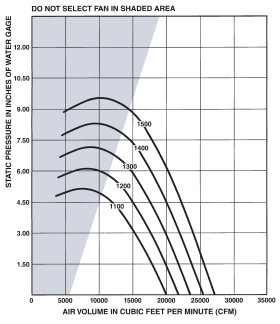
VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.38 S.P.		.50 S.P.		.63 S.P.		.75 S.P.		.88 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		1.75 S.P.		2 S.P.		2.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5008	800	**344**	**0.34**	**373**	**0.45**	**401**	**0.56**	**428**	**0.68**	**454**	**0.81**	**480**	**0.94**	**505**	**1.08**	—	—	—	—	—	—	—	—	—	—
5634	900	373	0.42	400	0.54	425	0.66	450	0.79	474	0.93	497	1.07	**520**	**1.21**	**565**	**1.52**	—	—	—	—	—	—	—	—
6260	1000	403	0.51	428	0.64	451	0.77	474	0.91	496	1.06	518	1.21	539	1.36	**580**	**1.68**	**621**	**2.02**	**660**	**2.37**	—	—	—	—
6886	1100	433	0.62	456	0.76	478	0.91	500	1.06	520	1.21	540	1.37	560	1.53	599	1.87	**637**	**2.22**	**673**	**2.59**	**709**	**2.98**	—	—
7512	1200	464	0.75	486	0.90	507	1.06	527	1.21	546	1.38	565	1.55	583	1.72	620	2.07	655	2.44	**690**	**2.83**	**724**	**3.23**	**789**	**4.07**
8138	1300	496	0.90	516	1.06	536	1.22	554	1.39	573	1.57	591	1.74	608	1.93	642	2.30	676	2.69	708	3.09	**740**	**3.50**	**803**	**4.38**
8764	1400	528	1.06	547	1.24	565	1.42	583	1.60	601	1.78	618	1.97	634	2.16	667	2.55	698	2.95	729	3.37	759	3.81	**819**	**4.71**
9390	1500	560	1.25	578	1.44	596	1.63	613	1.82	629	2.01	645	2.21	661	2.41	692	2.82	722	3.25	751	3.68	780	4.13	**836**	**5.07**
10016	1600	592	1.47	610	1.66	627	1.86	643	2.07	658	2.27	674	2.48	689	2.69	718	3.12	747	3.56	775	4.02	802	4.49	856	5.46
10642	1700	625	1.70	642	1.91	658	2.13	673	2.34	688	2.56	703	2.77	717	3.00	745	3.45	773	3.91	800	4.38	826	4.87	877	5.87
11268	1800	658	1.97	674	2.19	689	2.42	704	2.64	718	2.87	732	3.10	746	3.33	773	3.80	800	4.28	825	4.78	850	5.28	900	6.32
11894	1900	691	2.26	706	2.50	721	2.73	735	2.97	749	3.21	763	3.45	776	3.69	802	4.18	827	4.69	852	5.20	876	5.72	923	6.80
12520	2000	724	2.59	739	2.83	753	3.08	767	3.33	780	3.58	793	3.83	806	4.08	831	4.60	855	5.12	879	5.65	902	6.20	948	7.31
13772	2200	791	3.33	804	3.60	817	3.87	830	4.14	843	4.42	855	4.69	867	4.97	890	5.53	913	6.09	935	6.67	957	7.25	999	8.44
15024	2400	858	4.21	871	4.51	883	4.80	895	5.10	906	5.39	918	5.69	929	5.99	951	6.59	972	7.20	993	7.82	1013	8.44	1053	9.72
16276	2600	926	5.24	937	5.56	949	5.88	960	6.20	971	6.52	981	6.84	992	7.17	1012	7.82	1033	8.47	1052	9.13	1071	9.80	1109	11.15
17528	2800	993	6.44	1004	6.78	1015	7.13	1025	7.47	1036	7.81	1046	8.16	1056	8.51	1075	9.20	1094	9.90	1113	10.61	1131	11.32	1167	12.76
18780	3000	1061	7.81	1071	8.18	1081	8.55	1091	8.92	1101	9.28	1111	9.65	1120	10.02	1138	10.77	1157	11.51	1174	12.26	1192	13.02	1225	14.55
20032	3200	1129	9.37	1139	9.76	1148	10.16	1158	10.55	1167	10.94	1176	11.34	1185	11.73	1203	12.52	1220	13.31	1237	14.11	1253	14.91	1285	16.53
21284	3400	1197	11.13	1206	11.55	1216	11.97	1224	12.39	1233	12.80	1242	13.22	1250	13.64	1267	14.48	1283	15.32	1300	16.16	1315	17.01	1346	18.72
22536	3600	1266	13.11	1274	13.55	1283	13.99	1291	14.43	1300	14.87	1308	15.32	1316	15.76	1332	16.65	1348	17.53	1363	18.43	1378	19.32	1408	21.12
23788	3800	1334	15.31	1342	15.78	1350	16.24	1359	16.71	1366	17.17	1374	17.64	1382	18.11	1397	19.04	1412	19.98	1427	20.92	1442	21.86	1470	23.75
25040	4000	1402	17.75	1410	18.24	1418	18.73	1426	19.22	1434	19.71	1441	20.20	1448	20.70	1463	21.68	1478	22.66	1492	23.65	1506	24.64	1533	26.62

VOL. CFM	OUTLET VEL. FPM	3 S.P.		3.5 S.P.		4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8138	1300	**863**	**5.30**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8764	1400	**876**	**5.66**	**932**	**6.66**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9390	1500	**891**	**6.05**	**944**	**7.08**	**996**	**8.15**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10016	1600	**908**	**6.47**	**959**	**7.53**	**1009**	**8.63**	**1058**	**9.77**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10642	1700	927	6.92	**976**	**8.01**	**1024**	**9.15**	**1071**	**10.32**	**1117**	**11.53**	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11268	1800	948	7.40	994	8.53	**1040**	**9.69**	**1085**	**10.90**	**1130**	**12.14**	**1173**	**13.41**	—	—	—	—	—	—	—	—	—	—	—	—
11894	1900	969	7.92	1014	9.08	1058	10.27	**1102**	**11.51**	**1145**	**12.78**	**1187**	**14.08**	**1228**	**15.42**	—	—	—	—	—	—	—	—	—	—
12520	2000	992	8.47	1035	9.66	1978	10.89	1120	12.16	**1161**	**13.46**	**1202**	**14.80**	**1242**	**16.17**	**1281**	**17.57**	—	—	—	—	—	—	—	—
13772	2200	1040	9.67	1081	10.93	1120	12.23	1159	13.57	**1198**	**14.94**	**1236**	**16.34**	**1273**	**17.77**	**1310**	**19.23**	**1347**	**20.73**	**1383**	**22.25**	**1419**	**23.80**	**1454**	**25.38**
15024	2400	1092	11.02	1130	12.36	1167	13.73	1203	15.14	1240	16.57	1275	18.04	1310	19.54	1345	21.07	**1379**	**22.63**	**1414**	**24.21**	**1447**	**25.83**	**1481**	**27.47**
16276	2600	1146	12.54	1181	13.96	1216	15.40	1251	16.88	1285	18.39	1318	19.92	1352	21.49	1384	23.08	1417	24.71	1449	26.36	**1481**	**28.04**	**1512**	**29.74**
17528	2800	1201	14.23	1235	15.73	1268	17.25	1301	18.80	1333	20.38	1365	21.99	1396	23.62	1427	25.29	1458	26.98	1489	28.70	1519	30.44	**—**	**—**
18780	3000	1258	16.10	1291	17.68	1322	19.28	1353	20.91	1384	22.57	1414	24.25	1444	25.96	1473	27.69	1503	29.46	1531	31.24	—	—	—	—
20032	3200	1317	18.17	1348	19.83	1378	21.52	1407	23.23	1436	24.96	1465	26.72	1494	28.50	1522	30.31	—	—	—	—	—	—	—	—
21284	3400	1376	20.44	1406	22.19	1435	23.96	1463	25.75	1491	27.57	1518	29.40	1546	31.26	—	—	—	—	—	—	—	—	—	—
22536	3600	1437	22.94	1465	24.77	1493	26.63	1520	28.50	1547	30.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23788	3800	1498	25.66	1525	27.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

Class I Blowers
Class II Blowers





Performance B-365

TIP SPEED (FPM) = 9.566 x RPM **OUTLET** { **7.66 Sq. Ft. Inside** **391/4" x 281/2" Outside** **MAX. HP = 13.01** $\left(\frac{RPM}{1000}\right)^3$

WHEEL DIAMETER—361/2" **INLET** { **8.11 Sq. Ft. Inside** **39" Dia. Outside**

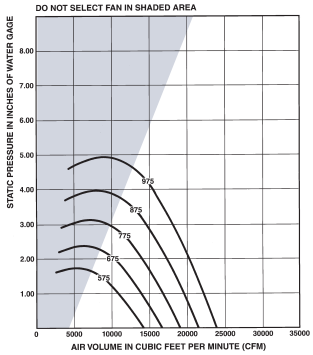
MAX. RPM
CL.1 1098
CL.2 1431

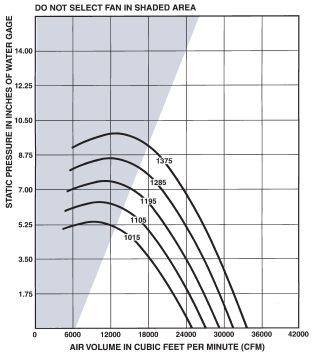
VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.38 S.P.		.50 S.P.		.63 S.P.		.75 S.P.		.88 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		1.75 S.P.		2 S.P.		2.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6128	800	**311**	**0.41**	**338**	**0.55**	**363**	**0.69**	**387**	**0.83**	**411**	**0.99**	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6894	900	337	0.51	362	0.66	384	0.81	407	0.97	**428**	**1.13**	**450**	**1.30**	**470**	**1.48**	—	—	—	—	—	—	—	—	—	—
7660	1000	364	0.62	387	0.78	408	0.95	428	1.12	448	1.30	**468**	**1.48**	**487**	**1.67**	**525**	**2.06**	—	—	—	—	—	—	—	—
8426	1100	392	0.76	413	0.93	433	1.11	452	1.29	470	1.48	489	1.67	507	1.87	**542**	**2.28**	**576**	**2.72**	—	—	—	—	—	—
9192	1200	420	0.92	439	1.10	458	1.29	476	1.49	494	1.69	511	1.89	528	2.10	**560**	**2.54**	**592**	**2.99**	**624**	**3.46**	—	—	—	—
9958	1300	448	1.10	467	1.30	484	1.50	501	1.71	518	1.92	534	2.13	550	2.36	581	2.81	**611**	**3.29**	**641**	**3.78**	**669**	**4.29**	—	—
10724	1400	477	1.30	495	1.52	511	1.73	527	1.95	543	2.18	558	2.41	573	2.64	603	3.12	631	3.61	**659**	**4.13**	**687**	**4.66**	**740**	**5.76**
11490	1500	506	1.53	523	1.76	539	1.99	554	2.23	569	2.46	583	2.70	598	2.95	626	3.45	653	3.97	679	4.51	705	5.06	756	6.20
12256	1600	536	1.79	551	2.04	567	2.28	581	2.53	595	2.78	609	3.03	623	3.29	649	3.82	675	4.36	701	4.92	725	5.49	774	6.68
13022	1700	565	2.09	580	2.34	595	2.60	609	2.86	622	3.13	636	3.40	649	3.67	674	4.22	699	4.78	723	5.36	747	5.96	793	7.19
13788	1800	595	2.41	609	2.68	623	2.96	637	3.23	650	3.51	662	3.79	675	4.07	699	4.65	723	5.24	746	5.84	769	6.46	813	7.73
14554	1900	625	2.77	639	3.06	652	3.34	665	3.63	677	3.93	690	4.22	702	4.52	725	5.12	748	5.73	770	6.36	792	7.00	835	8.32
15320	2000	655	3.17	668	3.47	681	3.77	693	4.07	705	4.38	717	4.69	729	5.00	751	5.63	773	6.27	795	6.92	816	7.58	857	8.95
16852	2200	715	4.08	727	4.41	739	4.74	751	5.07	762	5.41	773	5.74	784	6.08	805	6.76	825	7.45	845	8.16	865	8.87	903	10.33
18384	2400	776	5.16	787	5.52	798	5.88	809	6.24	819	6.60	830	6.97	840	7.33	860	8.07	879	8.82	898	9.57	916	10.34	952	11.89
19916	2600	837	6.42	847	6.81	858	7.20	868	7.59	878	7.98	887	8.38	897	8.77	915	9.56	934	10.37	951	11.17	969	11.99	1003	13.65
21448	2800	898	7.88	908	8.30	918	8.72	927	9.14	936	9.57	946	9.99	955	10.41	972	11.26	989	12.12	1006	12.98	1023	13.85	1055	15.62
22980	3000	960	9.56	969	10.01	978	10.46	987	10.91	996	11.36	1004	11.82	1013	12.27	1029	13.18	1046	14.09	1062	15.01	1077	15.93	1108	17.81
24512	3200	1021	11.47	1030	11.95	1038	12.43	1047	12.91	1055	13.39	1063	13.88	1072	14.36	1087	15.32	1103	16.30	1118	17.27	1133	18.25	1162	20.23
26044	3400	1083	13.63	1091	14.14	1099	14.65	1107	15.16	1115	15.67	1123	16.18	1131	16.69	1146	17.72	1161	18.75	1175	19.78	1189	20.82	1217	22.91
27576	3600	1144	16.05	1152	16.59	1160	17.13	1168	17.67	1175	18.21	1183	18.75	1190	19.29	1205	20.38	1219	21.46	1233	22.55	1246	23.65	1273	25.85
29108	3800	1206	18.74	1214	19.31	1221	19.88	1229	20.45	1236	21.02	1243	21.60	1250	22.17	1264	23.31	1277	24.46	1291	25.60	1304	26.76	1329	29.07
30640	4000	1268	21.73	1275	22.33	1282	22.93	1289	23.53	1296	24.13	1303	24.73	1310	25.33	1323	26.54	1336	27.74	1349	28.95	1362	30.16	1386	32.59
32172	4200	1330	25.02	1337	25.66	1344	26.29	1351	26.92	1357	27.55	1364	28.18	1370	28.81	1383	30.07	1395	31.34	1408	32.60	1420	33.87	—	—

VOL. CFM	OUTLET VEL. FPM	3 S.P.		3.5 S.P.		4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9958	1300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10724	1400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11490	1500	**806**	**7.41**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12256	1600	**821**	**7.92**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13022	1700	**838**	**8.47**	**882**	**9.81**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13788	1800	857	9.06	**899**	**10.44**	**941**	**11.86**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14554	1900	876	9.69	**917**	**11.11**	**957**	**12.57**	**996**	**14.08**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15320	2000	897	10.36	936	11.82	**975**	**13.33**	**1012**	**14.88**	**1050**	**16.47**	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16852	2200	941	11.83	977	13.38	1013	14.97	**1048**	**16.60**	**1083**	**18.28**	**1117**	**19.99**	**1151**	**21.74**	**1185**	**23.53**	—	—	—	—	—	—	—	—
18384	2400	987	13.49	1021	15.13	1055	16.81	1088	18.52	1121	20.28	**1153**	**22.08**	**1185**	**23.91**	**1216**	**25.78**	**1247**	**27.69**	**1278**	**29.63**	—	—	—	—
19916	2600	1036	15.35	1068	17.08	1100	18.85	1131	20.66	1162	22.50	1192	24.38	1222	26.29	**1252**	**28.25**	**1281**	**30.23**	**1310**	**32.25**	**1339**	**34.31**	**1367**	**36.39**
21448	2800	1086	17.41	1117	19.24	1147	21.11	1176	23.01	1205	24.94	1234	26.91	1262	28.91	1291	30.95	1318	33.01	**1346**	**35.12**	**1373**	**37.25**	**1400**	**39.42**
22980	3000	1138	19.71	1167	21.64	1196	23.60	1224	25.59	1251	27.62	1279	29.68	1305	31.77	1332	33.89	1359	36.05	1385	38.23	1411	40.45	—	—
24512	3200	1191	22.24	1218	24.27	1246	26.33	1273	28.42	1299	30.55	1325	32.70	1351	34.88	1376	37.09	1401	39.34	1426	41.61	—	—	—	—
26044	3400	1245	25.02	1271	27.16	1297	29.32	1323	31.52	1348	33.74	1373	35.98	1398	38.26	1422	40.56	—	—	—	—	—	—	—	—
27576	3600	1299	28.07	1325	30.32	1350	32.59	1374	34.88	1398	37.20	1422	39.55	—	—	—	—	—	—	—	—	—	—	—	—
29108	3800	1355	31.40	1379	33.76	1403	36.13	1427	38.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30640	4000	1410	35.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

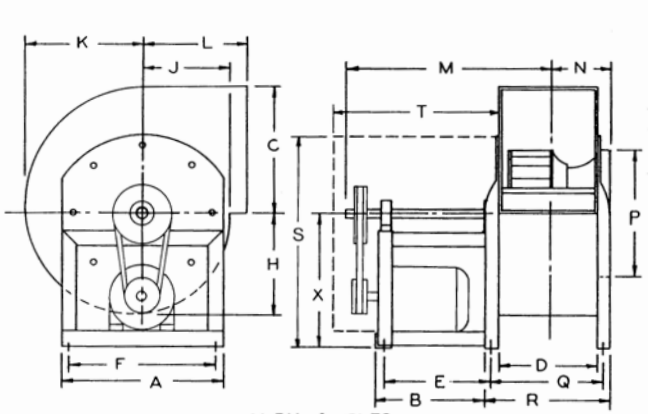
Performance shown is for installation type B—Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Data in bold face indicates quietest and most efficient performance.

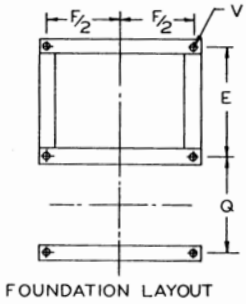
Class I Blowers
Class II Blowers



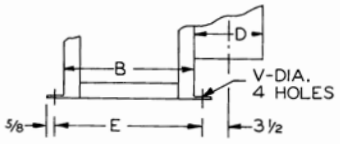


Non-Overloading Belt Drive — Arrangement #10 — SWSI — Class 1

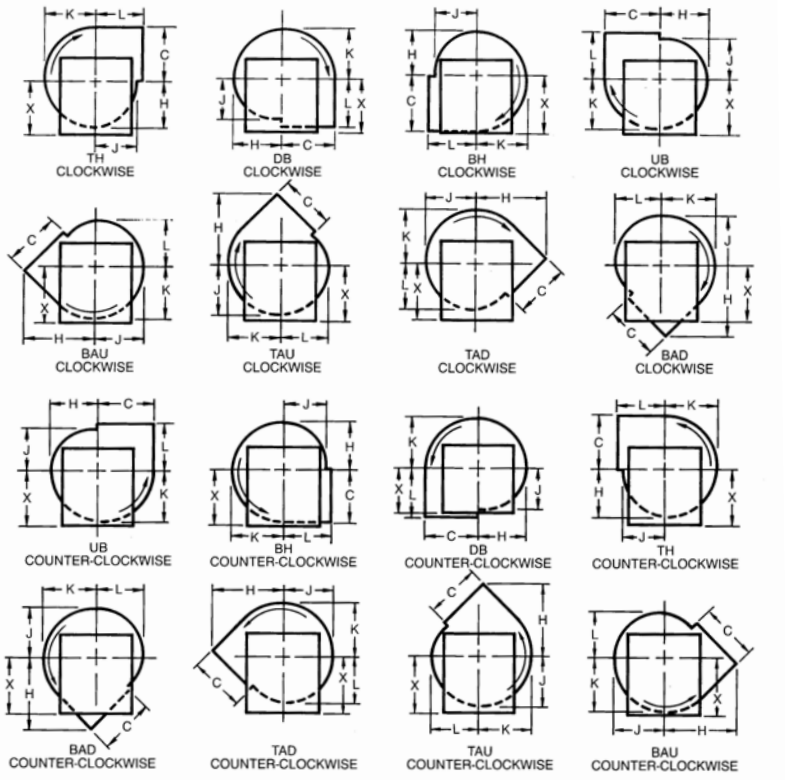




FOUNDATION LAYOUT



BASE DETAIL 105



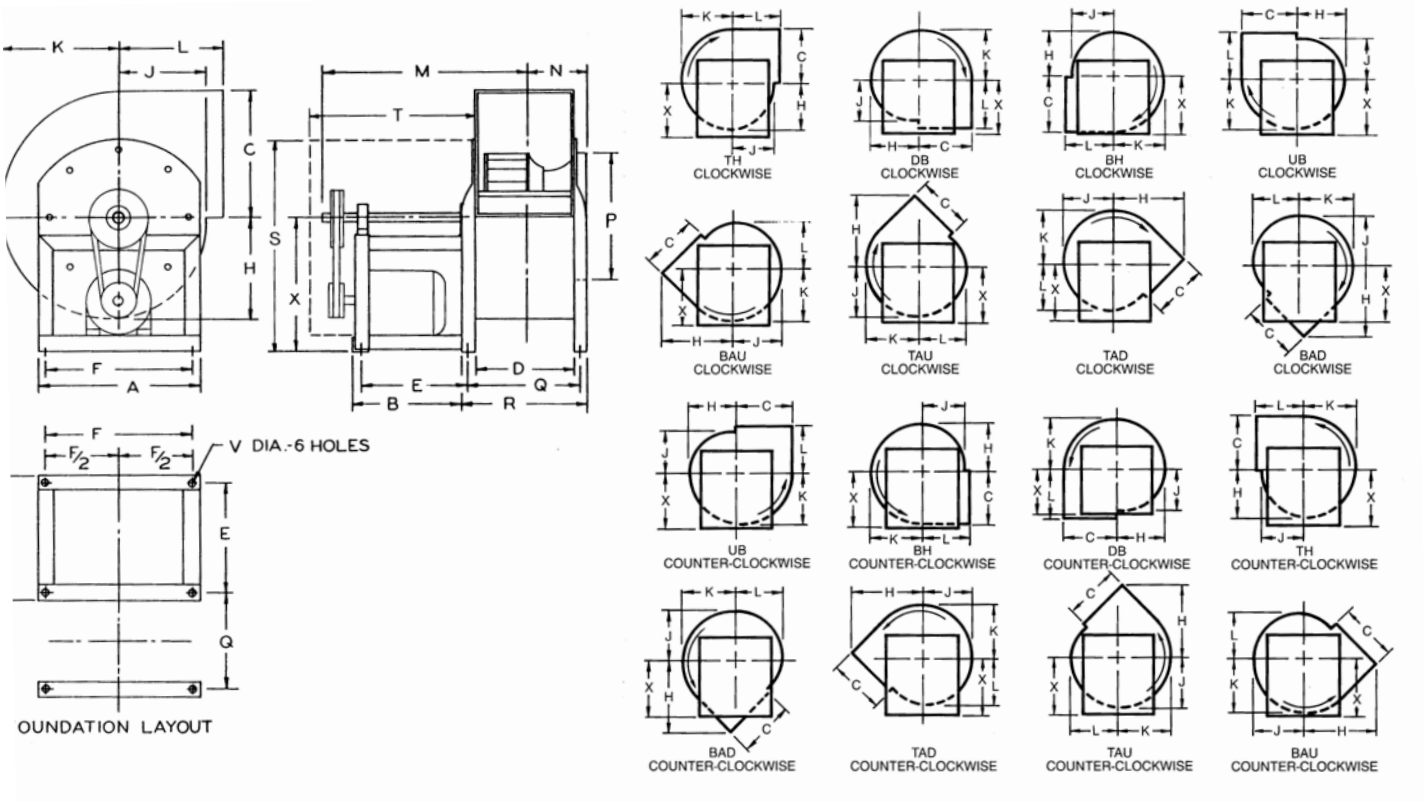
SIZE	WHEEL DIA.	SHAFT DIA.	A	B	C*	D	E	F	TH, DB, BH, UB STRAIGHT DISCHARGE				BAU, TAU, TAD, BAD ANGULAR DISCHARGE			
									H	J	K	L	H	J	K	L
105	10 1/2	3/4	12 7/8	13	11 3/4	8	14 1/4	10 3/4	7 7/8	6 3/4	9 1/8	8 1/16	13 1/4	8 7/8	9 5/8	7 1/8
122	12 1/4	1	16 3/8	13 1/2	13 1/4	9 5/8	13 1/2	14 3/4	10 1/8	8 1/2	11 1/2	10 1/2	16 5/8	10 3/4	12 1/2	9 1/8
135	13 1/2	1	17 5/8	13 1/2	14 5/8	10 3/4	13 1/2	16	11 1/8	9 3/8	12 5/8	11 3/8	18 1/4	11 7/8	13 3/4	10
150	15	1	19 1/4	15 1/2	16 1/4	11 3/4	15 1/2	17 5/8	12 3/8	10 3/8	14 1/8	12 3/8	20 1/8	13 1/4	15 1/4	11 1/8
165	16 1/2	1	21 3/8	15	17 3/4	13	15 1/2	19 3/4	13 5/8	11 3/8	15 1/2	13 3/8	21 7/8	14 5/8	16 3/4	12 1/4
182	18 1/4	1 3/16	23 1/8	17	19 5/8	14 1/4	17 1/2	21 1/2	15	12 5/8	17 1/8	14 5/8	24 1/8	16	18 1/2	13 5/8
200	20	1 3/16	25	17	21 1/2	15 7/8	17	23 3/8	16 1/2	13 3/4	18 3/4	15 3/4	26 3/8	17 5/8	20 3/8	14 7/8
222	22 1/4	1 3/16	27 3/8	16 1/2	24	17 3/8	17	25 3/4	18 1/4	15 1/4	20 7/8	17 1/4	29	19 1/2	22 5/8	16 1/2
245	24 1/2	1 7/16	30 1/4	16 1/2	26 1/4	19 1/4	16 3/4	23 5/8	20 1/8	16 7/8	23	19 7/8	32 1/2	21 1/2	24 7/8	18 1/4
270	27	1 7/16	33	16 1/2	29	21 1/4	16 1/2	26 1/4	22 1/8	18 1/2	25 1/4	21 1/2	35 3/8	23 5/8	27 3/8	20
300	30	1 11/16	36 1/4	16 1/2	32 1/4	23 3/8	16 1/2	29 1/2	24 5/8	20 1/2	28 1/8	23 5/8	39 3/8	26 3/8	30 1/2	22 1/2
330	33	1 11/16	39 1/2	21 3/8	35 3/8	25 7/8	21 5/8	33 1/8	27 1/8	22 1/2	30 7/8	25 5/8	43	28 7/8	33 1/2	24 3/8
365	36 1/2	1 15/16	43 1/8	21 3/8	39 1/4	28 1/2	21 5/8	36 7/8	30	24 7/8	34 1/8	28	47 3/8	32	37 1/8	27

NOTE: Letters “C” and “D” are outside housing dimensions.
*“C” dimension on 105 extends 11/16" beyond center-line.

SIZE	M	N	P	Q	R	S	T	V	X	MAX MOTOR FRAME
105	19 5/8	6	12 7/8	—	—	20 1/2	17	7/16	14	145T
122	23 7/8	6 3/8	13 1/4	11 1/4	12 3/4	25 1/4	20	1/2	17	182T
135	24 3/8	7	14 1/2	12 3/8	13 7/8	25 7/8	20	1/2	17	182T
150	26 7/8	7 1/2	16 1/8	13 3/8	14 7/8	27 5/8	22	1/2	17 7/8	182T
165	27 1/2	8 1/2	17 7/8	14 1/2	17	30 1/8	22	1/2	19 1/2	184T
182	30 5/8	9 1/8	19 5/8	15 3/4	18 1/4	33 3/8	25	1/2	21 7/8	184T
200	31 1/2	10	21 1/2	17 7/8	20 1/8	36 1/4	25	1/2	23 3/4	213T
222	32 3/4	10 5/8	23 7/8	19 3/8	22 5/8	39 3/4	26	1/2	26 1/8	213T
245	33 5/8	11 3/4	26 3/8	21 1/4	24 1/2	42 7/8	26	1/2	27 3/4	215T
270	34 5/8	12 5/8	29	23 3/4	26 1/2	47	26	1/2	30 1/2	215T
300	36	13 3/4	32 1/4	26	28 3/4	51 7/8	27	1/2	33 3/4	254T
330	41 3/8	15	35 3/8	28 3/8	31 1/8	58 1/2	30 3/8	7/8	38 3/8	254T
365	43 1/4	16 1/4	39	31	33 3/4	63 3/4	30 3/8	7/8	42 1/8	254T

TEMPERATURE OPERATING LIMITS TEMPERATURE RPM DERATING FACTORS IN PERCENT:	
STEEL WHEEL	ALUMINUM WHEEL
300°F 100%	150°F 100%
301-400°F 96%	151-200°F 95%
401-500°F 92%	201-250°F 80%
501-600°F 85%	

Non-Overloading Belt Drive — Arrangement #10 — SWSI — Class 2



SIZE	WHEEL DIA.	SHAFT DIA.	A	B	C*	D	E	F	TH, DB, BH, UB STRAIGHT DISCHARGE				BAU, TAU, TAD, BAD ANGULAR DISCHARGE			
									H	J	K	L	H	J	K	L
105	10 1/2	1	16 3/8	15	11 3/4	8	13 1/2	14 3/4	7 7/8	6 3/4	9 1/8	8 1/16	13 1/4	8 7/8	9 5/8	7 1/8
122	12 1/4	1 3/16	16 3/8	15 1/2	13 1/4	9 5/8	15 1/2	14 3/4	10 1/8	8 1/2	11 1/2	10 1/2	16 5/8	10 3/4	12 1/2	9 1/8
135	13 1/2	1 3/16	17 5/8	15 1/2	14 5/8	10 3/4	15 1/2	16	11 1/8	9 3/8	12 5/8	11 3/8	18 1/4	11 7/8	13 3/4	10
150	15	1 3/16	19 1/4	15 1/2	16 1/4	11 3/4	15 1/2	17 5/8	12 3/8	10 3/8	14 1/8	12 3/8	20 1/8	13 1/4	15 1/4	11 1/8
165	16 1/2	1 3/16	21 3/8	21	17 3/4	13	21 1/2	19 3/4	13 5/8	11 3/8	15 1/2	13 3/8	21 7/8	14 5/8	16 3/4	12 1/4
182	18 1/4	1 7/16	23 1/8	21	19 5/8	14 1/4	21 1/2	21 1/2	15	12 5/8	17 1/8	14 5/8	24 1/8	16	18 1/2	13 5/8
200	20	1 7/16	25	21	21 1/2	15 7/8	21	23 3/8	16 1/2	13 3/4	18 3/4	15 3/4	26 3/8	17 5/8	20 3/8	14 7/8
222	22 1/4	1 11/16	27 3/8	22 1/2	24	17 3/8	23	25 3/4	18 1/4	15 1/4	20 7/8	17 1/4	29	19 1/2	22 5/8	16 1/2
245	24 1/2	1 11/16	30 1/4	22 1/2	26 1/4	19 1/4	22 3/4	23 5/8	20 1/8	16 7/8	23	19 7/8	32 1/2	21 1/2	24 7/8	18 1/4
270	27	1 11/16	33	21	29	21 1/4	21 1/8	26 1/4	22 1/8	18 1/2	25 1/4	21 1/2	35 3/8	23 5/8	27 3/8	20
300	30	1 15/16	36 1/4	23	32 1/4	23 3/8	23 1/8	29 1/2	24 5/8	20 1/2	28 1/8	23 5/8	39 3/8	26 3/8	30 1/2	22 1/2
330	33	1 15/16	39 1/2	23	35 3/8	25 7/8	23 1/4	33 1/8	27 1/8	22 1/2	30 7/8	25 5/8	43	28 7/8	33 1/2	24 3/8
365	36 1/2	2 3/16	43 1/8	23	39 1/4	28 1/2	23 1/4	36 7/8	30	24 7/8	34 1/8	28	47 3/8	32	37 1/8	27

NOTE: Letters “C” and “D” are outside housing dimensions.
*“C” dimension on 105 extends 11/16" beyond center-line.

SIZE	M	N	P	Q	R	S	T	V	X	MAX MOTOR FRAME
105	22 3/8	6	12 7/8	—	—	25 1/4	20	1/2	17	128T
122	25 3/8	6 3/8	13 1/4	11 1/4	12 3/4	25 1/4	22	1/2	17	184T
135	25 7/8	7	14 1/2	12 3/8	13 7/8	25 7/8	22	1/2	17	184T
150	27	7 1/2	16 1/8	13 3/8	14 7/8	27 5/8	22	1/2	17 7/8	213T
165	34 1/8	8 1/2	17 7/8	14 1/2	17	30 1/8	29	1/2	19 1/2	254T
182	34 3/4	9 1/8	19 5/8	15 3/4	18 1/4	33 3/8	29	1/2	21 7/8	254T
200	35 5/8	10	21 1/2	17 7/8	20 1/8	36 1/4	29	1/2	23 3/4	254T
222	38 3/8	10 5/8	23 7/8	19 3/8	22 5/8	39 1/4	31 1/2	1/2	26 1/8	256T
245	40 1/2	11 3/4	26 3/8	21 1/4	24 1/2	42 7/8	33	1/2	27 3/4	284T
270	39 5/8	12 5/8	29	23 3/4	26 1/2	47	32	1/2	30 1/2	284T
300	42 5/8	13 3/4	32 1/4	26	28 3/4	51 7/8	33	1/2	33 3/4	286T
330	45	15	35 3/8	28 3/8	31 1/8	58 1/8	34	7/8	38 3/8	324T
365	46 1/4	16 1/4	39	31	33 3/4	63 3/4	34	7/8	42 1/8	234T

TEMPERATURE OPERATING LIMITS TEMPERATURE RPM DERATING FACTORS IN PERCENT:	
STEEL WHEEL	ALUMINUM WHEEL
300°F 100%	150°F 100%
301-400°F 96%	151-200°F 95%
401-500°F 92%	201-250°F 80%
501-600°F 85%	