

vPlume™

Laboratory Exhaust System

TECHNICAL SPECIFICATIONS



PENNBARRY™

BULLETIN vPlume18

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INTRODUCTION

vPlume™

vPlume™ is a commercial lab exhaust fan that ensures a greater margin of safety by effectively dispersing unwanted exhaust, preventing re-entrainment by other ventilation systems.

- Top efficiency in elementary and high schools
- Widest range of available nozzles in the industry

Benefits of vPlume

The vPlume provides a higher level of safety and health by propelling contaminated effluent higher into the air stream where it becomes diluted before contaminants settle back to building envelope or ground level.

- Licensed to bear the AMCA seal for sound and air performance.
- UL 705 certified
- Supplied with AMCA B Spark Resistant Construction
- Featured in a wide performance range (220-84,000 CFM)
- Configured in single, double, or triple fan (or 1, 2, 3) systems
- Easily maintained via a large access door

PennBarry Advantage

PennBarry vPlume™ is the only velocity stack fan featuring an aluminum non-overloading Airfoil wheel providing higher efficiency and performance.

The vPlume has better air and sound performance than competing brands.



CERTIFICATIONS & LISTINGS



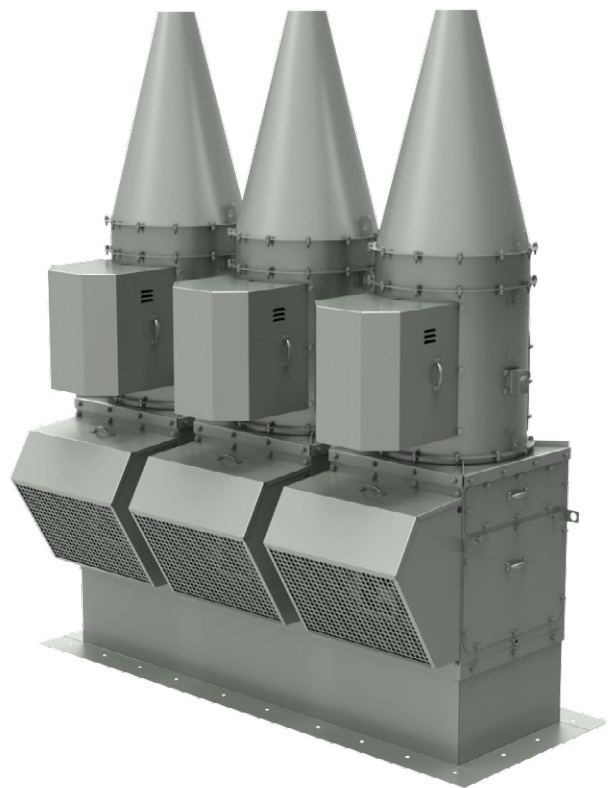
AMCA CERTIFICATION

PennBarry certifies that the vPlume belt drive models 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 AMCA publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



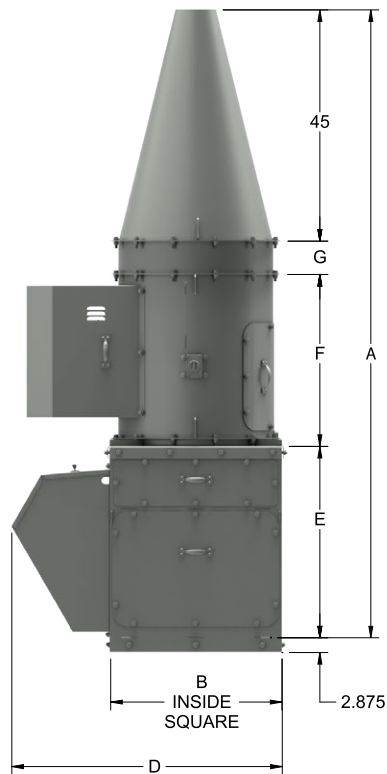
cULus CERTIFICATION

vPlume carries the UL label, UL705, (ZACT / ZACT7), file #E28413.



DIMENSIONAL DRAWINGS

1x1 Plenum



DIMENSIONAL & WEIGHT DATA							
MODEL	A	B	D	E	F	G	WEIGHT*(LBS)
90	122	21 1/2	41	34 1/4	27 1/4	15 1/2	499
105	122	21 1/2	41	34 1/4	27 1/4	15 1/2	499
122	122	21 1/2	41	34 1/4	27 1/4	15 1/2	500
135	122	23 1/2	43	37 1/4	29 1/4	10 1/2	588
150	122	25 1/2	45	38 1/4	31 1/4	7 1/2	660
165	122	27 1/2	47	39	31 1/2	6 1/2	719
182	122	33 1/2	53	37	33 1/2	6 1/2	867
200	123	35 1/2	59	43	35	-	885
222	127	39 1/2	62 1/4	43	39	-	959
245	139	45 1/2	71	51	43	-	1167
270	144	49 1/2	75	51 1/2	47 1/2	-	1368
300	151	58 1/4	85 3/4	53	53	-	1722
330	164	60	89 1/2	59 1/2	59 1/2	-	2018
365	170	63	92 1/2	59	66	-	2307
402	181	70	99 1/2	63	73	-	2711

All dimensions are in inches.

A = Overall system height (without curb)

B = Width of Curb

D = Overall width of the system

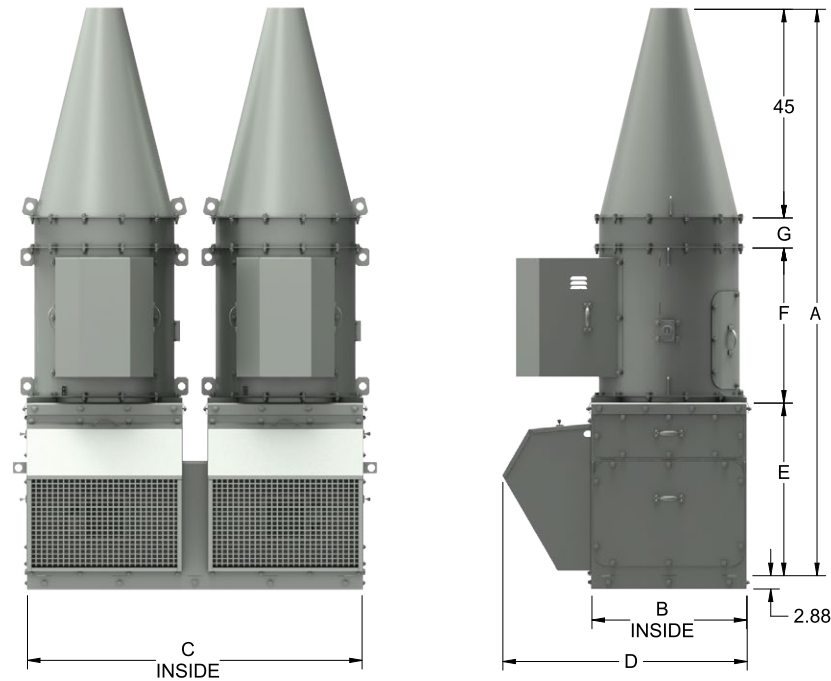
E = Height of plenum

F = Height of fan

G = Height of stack extension

DIMENSIONAL DRAWINGS

With Plenum 2x1



DIMENSIONAL & WEIGHT DATA								
MODEL	A	B	C	D	E	F	G	WEIGHT*(LBS)
90	122	21 1/2	48 1/4	41	34 1/4	27 1/4	15 1/2	942
105	122	21 1/2	48 1/4	41	34 1/4	27 1/4	15 1/2	942
122	122	21 1/2	48 1/4	41	34 1/4	27 1/4	15 1/2	943
135	122	23 1/2	52 1/4	43	37 1/4	29 1/4	10 1/2	1107
150	122	25 1/2	56 1/4	45	38 1/4	31 1/4	7 1/2	1237
165	122	27 1/2	60 1/4	47	39	31 1/2	6 1/2	1348
182	122	33 1/2	72 1/4	53	37	33 1/2	6 1/2	1639
200	123	35 1/2	76 1/4	59	43	35	-	1720
222	127	39 1/2	84 1/4	62 1/4	43	39	-	1860
245	139	45 1/2	96 1/4	71	51	43	-	2248
270	144	49 1/2	104 1/4	75	51 1/2	47 1/2	-	2642
300	151	58 1/4	122	85 3/4	53	53	-	3338
330	164	60	125 3/4	89 1/2	59 1/2	59 1/2	-	3862
365	170	63	131 1/2	92 1/2	59	66	-	4431
402	181	70	145 1/2	99 1/2	63	73	-	5196

All dimensions are in inches.

A = Overall system height (without curb)

B = Width of Curb

C = Length of Curb

D = Overall width of the system

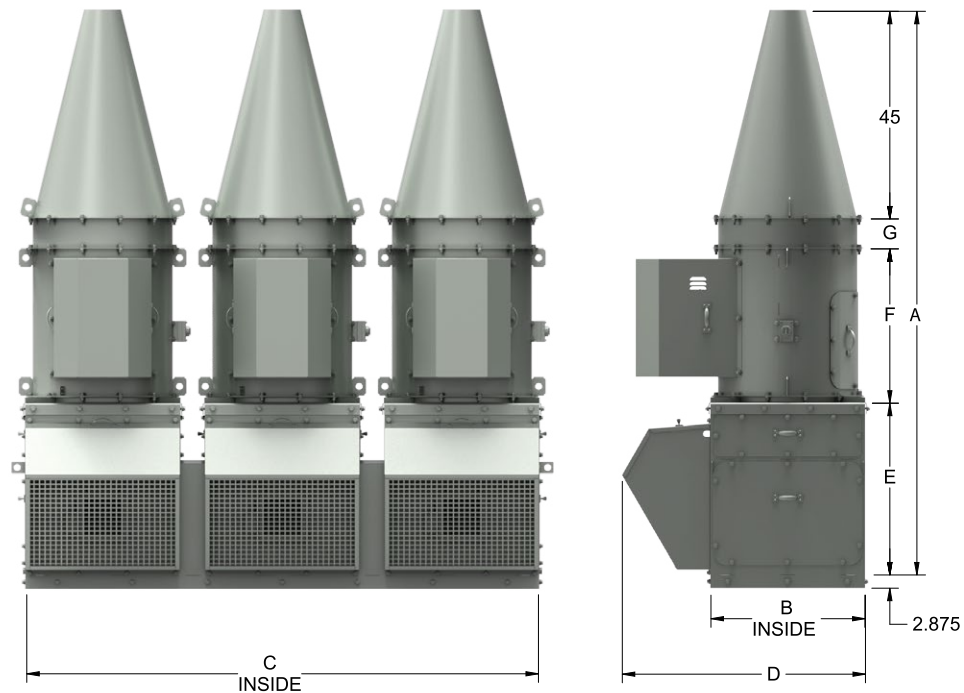
E = Height of plenum

F = Height of fans

G = Height of stack extension

DIMENSIONAL DRAWINGS

With Plenum 3x1



DIMENSIONAL & WEIGHT DATA								
MODEL	A	B	C	D	E	F	G	WEIGHT* (LBS)
90	122	21 1/2	75	41	34 1/4	27 1/4	15 1/2	1400
105	122	21 1/2	75	41	34 1/4	27 1/4	15 1/2	1400
122	122	21 1/2	75	41	34 1/4	27 1/4	15 1/2	1402
135	122	23 1/2	81	43	37 1/4	29 1/4	10 1/2	1645
150	122	25 1/2	87	45	38 1/4	31 1/4	7 1/2	1838
165	122	27 1/2	93	47	39	31 1/2	6 1/2	2002
182	122	33 1/2	119	53	37	33 1/2	6 1/2	2431
200	123	35 1/2	117	59	43	35	-	2433
222	127	39 1/2	129	62 1/4	43	39	-	2701
245	139	45 1/2	147	71	51	43	-	3316
270	144	49 1/2	159	75	51 1/2	47 1/2	-	3889
300	151	58 1/4	185 3/4	85 3/4	53	53	-	4923
330	164	60	191 1/4	89 1/2	59 1/2	59 1/2	-	5564
365	170	63	200 1/4	92 1/2	59	66	-	6538
402	181	70	221	99 1/2	63	73	-	7664

All dimensions are in inches.

A = Overall system height (without curb)

B = Width of Curb

C = Length of Curb

D = Overall width of the system

E = Height of plenum

F = Height of fans

G = Height of stack extension

105 AIR PERFORMANCE

Model	CFM	OV	0.5"SP		1"SP		1.5"SP		2"SP		2.5"SP		3"SP		3.5"SP		4"SP		4.5"SP		5"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
105-5	350	2567	1687	0.13	2087	0.22	2440	0.33	2750	0.45	3034	0.58	3292	0.73	3529	0.88	3755	1.04	3968	1.21	4170	1.38
	420	3080	1862	0.18	2217	0.28	2540	0.40	2838	0.53	3108	0.67	3363	0.82	3596	0.98	3814	1.14	4023	1.32		
	500	3667	2084	0.25	2396	0.37	2687	0.49	2960	0.63	3213	0.78	3457	0.94	3681	1.11	3900	1.29	4098	1.47		
	570	4180	2290	0.34	2570	0.46	2838	0.60	3087	0.74	3327	0.90	3555	1.07	3773	1.25	3980	1.43	4182	1.63		
	640	4694	2504	0.44	2758	0.58	3002	0.72	3237	0.88	3457	1.05	3675	1.23	3882	1.41	4076	1.60				
	720	5280	2755	0.59	2984	0.74	3205	0.90	3419	1.06	3628	1.24	3825	1.43	4019	1.62						
	790	5794	2980	0.75	3192	0.91	3394	1.08	3593	1.25	3790	1.44	3976	1.64	4161	1.84						
	860	6307	3206	0.93	3403	1.11	3592	1.28	3780	1.48	3958	1.67	4135	1.88								
	940	6894	3468	1.18	3650	1.37	3827	1.56	3998	1.76	4167	1.97										
	1010	7407	3700	1.44	3869	1.63	4034	1.84	4198	2.05												
105-6	1080	7921	3936	1.73	4092	1.94																
	500	2546	1793	0.16	2127	0.27	2435	0.38	2726	0.51	2994	0.65	3248	0.80	3485	0.96	3714	1.14	3922	1.31	4130	1.50
	590	3005	1998	0.23	2291	0.34	2567	0.46	2830	0.60	3080	0.75	3315	0.91	3543	1.08	3757	1.25	3962	1.44	4161	1.63
	670	3412	2189	0.30	2454	0.42	2707	0.55	2948	0.70	3178	0.86	3401	1.02	3615	1.20	3821	1.38	4017	1.57		
	750	3820	2387	0.38	2630	0.52	2862	0.66	3084	0.82	3297	0.98	3502	1.15	3704	1.33	3896	1.52	4088	1.73		
	840	4278	2616	0.50	2837	0.65	3048	0.80	3253	0.97	3450	1.14	3639	1.32	3829	1.52	4011	1.72	4188	1.92		
	920	4686	2824	0.63	3029	0.79	3224	0.95	3415	1.13	3599	1.31	3779	1.50	3953	1.70	4126	1.91				
	1000	5093	3034	0.78	3225	0.95	3408	1.13	3585	1.31	3758	1.50	3927	1.70	4092	1.91						
	1090	5551	3274	0.98	3451	1.16	3620	1.35	3788	1.55	3948	1.75	4108	1.96								
	1170	5959	3489	1.19	3655	1.38	3817	1.58	3971	1.78	4124	1.99										
105-7	1250	6366	3704	1.42	3862	1.62	4012	1.83	4162	2.05												
	1340	6825	3948	1.71	4095	1.93																
	670	2507	1998	0.22	2279	0.34	2541	0.46	2788	0.60	3024	0.75	3251	0.91	3472	1.08	3681	1.26	3884	1.44	4081	1.64
	760	2844	2190	0.29	2447	0.42	2686	0.55	2914	0.70	3131	0.85	3341	1.02	3545	1.19	3744	1.38	3938	1.57	4121	1.77
	840	3143	2365	0.36	2605	0.50	2828	0.64	3037	0.80	3241	0.96	3440	1.13	3631	1.31	3816	1.50	4002	1.71	4178	1.91
	930	3480	2567	0.46	2789	0.61	2997	0.76	3192	0.93	3383	1.10	3565	1.28	3747	1.47	3920	1.67	4092	1.87		
	1010	3779	2750	0.56	2959	0.72	3153	0.88	3339	1.06	3516	1.24	3690	1.43	3862	1.63	4027	1.83	4190	2.04		
	1100	4116	2957	0.70	3153	0.87	3337	1.04	3509	1.22	3680	1.42	3842	1.61	4002	1.82	4157	2.03				
	1180	4415	3144	0.83	3330	1.01	3504	1.20	3670	1.39	3829	1.59	3982	1.80	4135	2.01						
	1260	4715	3331	0.99	3506	1.18	3674	1.38	3831	1.58	3983	1.79	4133	2.00								
105-8	1350	5051	3543	1.19	3710	1.39	3866	1.60	4017	1.81	4165	2.03										
	1430	5351	3734	1.38	3894	1.60	4043	1.82	4187	2.04												
	1520	5687	3949	1.63	4099	1.86																
	1600	5987	4139	1.88																		
	880	2521	2314	0.33	2560	0.47	2782	0.61	2992	0.76	3193	0.92	3386	1.09	3576	1.28	3762	1.47	3938	1.66	4114	1.86
	960	2750	2477	0.40	2711	0.55	2921	0.70	3120	0.86	3309	1.03	3492	1.21	3670	1.40	3845	1.59	4014	1.79	4180	2.00
	1050	3008	2664	0.50	2885	0.65	3083	0.82	3270	0.99	3449	1.17	3622	1.35	3790	1.55	3953	1.75	4116	1.96		
	1130	3237	2833	0.59	3041	0.76	3232	0.93	3411	1.11	3583	1.30	3747	1.50	3908	1.70	4062	1.90				
	1210	3466	3003	0.70	3203	0.88	3385	1.06	3555	1.25	3719	1.45	3878	1.65	4029	1.86	4178	2.07				
	1290	3696	3173	0.82	3364	1.01	3540	1.21	3705	1.40	3863	1.61	4012	1.82	4160	2.04						
105-9	1380	3953	3367	0.98	3550	1.18	3719	1.39	3876	1.60	4026	1.81	4171	2.03								
	1460	4183	3541	1.14	3715	1.35	3877	1.56	4030	1.78	4176	2.01										
	1540	4412	3714	1.31	3884	1.53	4039	1.76	4188	1.99												
	1620	4641	3889	1.50	4054	1.73																
	1710	4899	4086	1.73																		
	1110	2513	2679	0.49	2906	0.65	3105	0.82	3291	0.99	3467	1.18	3638	1.37	3801	1.56	3959	1.76	4117	1.98		
	1200	2716	2858	0.59	3074	0.77	3265	0.94	3444	1.13	3612	1.32	3774	1.52	3930	1.72	4083	1.94				
	1280	2897	3018	0.69	3226	0.88	3412	1.07	3583	1.26	3745	1.46	3900	1.67	4050	1.88	4198	2.10				
	1370	3101	3199	0.82	3400	1.02	3577	1.22	3742	1.42	3900	1.63	4048	1.85	4192	2.07						
	1460	3305	3381	0.96	3574	1.17	3747	1.39	3907	1.60	4057	1.82										
105-10	1550	3508	3564	1.12	3751	1.35	3918	1.57	4073	1.80												
	1630	3690	3730	1.28	3909	1.52	4071	1.75														
	1720	3893	3914	1.48	4087	1.73																
	1810	4097	4099	1.69																		
	1370	2512	3106	0.74	3319	0.94	3505	1.13	3676	1.34	3835	1.54	3989	1.76								
	1430	2622	3223	0.82	3431	1.03	3613	1.23	3781	1.45	3937	1.66										
	1480	2714	3320	0.89	3525	1.11	3703	1.32	3867	1.54	4022	1.76										
	1540	2824	3436	0.99	3637	1.21	3813	1.43	3974	1.66												
	1600	2934	3555	1.09	3749	1.32	3922	1.55														
	1660	3044	3672	1.20	3864	1.44	4034	1.68														
105-10	1720	3154	3789	1.31	3977	1.56																
	1780	3264	3907	1.44																		
	1840	3374	4026	1.57																		

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

150 AIR PERFORMANCE (PART 1 OF 2)

Model	CFM	OV	0.5"SP		1"SP		1.5"SP		2"SP		2.5"SP		3"SP		3.5"SP		4"SP		4.5"SP		5"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
150-8	890	2550	1197	0.274	1481	0.471	1723	0.692	1934	0.933	2122	1.188	2292	1.457	2450	1.740	2596	2.035	2732	2.335	2861	2.649
	1150	3295	1386	0.443	1623	0.669	1842	0.923	2043	1.199	2225	1.491	2393	1.797	2549	2.118	2695	2.449	2831	2.789	2959	3.137
	1400	4011	1590	0.680	1791	0.935	1983	1.218	2165	1.522	2338	1.849	2498	2.188	2650	2.542	2792	2.907	2927	3.282	3056	3.671
	1660	4756	1816	1.021	1986	1.307	2154	1.619	2317	1.954	2473	2.308	2623	2.680	2767	3.070	2904	3.468	3035	3.880	3161	4.304
	1910	5472	2040	1.455	2190	1.772	2337	2.114	2482	2.477	2625	2.861	2762	3.260	2896	3.678	3026	4.109	3151	4.552		
	2170	6217	2279	2.031	2412	2.385	2543	2.759	2672	3.152	2799	3.562	2925	3.993	3049	4.442						
	2420	6933	2513	2.726	2632	3.114	2750	3.519	2867	3.942	2983	4.381	3098	4.841								
	2680	7678	2758	3.606	2866	4.030	2973	4.470	3079													
	2930	8394	2996	4.622																		
150-9	1110	2513	1234	0.320	1486	0.525	1720	0.763	1932	1.024	2124	1.303	2299	1.597	2461	1.905	2611	2.224	2752	2.555	2885	2.896
	1360	3078	1406	0.478	1617	0.706	1820	0.964	2013	1.249	2196	1.556	2366	1.880	2525	2.219	2675	2.571	2817	2.937	2950	3.310
	1610	3644	1592	0.694	1772	0.948	1948	1.228	2120	1.534	2286	1.863	2446	2.214	2598	2.579	2744	2.962	2883	3.357	3014	3.761
	1860	4210	1786	0.978	1944	1.261	2098	1.564	2250	1.892	2400	2.243	2546	2.615	2687	3.003	2825	3.409	2957	3.829	3086	4.266
	2110	4776	1986	1.341	2126	1.653	2263	1.982	2399	2.335	2532	2.706	2665	3.097	2795	3.508	2923	3.936	3047	4.379		4.838
	2360	5342	2190	1.792	2316	2.135	2439	2.494	2562	2.871	2682	3.263	2802	3.678	2921	4.111	3038	4.558				
	2610	5908	2396	2.342	2511	2.716	2623	3.104	2734	3.507	2845	3.929	2954	4.366	3063	4.820						
	2860	6474	2604	3.001	2709	3.407	2813	3.825	2915	4.257	3016	4.705										
	3110	7040	2815	3.782	2911	4.216	3006	4.666														
	3360	7605	3025	4.689																		
150-10	1410	2585	1352	0.424	1558	0.643	1758	0.893	1951	1.172	2135	1.474	2309	1.797	2471	2.135	2624	2.488	2768	2.851	2905	3.229
	1670	3062	1529	0.608	1706	0.853	1878	1.123	2048	1.420	2213	1.741	2373	2.084	2526	2.443	2674	2.822	2816	3.216	2951	3.623
	1920	3520	1707	0.839	1864	1.112	2015	1.404	2165	1.719	2312	2.056	2457	2.415	2599	2.797	2737	3.193	2872	3.610	3002	4.037
	2170	3979	1890	1.130	2030	1.431	2166	1.748	2300	2.086	2432	2.442	2563	2.819	2693	3.216	2819	3.628	2944	4.060	3067	4.509
	2420	4437	2076	1.487	2204	1.818	2327	2.163	2448	2.522	2568	2.901	2686	3.298	2804	3.712	2920	4.142	3037	4.594		
	2670	4895	2264	1.920	2382	2.282	2495	2.653	2606	3.042	2716	3.444	2823	3.858	2932	4.295	3039	4.745				
	2920	5354	2455	2.436	2563	2.828	2668	3.231	2770	3.643	2872	4.071	2972	4.513								
	3170	5812	2646	3.040	2747	3.463	2845	3.896	2941	4.339	3034	4.792										
	3430	6289	2847	3.775	2941	4.231	3032	4.693														
	3680	6747	3041	4.588																		
150-11	1670	2530	1461	0.523	1641	0.760	1815	1.020	1985	1.307	2152	1.618	2314	1.954	2470	2.307	2620	2.680	2763	3.067	2902	3.472
	1920	2909	1627	0.712	1787	0.975	1941	1.259	2091	1.561	2240	1.888	2386	2.237	2530	2.608	2670	2.996	2806	3.403	2939	3.825
	2170	3288	1798	0.949	1943	1.240	2082	1.548	2217	1.872	2350	2.216	2481	2.581	2612	2.965	2740	3.369	2867	3.790	2991	4.228
	2420	3667	1971	1.238	2105	1.560	2231	1.892	2354	2.241	2475	2.607	2594	2.988	2713	3.387	2831	3.807	2946	4.242	3061	4.693
	2670	4046	2147	1.588	2271	1.940	2387	2.300	2500	2.673	2612	3.062	2721	3.464	2829	3.881	2937	4.316	3044	4.769		
	2930	4440	2332	2.020	2447	2.403	2555	2.795	2660	3.196	2763	3.611	2863	4.035	2964	4.477						
	3180	4819	2512	2.510	2619	2.924	2721	3.346	2819	3.776	2915	4.217	3009	4.665								
	3430	5197	2693	3.077	2793	3.523	2889	3.974	2981	4.433	3071											
	3680	5576	2874	3.729	2969	4.205	3060	4.689														
	3930	5955	3057	4.469																		
150-12	1980	2521	1613	0.678	1774	0.944	1925	1.225	2072	1.527	2217	1.850	2360	2.195	2502	2.562	2639	2.947	2776	3.355	2906	3.772
	2220	2827	1769	0.882	1917	1.175	2055	1.480	2189	1.803	2319	2.141	2449	2.501	2577	2.880	2704	3.278	2830	3.697	2953	4.131
	2460	3132	1928	1.128	2065	1.449	2193	1.780	2316	2.125	2435	2.484	2554	2.860	2671	3.255	2787	3.667	2902	4.094	3016	4.540
	2700	3438	2089	1.420	2217	1.770	2336	2.130	2451	2.499	2562	2.880	2670	3.275	2779	3.688	2885	4.113	2992	4.557		
	2940	3743	2251	1.762	2371	2.142	2483	2.529	2591	2.925	2694	3.329	2796	3.747	2897	4.179	2996	4.625				
	3180	4049	2414	2.159	2528	2.571	2634	2.986	2735	3.407	2834	3.841	2929	4.281	3023	4.733						
	3420	4354	2579	2.617	2687	3.059	2788	3.505	2884	3.954	2976	4.411	3067	4.879								
	3660	4660	2745	3.139	2847	3.613	2943	4.086	3034	4.565	3122											
	3900	4966	2911	3.732	3009	4.234	3100	4.737														
	4140	5271	3079	4.398																		

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

150 AIR PERFORMANCE (PART 2 OF 2)

Model	CFM OV		0.5"SP		1"SP		1.5"SP		2"SP		2.5"SP		3"SP		3.5"SP		4"SP		4.5"SP		5"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
150-13	2360	2560	1814	0.926	1961	1.233	2094	1.549	2223	1.880	2348	2.225	2470	2.588	2593	2.972	2714	3.370	2834	3.790	2952	4.225
	2580	2799	1955	1.145	2093	1.478	2219	1.820	2339	2.172	2455	2.537	2570	2.918	2682	3.312	2794	3.725	2904	4.154	3014	4.600
	2790	3027	2091	1.387	2222	1.748	2342	2.113	2455	2.488	2564	2.872	2671	3.270	2777	3.683	2881	4.108	2985	4.551		
	3010	3266	2234	1.678	2359	2.066	2472	2.456	2580	2.857	2684	3.263	2785	3.683	2884	4.114	2982	4.559				
	3230	3504	2379	2.011	2497	2.426	2606	2.846	2709	3.269	2808	3.702	2903	4.142	2996	4.590						
	3450	3743	2524	2.388	2637	2.831	2741	3.276	2840	3.727	2934	4.185	3025	4.646								
	3660	3971	2663	2.791	2772	3.262	2872	3.735	2966	4.208	3057	4.688										
	3880	4209	2810	3.262	2914	3.761	3010	4.261	3101	4.763												
	4100	4448	2957	3.790	3057	4.315	3150	4.846														
	4320	4687	3105	4.373																		
150-14	2680	2507	1980	1.162	2119	1.508	2244	1.858	2362	2.217	2476	2.590	2588	2.974	2697	3.373	2805	3.789	2913	4.221	3019	4.666
	2870	2685	2099	1.373	2233	1.742	2353	2.115	2466	2.498	2574	2.886	2680	3.288	2783	3.702	2885	4.131	2986	4.573		
	3060	2862	2220	1.610	2348	2.005	2464	2.401	2572	2.803	2676	3.214	2777	3.634	2874	4.063	2971	4.505				
	3260	3050	2347	1.891	2471	2.311	2582	2.730	2686	3.156	2785	3.588	2882	4.029	2975	4.478						
	3450	3227	2469	2.189	2588	2.632	2695	3.075	2796	3.524	2892	3.979	2985	4.439								
	3640	3405	2591	2.516	2706	2.986	2811	3.455	2908	3.925	3001	4.402	3090	4.882								
	3840	3592	2720	2.899	2831	3.394	2933	3.889	3027	4.383	3116	4.882	3203									
	4030	3770	2844	3.300	2951	3.816	3049	4.334	3141	4.856												
	4220	3948	2967	3.736	3071	4.279	3166	4.821														
	4410	4125	3091	4.211	3191	4.777																
150-15	4610	4312	3222	4.755																		
	3070	2502	2191	1.526	2324	1.921	2442	2.317	2552	2.720	2656	3.128	2757	3.546	2855	3.975	2952	4.416	3048	4.870		
	3250	2648	2303	1.761	2431	2.178	2546	2.598	2652	3.020	2753	3.449	2850	3.884	2945	4.333	3037	4.789				
	3420	2787	2409	2.005	2534	2.443	2645	2.885	2748	3.327	2846	3.775	2940	4.230	3031	4.692						
	3590	2925	2516	2.272	2637	2.733	2746	3.196	2845	3.657	2940	4.124	3032	4.600								
	3760	3064	2623	2.562	2741	3.046	2846	3.530	2944	4.015	3036	4.502										
	3930	3202	2731	2.880	2845	3.384	2948	3.890	3043	4.394												
	4100	3341	2839	3.224	2949	3.749	3050	4.276	3143	4.805												
	4270	3480	2946	3.595	3055	4.143	3153	4.693														
	4450	3626	3061	4.020	3166	4.589																
150-16	4620	3765	3170	4.452																		
	4790	3903	3278	4.916																		
	3490	2500	2422	2.008	2549	2.456	2662	2.906	2765	3.356	2863	3.811	2956	4.271	3047	4.741						
	3620	2593	2502	2.206	2627	2.671	2737	3.135	2839	3.603	2935	4.075	3026	4.549								
	3740	2679	2577	2.401	2699	2.882	2807	3.362	2907	3.845	3001	4.327	3091	4.816								
	3870	2772	2658	2.626	2777	3.121	2883	3.619	2982	4.118	3074	4.616										
	4000	2865	2738	2.863	2855	3.375	2960	3.890	3056	4.404	3147	4.921										
	4130	2958	2819	3.116	2934	3.646	3037	4.176	3132	4.709	3221											
	4260	3051	2900	3.385	3013	3.933	3114	4.479														
	4390	3144	2981	3.670	3091	4.232	3192	4.799														
150-17	4520	3237	3063	3.972	3171	4.550																
	4650	3330	3145	4.292	3250	4.885																
	4780	3423	3226	4.628																		
	3960	2512	2686	2.680	2807	3.188	2914	3.695	3013	4.206	3105	4.717										
	4050	2569	2741	2.843	2860	3.362	2967	3.881	3064	4.403												
	4150	2633	2802	3.034	2920	3.563	3025	4.095	3121	4.628												
	4250	2696	2864	3.231	2979	3.772	3083	4.319	3179	4.865												
	4350	2760	2925	3.439	3039	3.992	3142	4.551														
	4450	2823	2987	3.654	3099	4.221	3201	4.793														
	4540	2880	3043	3.858	3154	4.435																
150-18	4640	2944	3104	4.092	3214	4.682																
	4740	3007	3166	4.337																		
	4840	3071	3228	4.591																		
	4940	3134	3290	4.854																		

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

165 AIR PERFORMANCE (PART 1 OF 2)

Model	CFM	OV	0.5"SP		1"SP		1.5"SP		2"SP		2.5"SP		3"SP		3.5"SP		4"SP		4.5"SP		5"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
165-8	870	2492	1056	0.244	1319	0.419	1533	0.612	1719	0.821	1883	1.042	2034	1.279	2172	1.524	2301	1.780	2425	2.050		
	1050	3008	1158	0.339	1401	0.539	1608	0.756	1789	0.987	1951	1.231	2099	1.489	2235	1.755	2364	2.035				
	1230	3524	1271	0.464	1494	0.688	1689	0.929	1864	1.184	2024	1.453	2169	1.732	2304	2.022	2430	2.319				
	1410	4039	1390	0.624	1594	0.872	1779	1.137	1946	1.416	2100	1.709	2243	2.012	2375	2.322						
	1580	4526	1509	0.811	1696	1.081	1869	1.369	2029	1.671	2178	1.986	2316	2.310	2446	2.645						
	1760	5042	1639	1.052	1810	1.346	1971	1.658	2123	1.984	2266	2.324	2399	2.672								
	1940	5558	1772	1.341	1930	1.661	2080	1.995	2223	2.347	2359	2.710										
	2120	6073	1908	1.686	2053	2.028	2193	2.388	2329	2.763												
	2300	6589	2046	2.089	2181	2.456	2312	2.841	2439	3.237												
	2480	7105	2185	2.556	2311	2.949	2434	3.357														
165-9	2660	7620	2326	3.092	2444	3.510																
	1110	2513	1069	0.287	1324	0.484	1542	0.701	1731	0.934	1900	1.181	2053	1.439	2194	1.707	2327	1.990				
	1320	2988	1174	0.395	1402	0.615	1608	0.857	1792	1.115	1958	1.387	2109	1.670	2250	1.964	2381	2.269				
	1520	3441	1284	0.527	1489	0.769	1680	1.033	1855	1.315	2017	1.611	2166	1.919	2305	2.237	2435	2.566				
	1720	3893	1401	0.693	1585	0.956	1761	1.242	1927	1.547	2081	1.866	2226	2.197	2362	2.540						
	1920	4346	1523	0.896	1689	1.181	1850	1.488	2005	1.815	2153	2.158	2292	2.512	2425	2.879						
	2120	4799	1648	1.141	1800	1.448	1948	1.777	2092	2.125	2231	2.489	2364	2.867								
	2320	5251	1775	1.431	1915	1.761	2052	2.112	2186	2.481	2317	2.867	2443	3.268								
	2530	5727	1912	1.790	2040	2.145	2166	2.518	2291	2.910	2414	3.319										
	2730	6179	2043	2.190	2162	2.566	2280	2.963	2397	3.377												
165-10	2930	6632	2176	2.647	2287	3.047	2397	3.466														
	3130	7085	2309	3.167	2414	3.593																
	1360	2494	1100	0.336	1330	0.549	1542	0.787	1732	1.045	1904	1.316	2060	1.599	2205	1.893	2340	2.199				
	1570	2879	1202	0.444	1405	0.675	1599	0.934	1780	1.212	1947	1.507	2102	1.814	2245	2.133	2380	2.462				
	1790	3282	1315	0.585	1496	0.837	1672	1.115	1840	1.414	1999	1.732	2148	2.062	2289	2.406	2422	2.761				
	2000	3667	1428	0.751	1592	1.022	1752	1.319	1907	1.639	2057	1.976	2200	2.328	2337	2.695						
	2220	4070	1551	0.961	1699	1.255	1845	1.572	1988	1.910	2127	2.267	2262	2.639	2392	3.028						
	2430	4455	1671	1.200	1807	1.515	1940	1.851	2072	2.207	2202	2.584	2329	2.975								
	2640	4840	1792	1.480	1918	1.816	2042	2.172	2164	2.548	2285	2.943	2404	3.353								
	2860	5244	1921	1.820	2037	2.179	2153	2.558	2266	2.955	2379	3.368										
165-11	3070	5629	2046	2.194	2155	2.577	2262	2.976	2368	3.392												
	3280	6014	2171	2.620	2273	3.025	2374	3.446														
	3500	6417	2304	3.125	2399	3.553																
	1680	2546	1184	0.428	1378	0.658	1566	0.917	1745	1.199	1912	1.499	2069	1.815	2215	2.142	2351	2.478				
	1890	2864	1285	0.546	1459	0.794	1630	1.069	1795	1.368	1953	1.686	2103	2.021	2246	2.370	2381	2.730				
	2100	3182	1391	0.688	1549	0.955	1703	1.247	1855	1.562	2003	1.898	2146	2.250	2283	2.620	2415	3.001				
	2310	3500	1499	0.859	1644	1.144	1786	1.453	1925	1.785	2062	2.136	2197	2.507	2328	2.894						
	2520	3818	1610	1.058	1743	1.364	1874	1.691	2003	2.040	2131	2.408	2256	2.794	2379	3.196						
	2730	4137	1722	1.290	1846	1.617	1968	1.963	2087	2.327	2206	2.712	2324	3.114	2440	3.534						
	2940	4455	1835	1.556	1951	1.903	2065	2.269	2177	2.652	2288	3.055	2398	3.472								
165-12	3150	4773	1950	1.861	2059	2.230	2166	2.615	2271	3.017	2375	3.437										
	3360	5091	2066	2.205	2169	2.596	2269	3.002	2368	3.422												
	3570	5409	2182	2.592	2279	3.004	2375	3.431														
	3780	5728	2299	3.025	2391	3.459																
	1960	2496	1264	0.514	1435	0.760	1600	1.032	1763	1.329	1919	1.647	2070	1.984	2213	2.334	2349	2.697				
	2160	2750	1359	0.634	1516	0.897	1667	1.184	1817	1.495	1963	1.827	2105	2.179	2242	2.546	2374	2.927				
	2370	3018	1461	0.782	1606	1.063	1745	1.366	1883	1.693	2018	2.039	2151	2.406	2281	2.790	2407	3.188				
	2570	3272	1561	0.946	1695	1.246	1825	1.565	1953	1.907	2079	2.267	2203	2.647	2326	3.045	2446	3.461				
	2780	3540	1667	1.144	1792	1.464	1913	1.802	2032	2.159	2149	2.535	2266	2.929	2381	3.344						
	2980	3794	1768	1.358	1886	1.698	2001	2.055	2112	2.429	2222	2.819	2332	3.228	2440	3.654						
165-12	3180	4049	1871	1.602	1983	1.962	2091	2.336	2196	2.727	2300	3.134	2403	3.558								
	3390	4316	1980	1.889	2086	2.271	2188	2.665	2288	3.074	2386	3.498										
	3590	4571	2084	2.196	2185	2.597	2282	3.010	2377	3.437												
	3800	4838	2195	2.555	2290	2.977	2383	3.411														
	4000	5093	2300	2.932	2391	3.375																

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

182 AIR PERFORMANCE (PART 1 OF 2)

Model	CFM	OV	0.5"SP		1"SP		1.5"SP		2"SP		2.5"SP		3"SP		3.5"SP		4"SP		4.5"SP		5"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
182-9	1110	2513	945	0.292	1182	0.503	1376	0.732	1544	0.976	1694	1.234	1830	1.504	1956	1.785	2073	2.075	2184	2.381	2289	2.694
	1350	3056	1042	0.413	1258	0.655	1445	0.917	1608	1.192	1755	1.482	1889	1.781	2013	2.093	2129	2.412	2239	2.744	2343	3.089
	1590	3599	1149	0.572	1344	0.844	1520	1.137	1677	1.446	1820	1.768	1952	2.100	2074	2.442	2189	2.793	2298	3.158	2401	3.528
	1830	4142	1263	0.778	1440	1.079	1603	1.403	1753	1.743	1891	2.096	2019	2.461	2139	2.837	2252	3.220	2360	3.616	2461	4.016
	2070	4686	1383	1.036	1543	1.366	1694	1.720	1836	2.092	1968	2.477	2092	2.873	2209	3.282	2319	3.699	2424	4.123	2525	4.560
	2310	5229	1507	1.355	1653	1.714	1792	2.096	1925	2.498	2051	2.914	2170	3.343	2283	3.784	2390	4.232	2493	4.689		
	2550	5772	1634	1.739	1767	2.127	1896	2.539	2021	2.971	2140	3.417	2253	3.876	2362	4.347						
	2790	6315	1763	2.197	1886	2.615	2006	3.057	2122	3.516	2234	3.992	2343	4.483								
	3030	6859	1895	2.737	2008	3.184	2120	3.655	2228	4.143	2334	4.647										
	3270	7402	2027	3.362	2133	3.840	2237	4.338	2339	4.855												
	3510	7945	2161	4.082	2259	4.590																
	3750	8488	2295	4.902																		
182-10	1360	2494	949	0.328	1178	0.560	1375	0.816	1547	1.088	1699	1.373	1838	1.669	1967	1.979	2085	2.296	2198	2.626	2304	2.965
	1620	2970	1042	0.451	1247	0.709	1432	0.995	1598	1.298	1748	1.617	1886	1.947	2013	2.288	2131	2.637	2243	2.997	2349	3.367
	1880	3447	1145	0.610	1327	0.893	1498	1.206	1656	1.541	1801	1.890	1936	2.253	2061	2.628	2179	3.010	2290	3.405	2395	3.805
	2140	3924	1255	0.813	1418	1.121	1573	1.459	1721	1.820	1860	2.201	1991	2.595	2114	3.003	2229	3.419	2339	3.845	2444	4.283
	2400	4400	1370	1.063	1516	1.397	1658	1.760	1795	2.148	1927	2.556	2051	2.980	2170	3.415	2283	3.867	2391	4.325	2494	4.795
	2660	4877	1488	1.367	1620	1.727	1751	2.116	1878	2.529	2000	2.963	2119	3.414	2232	3.879	2342	4.360				
	2930	5372	1612	1.746	1734	2.135	1853	2.549	1970	2.988	2085	3.449	2196	3.927	2304	4.422						
	3190	5849	1735	2.178	1847	2.595	1957	3.036	2066	3.500	2172	3.983	2277	4.486								
	3450	6325	1859	2.682	1962	3.126	2065	3.594	2166	4.082	2266	4.593										
	3710	6802	1984	3.262	2080	3.734	2176	4.229	2270	4.744												
	3970	7279	2109	3.923	2200	4.427																
	4230	7756	2236	4.677																		
	1650	2500	977	0.382	1184	0.630	1375	0.910	1547	1.212	1701	1.529	1843	1.860	1973	2.199	2095	2.551	2209	2.910	2317	3.281
182-11	1930	2924	1075	0.517	1257	0.787	1430	1.091	1592	1.421	1742	1.769	1881	2.133	2010	2.508	2131	2.892	2245	3.288	2353	3.692
	2220	3364	1185	0.695	1345	0.990	1500	1.317	1650	1.672	1791	2.049	1925	2.443	2051	2.851	2171	3.272	2284	3.703	2391	4.141
	2500	3788	1295	0.910	1439	1.229	1579	1.579	1716	1.955	1848	2.356	1975	2.777	2097	3.215	2213	3.667	2323	4.127	2430	4.603
	2780	4212	1410	1.172	1539	1.518	1667	1.890	1792	2.289	1915	2.713	2034	3.158	2149	3.620	2260	4.099	2368	4.592		
	3070	4652	1530	1.499	1649	1.872	1765	2.269	1880	2.693	1993	3.138	2104	3.606	2212	4.094	2318	4.600				
	3350	5076	1649	1.871	1758	2.274	1865	2.696	1971	3.143	2076	3.611	2179	4.100	2281	4.610						
	3640	5516	1773	2.325	1874	2.756	1973	3.207	2072	3.678	2169	4.171	2265	4.683								
	3920	5940	1894	2.831	1989	3.292	2081	3.770	2173	4.267	2264	4.784										
	4200	6364	2016	3.410	2105	3.900	2192	4.406														
	4490	6804	2144	4.093	2227	4.613																
	4770	7228	2268	4.840																		
	1980	2521	1034	0.462	1214	0.724	1386	1.022	1549	1.348	1702	1.696	1844	2.061	1975	2.438	2099	2.825	2215	3.223	2325	3.632
182-12	2270	2890	1135	0.611	1294	0.895	1448	1.212	1598	1.560	1741	1.932	1877	2.324	2005	2.732	2127	3.153	2242	3.584	2352	4.027
	2560	3259	1240	0.795	1383	1.104	1522	1.442	1658	1.809	1790	2.203	1918	2.617	2042	3.052	2159	3.500	2272	3.963	2380	4.439
	2850	3629	1349	1.019	1479	1.354	1605	1.714	1729	2.101	1851	2.513	1970	2.950	2086	3.408	2199	3.881	2307	4.370	2413	4.875
	3140	3998	1461	1.287	1580	1.650	1695	2.034	1809	2.443	1921	2.875	2032	3.330	2140	3.806	2246	4.302	2350	4.816		
	3430	4367	1574	1.603	1684	1.994	1791	2.404	1896	2.835	1999	3.288	2102	3.763	2203	4.259	2303	4.775				
	3720	4736	1689	1.973	1791	2.391	1890	2.828	1988	3.284	2084	3.758	2180	4.255	2274	4.771						
	4010	5106	1805	2.399	1901	2.848	1993	3.311	2085	3.792	2175	4.290	2264	4.808								
	4310	5488	1926	2.904	2016	3.384	2103	3.877	2188	4.386												
	4600	5857	2044	3.462	2128	3.970	2210	4.491														
	4890	6226	2162	4.088	2242	4.628																
	5180	6595	2281	4.792																		
	2300	2495	1098	0.550	1257	0.828	1411	1.137	1560	1.478	1704	1.846	1842	2.237	1972	2.641	2095	3.064	2212	3.494	2323	3.938
182-13	2590	2810	1197	0.707	1341	1.009	1479	1.339	1615	1.697	1748	2.083	1876	2.492	2001	2.923	2120	3.369	2235	3.831	2344	4.303
	2890	3135	1303	0.904	1434	1.232	1560	1.585	1683	1.962	1805	2.366	1924	2.795	2040	3.244	2153	3.714	2263	4.201	2370	4.702
	3180	3450	1408	1.130	1529	1.486	1645	1.862	1758	2.259	1870	2.682	1980	3.127	2088	3.595	2195	4.082	2299	4.591		
	3470	3765	1515	1.397	1627	1.780	1734	2.180	1839	2.601	1943	3.043	2045	3.506	2146	3.990	2246	4.497				
	3760	4079	1623	1.705	1727	2.119	1828	2.544	1925	2.988	2022	3.451	2117	3.936	2212	4.439						
	4060	4405	1736	2.074	1834	2.518	1928	2.972	2019	3.442	2109	3.929	2198	4.432								
	4350	4719	1846	2.482	1938	2.955	2027	3.438	2113	3.933	2198	4.444										
	4640	5034	1956	2.943	2044	3.446	2128	3.956	2210	4.481												
	4940	5359	2072	3.481	2154	4.014	2234	4.556														
	5230	5674	2183	4.062	2262	4.626																
	5520	5989	2296	4.709																		

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

182 AIR PERFORMANCE (PART 2 OF 2)

Model	CFM	OV	0.5"SP		1"SP		1.5"SP		2"SP		2.5"SP		3"SP		3.5"SP		4"SP		4.5"SP		5"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
182-14	2680	2507	1190	0.682	1331	0.986	1466	1.314	1599	1.671	1729	2.055	1856	2.465	1979	2.895	2098	3.345	2212	3.810	2322	4.289
	2970	2778	1288	0.855	1418	1.185	1542	1.535	1663	1.910	1782	2.310	1900	2.736	2015	3.184	2127	3.653	2237	4.139	2343	4.643
	3260	3050	1388	1.058	1509	1.416	1624	1.790	1735	2.185	1845	2.604	1954	3.044	2061	3.507	2166	3.993	2270	4.498		
	3550	3321	1490	1.295	1603	1.681	1710	2.081	1814	2.498	1916	2.935	2017	3.394	2116	3.874	2215	4.374	2312	4.895		
	3840	3592	1593	1.569	1699	1.985	1800	2.411	1897	2.853	1992	3.311	2087	3.789	2179	4.285	2272	4.803				
	4130	3863	1697	1.883	1797	2.328	1892	2.782	1984	3.248	2074	3.730	2162	4.228	2249	4.745						
	4420	4135	1802	2.239	1897	2.714	1987	3.197	2074	3.690	2159	4.196	2242	4.716								
	4710	4406	1907	2.642	1998	3.147	2083	3.657	2166	4.177	2246	4.708										
	5000	4677	2013	3.092	2099	3.627	2181	4.169	2260	4.716												
	5290	4948	2120	3.593	2202	4.161	2280	4.729														
	5580	5220	2227	4.150	2306	4.748																
	5870	5491	2335	4.765																		
182-15	3060	2494	1285	0.833	1415	1.168	1537	1.520	1656	1.895	1773	2.295	1887	2.718	2001	3.167	2111	3.635	2220	4.124	2326	4.629
	3340	2722	1379	1.015	1501	1.377	1615	1.753	1725	2.147	1833	2.565	1939	3.004	2045	3.466	2148	3.947	2251	4.452		
	3620	2950	1474	1.224	1588	1.615	1696	2.016	1799	2.432	1899	2.867	1999	3.323	2097	3.801	2195	4.298	2291	4.817		
	3900	3178	1570	1.464	1678	1.883	1780	2.310	1876	2.749	1971	3.206	2065	3.680	2157	4.173	2248	4.686				
	4180	3406	1666	1.735	1769	2.183	1865	2.637	1958	3.103	2047	3.581	2135	4.075	2222	4.587						
	4450	3626	1760	2.030	1858	2.506	1951	2.989	2038	3.478	2124	3.980	2207	4.494								
	4730	3854	1858	2.373	1952	2.878	2040	3.389	2124	3.904	2206	4.432										
	5010	4083	1957	2.753	2047	3.290	2131	3.828	2212	4.373												
	5290	4311	2056	3.176	2142	3.743	2223	4.310	2301	4.883												
	5570	4539	2156	3.644	2238	4.239	2316	4.838														
	5850	4767	2256	4.156	2335	4.782																
	6130	4995	2356	4.719																		
182-16	3490	2500	1401	1.037	1521	1.413	1633	1.799	1739	2.200	1844	2.623	1947	3.065	2049	3.531	2149	4.015	2249	4.523		
	3750	2686	1486	1.225	1601	1.628	1707	2.037	1808	2.461	1906	2.900	2003	3.360	2099	3.838	2194	4.338	2287	4.858		
	4020	2879	1576	1.445	1686	1.876	1787	2.312	1883	2.759	1976	3.219	2067	3.697	2157	4.191	2246	4.706				
	4280	3065	1664	1.683	1768	2.141	1865	2.603	1957	3.073	2045	3.555	2132	4.052	2217	4.563						
	4540	3252	1752	1.947	1852	2.434	1944	2.921	2033	3.416	2118	3.921	2200	4.438								
	4810	3445	1843	2.253	1940	2.767	2029	3.284	2113	3.805	2195	4.334	2274	4.872								
	5070	3631	1932	2.577	2025	3.120	2111	3.663	2192	4.210	2271	4.763										
	5330	3817	2022	2.935	2111	3.506	2194	4.078	2273	4.650												
	5600	4011	2115	3.341	2201	3.943	2281	4.541														
	5860	4197	2205	3.769	2288	4.398																
	6120	4383	2295	4.234	2376	4.891																
	6380	4569	2386	4.736																		
182-17	3930	2493	1521	1.279	1635	1.700	1738	2.126	1837	2.561	1932	3.011	2025	3.478	2117	3.964	2208	4.468				
	4170	2646	1599	1.472	1709	1.918	1808	2.367	1903	2.826	1994	3.296	2083	3.780	2170	4.280	2257	4.799				
	4410	2798	1678	1.685	1783	2.157	1880	2.630	1971	3.111	2058	3.600	2143	4.103	2227	4.623						
	4650	2950	1758	1.920	1859	2.417	1952	2.915	2040	3.418	2124	3.930	2206	4.453								
	4900	3109	1841	2.188	1939	2.713	2029	3.238	2113	3.765	2194	4.300	2273	4.843								
	5140	3261	1921	2.469	2016	3.022	2103	3.572	2185	4.124	2264	4.681										
	5380	3413	2001	2.777	2093	3.355	2178	3.930	2257	4.507												
	5620	3565	2082	3.111	2171	3.714	2253	4.316														
	5870	3724	2167	3.487	2253	4.117	2332	4.746														
	6110	3876	2248	3.876	2332	4.535																
	6350	4029	2330	4.298																		
	6600	4187	2415	4.768																		
182-18	4420	2501	1659	1.599	1766	2.072	1864	2.547	1956	3.026	2043	3.514	2129	4.016	2213	4.532						
	4630	2620	1727	1.790	1831	2.286	1926	2.782	2015	3.282	2100	3.788	2183	4.308	2264	4.839						
	4850	2745	1799	2.007	1900	2.526	1992	3.045	2078	3.567	2161	4.096	2241	4.632								
	5060	2863	1867	2.229	1965	2.773	2055	3.314	2139	3.857	2220	4.407										
	5280	2988	1939	2.483	2035	3.050	2122	3.615	2204	4.182	2283	4.752										
	5490	3107	2009	2.744	2102	3.333	2187	3.922	2267	4.509												
	5700	3226	2078	3.023	2169	3.636	2252	4.245	2330	4.857												
	5920	3350	2151	3.336	2239	3.974	2320	4.608														
	6130	3469	2221	3.656	2307	4.317																
	6350	3593	2294	4.013	2378	4.698																
	6560	3712	2365	4.379																		
	6780	3837	2438	4.784																		
182-20	5630	2581	2012	2.664	2108	3.271	2195	3.875	2275	4.477												
	5850	2681	2083	2.938	2176	3.568	2261	4.196	2340	4.822												
	6070	2782	2154	3.232	2245	3.886	2328	4.538														
	6290	2883	2225	3.547	2314	4.223	2395															
	6510	2984	2297	3.882	2383	4.584																
	6730	3085	2369	4.240																		
	6950	3186	2440	4.618																		

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

222 AIR PERFORMANCE (PART 3 OF 3)

Model	CFM	OV	0.5" SP		1" SP		1.5" SP		2" SP		2.5" SP		3" SP		3.5" SP		4" SP		4.5" SP		5" SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
222-24	4600	1464	986	0.955	1099	1.440	1200	1.948	1297	2.486	1392	3.057	1486	3.663	1579	4.301	1671	4.968	1761	5.661	1850	6.380
	5200	1655	1084	1.229	1189	1.773	1282	2.331	1371	2.912	1457	3.522	1541	4.159	1625	4.828	1707	5.525	1790	6.253	1871	7.005
	5700	1814	1167	1.501	1267	2.093	1355	2.697	1438	3.319	1518	3.963	1596	4.632	1673	5.329	1749	6.053	1825	6.806		
	6300	2005	1268	1.882	1362	2.535	1446	3.196	1523	3.869	1598	4.560	1670	5.272	1741	6.008	1811	6.766				
	6800	2165	1353	2.252	1442	2.954	1523	3.663	1597	4.383	1668	5.116	1736	5.867	1803	6.638	1869	7.430				
	7400	2355	1456	2.763	1540	3.524	1617	4.293	1688	5.070	1756	5.856	1820	6.657								
	8000	2546	1559	3.353	1640	4.174	1713	5.002	1782	5.838	1846	6.681										
	8500	2706	1646	3.911	1724	4.780	1794	5.660	1860	6.544												
	9100	2897	1752	4.665	1825	5.591																
222-25	9600	3056	1840	5.368																		
	4600	1349	981	0.936	1094	1.420	1196	1.927	1293	2.464	1388	3.034	1482	3.637	1576	4.274	1667	4.940	1758	5.635	1846	6.352
	5200	1525	1078	1.202	1184	1.745	1278	2.302	1366	2.882	1452	3.490	1536	4.125	1620	4.793	1703	5.490	1786	6.215	1867	6.966
	5800	1701	1177	1.522	1276	2.124	1365	2.735	1447	3.365	1526	4.015	1603	4.690	1679	5.391	1754	6.118	1829	6.873		
	6300	1848	1260	1.833	1355	2.485	1439	3.145	1518	3.818	1592	4.508	1665	5.218	1735	5.951	1805	6.708	1875	7.490		
	6900	2024	1361	2.268	1451	2.979	1531	3.698	1606	4.425	1676	5.165	1744	5.924	1810	6.701	1875	7.496				
	7500	2200	1463	2.773	1548	3.544	1625	4.322	1696	5.108	1764	5.903	1828	6.710								
	8000	2347	1549	3.255	1631	4.073	1705	4.901	1773	5.736	1838	6.578										
	8600	2523	1653	3.908	1730	4.784	1801	5.672	1867	6.567												
222-26	9100	2670	1740	4.520	1814	5.444																
	9700	2846	1845	5.344																		
	4700	1275	993	0.960	1105	1.454	1206	1.967	1301	2.509	1395	3.084	1487	3.692	1579	4.332	1669	5.004	1758	5.700	1846	6.424
	5200	1410	1073	1.179	1180	1.721	1274	2.278	1363	2.857	1449	3.463	1533	4.098	1617	4.765	1700	5.459	1782	6.183	1864	6.934
	5800	1573	1171	1.490	1271	2.091	1360	2.703	1443	3.331	1522	3.980	1599	4.653	1675	5.352	1750	6.080	1825	6.832		
	6400	1736	1270	1.859	1365	2.520	1450	3.190	1527	3.871	1601	4.567	1673	5.283	1743	6.023	1812	6.784				
	6900	1871	1354	2.215	1445	2.925	1526	3.644	1600	4.371	1671	5.111	1739	5.866	1805	6.642	1870	7.437				
	7500	2034	1455	2.707	1541	3.476	1619	4.254	1690	5.037	1758	5.831	1822	6.638								
	8100	2197	1558	3.274	1639	4.100	1714	4.939	1782	5.781	1847	6.632										
222-26	8600	2333	1643	3.809	1721	4.682	1793	5.571	1860	6.463												
	9200	2495	1747	4.530	1821	5.460																
	9800	2658	1851	5.346																		

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

245 AIR PERFORMANCE (PART 3 OF 3)

Model	CFM	OV	0.5" SP		1" SP		1.5" SP		2" SP		2.5" SP		3" SP		3.5" SP		4" SP		4.5" SP		5" SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
245-27	6400	1610	988	1.515	1083	2.183	1167	2.868	1247	3.581	1324	4.326	1400	5.107	1475	5.924	1549	6.776	1623	7.663	1696	8.583
	7100	1786	1074	1.899	1164	2.637	1243	3.386	1317	4.156	1388	4.951	1458	5.777	1526	6.634	1594	7.524	1662	8.446	1729	9.400
	7700	1937	1149	2.283	1234	3.080	1310	3.887	1381	4.709	1448	5.553	1513	6.420	1577	7.316	1641	8.241	1704	9.198		
	8300	2087	1224	2.721	1306	3.578	1379	4.444	1447	5.321	1511	6.215	1573	7.130	1633	8.070	1693	9.034				
	9000	2264	1313	3.308	1391	4.234	1461	5.169	1525	6.113	1586	7.069	1645	8.044	1702	9.037						
	9600	2414	1390	3.882	1464	4.866	1532	5.860	1594	6.863	1653	7.874	1710	8.900								
	10300	2590	1480	4.636	1551	5.688	1616	6.752	1676	7.824	1733	8.904										
	10900	2741	1558	5.363	1626	6.472	1688	7.597	1747	8.730												
	11500	2892	1637	6.168	1701	7.334																
	12200	3068	1728	7.211																		
245-28	6500	1520	995	1.536	1090	2.213	1174	2.907	1253	3.625	1329	4.375	1404	5.161	1478	5.982	1552	6.838	1625	7.728	1697	8.652
	7100	1660	1069	1.860	1159	2.596	1239	3.346	1313	4.114	1385	4.908	1454	5.731	1523	6.588	1591	7.476	1658	8.396	1725	9.350
	7700	1801	1143	2.233	1229	3.029	1306	3.836	1377	4.657	1444	5.498	1509	6.365	1573	7.260	1637	8.182	1699	9.135		
	8400	1964	1230	2.736	1312	3.602	1385	4.476	1453	5.362	1517	6.263	1578	7.186	1638	8.129	1697	9.099				
	9000	2105	1306	3.229	1384	4.153	1455	5.088	1520	6.031	1581	6.987	1640	7.959	1697	8.949						
	9700	2268	1395	3.884	1470	4.876	1537	5.880	1600	6.893	1659	7.914	1715	8.945								
	10300	2409	1472	4.519	1543	5.569	1609	6.633	1669	7.702	1726	8.782										
	11000	2572	1562	5.349	1630	6.464	1693	7.598														
	11600	2713	1640	6.144	1705	7.314																
	12300	2876	1731	7.174																		

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

270 AIR PERFORMANCE (PART 3 OF 3)

Model	CFM	OV	0.5" SP		1" SP		1.5" SP		2" SP		2.5" SP		3" SP		3.5" SP		4" SP		4.5" SP		5" SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
270-28	8300	1941	954	2.206	1035	3.071	1109	3.954	1177	4.864	1243	5.811	1308	6.795	1373	7.821	1436	8.887	1500	9.997	1562	11.142
	9100	2128	1029	2.718	1107	3.662	1176	4.620	1241	5.600	1302	6.607	1363	7.647	1422	8.722	1481	9.834	1539	10.985	1597	12.173
	9900	2315	1105	3.313	1179	4.337	1245	5.372	1306	6.424	1365	7.498	1421	8.597	1477	9.729	1532	10.894	1586	12.092	1639	13.322
	10700	2502	1182	3.998	1252	5.102	1315	6.217	1374	7.342	1430	8.487	1484	9.654	1536	10.845	1587	12.066	1638	13.314	1688	14.594
	11600	2713	1270	4.886	1336	6.080	1396	7.284	1452	8.497	1505	9.723	1556	10.968	1606	12.234	1654	13.521	1702	14.835		
	12400	2900	1348	5.788	1411	7.060	1469	8.344	1523	9.637	1574	10.939	1623	12.256	1670	13.591						
	13200	3087	1426	6.804	1487	8.154	1542	9.518	1595	10.890	1644	12.271	1691	13.664								
	14000	3274	1505	7.940	1563	9.368	1617	10.813	1667	12.265												
	14900	3485	1595	9.372	1649	10.887	1701	12.421														
270-29	15700	3672	1675	10.791																		
	8300	1809	948	2.153	1031	3.017	1104	3.899	1173	4.807	1239	5.751	1304	6.733	1369	7.756	1432	8.820	1496	9.927	1559	11.070
	9200	2006	1032	2.716	1110	3.669	1179	4.636	1244	5.622	1305	6.635	1365	7.679	1424	8.759	1482	9.875	1540	11.029	1598	12.218
	10000	2180	1108	3.302	1182	4.334	1248	5.378	1309	6.437	1368	7.518	1424	8.624	1479	9.760	1533	10.927	1587	12.128	1640	13.364
	10800	2355	1184	3.975	1255	5.088	1318	6.211	1377	7.345	1433	8.496	1486	9.670	1538	10.867	1589	12.090	1640	13.343	1689	14.626
	11700	2551	1271	4.847	1337	6.049	1398	7.261	1454	8.484	1508	9.719	1558	10.968	1608	12.241	1656	13.535	1703	14.851		
	12500	2725	1348	5.731	1412	7.011	1470	8.304	1525	9.605	1576	10.916	1625	12.240	1672	13.581						
	13300	2900	1426	6.727	1487	8.083	1543	9.456	1596	10.838	1645	12.226	1693	13.626								
	14200	3096	1515	7.988	1572	9.430	1626	10.891	1677	12.363												
270-30	15000	3270	1593	9.240	1648	10.758	1700	12.301														
	15800	3445	1673	10.628																		
	8400	1711	953	2.165	1035	3.038	1109	3.927	1177	4.843	1243	5.792	1308	6.780	1371	7.806	1434	8.873	1497	9.983	1559	11.130
	9200	1874	1027	2.656	1105	3.608	1175	4.573	1240	5.558	1302	6.569	1362	7.612	1421	8.690	1479	9.803	1536	10.953	1594	12.141
	10100	2058	1111	3.302	1186	4.344	1252	5.396	1313	6.464	1371	7.551	1428	8.663	1482	9.804	1536	10.975	1589	12.180	1642	13.418
	10900	2221	1187	3.967	1258	5.088	1321	6.220	1380	7.363	1436	8.522	1489	9.700	1541	10.903	1592	12.133	1642	13.389	1692	14.679
	11700	2384	1264	4.725	1331	5.923	1392	7.136	1449	8.356	1502	9.589	1553	10.839	1603	12.109	1651	13.400	1699	14.716		
	12600	2567	1350	5.698	1414	6.984	1473	8.285	1527	9.596	1578	10.915	1627	12.246	1675	13.594						
	13400	2730	1428	6.678	1489	8.039	1545	9.421	1598	10.812	1647	12.207	1695	13.615								
270-30	14200	2893	1506	7.771	1564	9.208	1618	10.670	1669	12.141												
	15100	3076	1594	9.149	1649	10.669	1701	12.218														
	15900	3239	1672	10.510																		

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

300 AIR PERFORMANCE (PART 3 OF 3)

Model	CFM	OV	0.5" SP		1" SP		1.5" SP		2" SP		2.5" SP		3" SP		3.5" SP		4" SP		4.5" SP		5" SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
300-29	9300	2027	805	2.328	881	3.305	950	4.315	1016	5.371	1080	6.479	1144	7.644	1207	8.864	1269	10.140	1331	11.464	1392	12.836
	10300	2246	874	2.920	946	3.995	1011	5.094	1072	6.230	1131	7.408	1189	8.635	1246	9.913	1303	11.241	1360	12.618	1416	14.044
	11200	2442	937	3.543	1005	4.708	1067	5.890	1125	7.102	1180	8.351	1234	9.641	1288	10.973	1341	12.355	1393	13.781		
	12100	2638	1001	4.259	1066	5.514	1125	6.783	1180	8.076	1232	9.398	1283	10.756	1333	12.151	1383	13.588				
	13100	2856	1073	5.172	1134	6.527	1190	7.895	1243	9.281	1293	10.689	1341	12.129	1388	13.600						
	14000	3052	1138	6.107	1197	7.554	1250	9.012	1301	10.482	1348	11.974	1395	13.489								
	15000	3270	1210	7.285	1266	8.831	1318	10.389	1366	11.957	1412	13.544										
	15900	3466	1276	8.475	1330	10.111	1379	11.759	1426	13.419												
	16800	3663	1342	9.797	1394	11.524																
300-30	17800	3881	1416	11.429																		
	9400	1915	806	2.318	883	3.303	952	4.319	1017	5.379	1081	6.491	1144	7.658	1206	8.880	1268	10.157	1330	11.484	1390	12.860
	10400	2119	875	2.897	947	3.981	1012	5.087	1073	6.227	1131	7.409	1189	8.640	1246	9.919	1303	11.249	1359	12.628	1415	14.054
	11300	2302	937	3.506	1006	4.679	1068	5.869	1125	7.087	1181	8.340	1235	9.633	1288	10.969	1340	12.351	1392	13.779		
	12300	2506	1008	4.287	1073	5.561	1131	6.848	1186	8.156	1238	9.492	1289	10.861	1339	12.266	1387	13.713				
	13200	2689	1071	5.092	1134	6.457	1190	7.832	1242	9.225	1292	10.639	1340	12.082	1387	13.556						
	14200	2893	1143	6.111	1202	7.574	1256	9.051	1306	10.539	1354	12.045	1400	13.573								
	15100	3076	1208	7.145	1264	8.699	1316	10.266	1365	11.842	1411	13.433										
	16000	3259	1273	8.301	1327	9.944	1377	11.600	1424	13.266												
300-31	17000	3463	1345	9.734	1397	11.474																
	17900	3647	1411	11.165																		
	9500	1812	808	2.315	885	3.309	954	4.331	1019	5.396	1082	6.512	1145	7.682	1207	8.907	1268	10.185	1329	11.515	1389	12.893
	10500	2003	876	2.885	949	3.977	1013	5.090	1074	6.236	1133	7.424	1190	8.657	1247	9.938	1303	11.269	1358	12.652	1414	14.080
	11400	2175	938	3.482	1007	4.664	1069	5.862	1127	7.085	1182	8.343	1236	9.640	1288	10.979	1340	12.363	1392	13.795		
	12400	2366	1008	4.246	1073	5.529	1132	6.825	1187	8.139	1239	9.480	1290	10.855	1339	12.264	1388	13.715				
	13300	2537	1071	5.035	1134	6.407	1190	7.792	1243	9.192	1293	10.613	1341	12.060	1388	13.539						
	14300	2728	1142	6.030	1202	7.502	1256	8.986	1306	10.483	1354	11.996	1400	13.531								
	15200	2900	1206	7.040	1263	8.601	1316	10.176	1364	11.761	1410	13.358										
300-32	16200	3091	1278	8.299	1332	9.959	1383	11.634	1430	13.318												
	17100	3262	1343	9.563	1395	11.309																
	18100	3453	1415	11.122																		
	9600	1719	811	2.318	888	3.321	956	4.351	1021	5.421	1084	6.540	1146	7.713	1207	8.941	1268	10.222	1328	11.555	1388	12.936
	10500	1880	871	2.820	945	3.912	1010	5.023	1071	6.167	1129	7.351	1187	8.581	1243	9.860	1299	11.189	1355	12.566	1411	13.994
	11500	2059	940	3.468	1009	4.659	1071	5.866	1129	7.097	1184	8.360	1237	9.661	1289	11.005	1341	12.391	1393	13.825		
	12500	2238	1009	4.221	1075	5.512	1134	6.817	1189	8.139	1241	9.485	1291	10.865	1340	12.280	1389	13.732				
	13400	2399	1072	4.995	1135	6.376	1192	7.769	1244	9.176	1294	10.604	1342	12.059	1389	13.542						
	14400	2578	1142	5.972	1202	7.451	1257	8.945	1307	10.448	1355	11.970	1401	13.511								
300-33	15300	2739	1206	6.962	1263	8.530	1316	10.113	1365	11.707	1411	13.312										
	16300	2919	1277	8.196	1332	9.860	1382	11.545	1430	13.237												
	17200	3080	1341	9.434	1394	11.185																
	18200	3259	1413	10.959																		
	9600	1616	807	2.276	885	3.277	954	4.306	1018	5.374	1081	6.492	1143	7.662	1205	8.888	1265	10.166	1326	11.497	1385	12.875
	10600	1785	874	2.824	947	3.924	1013	5.044	1073	6.194	1132	7.384	1189	8.618	1245	9.901	1300	11.232	1356	12.612	1411	14.042
	11600	1953	942	3.465	1012	4.665	1074	5.879	1131	7.118	1186	8.387	1239	9.693	1291	11.039	1343	12.430	1394	13.867		
	12500	2105	1004	4.128	1070	5.418	1130	6.721	1185	8.041	1237	9.388	1288	10.763	1337	12.176	1385	13.625				
	13500	2273	1073	4.971	1136	6.360	1193	7.762	1246	9.179	1296	10.612	1344	12.073	1391	13.563						
300-33	14500	2441	1143	5.934	1203	7.419	1258	8.923	1309	10.436	1357	11.964	1403	13.511								
	15400	2593	1206	6.909	1264	8.483	1317	10.075	1366	11.677	1412	13.291										
	16400	2761	1277	8.123	1332	9.792	1383	11.485	1430	13.187												
	17300	2913	1341	9.339	1394	11.093																
	18300	3081	1412	10.838																		

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

330 AIR PERFORMANCE (PART 3 OF 3)

Model	CFM	OV	0.5"SP		1"SP		1.5"SP		2"SP		2.5"SP		3"SP		3.5"SP		4"SP		4.5"SP		5"SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
330-32	11000	1970	755	3.103	822	4.279	883	5.501	942	6.789	1000	8.151	1058	9.590	1117	11.105	1176	12.694	1235	14.349	1294	16.065
	12200	2184	822	3.937	886	5.233	942	6.560	996	7.939	1049	9.380	1101	10.887	1153	12.464	1206	14.111	1259	15.826	1313	17.606
	13300	2381	884	4.835	945	6.244	998	7.674	1049	9.144	1098	10.665	1146	12.245	1194	13.886	1242	15.591	1290	17.361	1339	19.192
	14400	2578	947	5.873	1004	7.399	1056	8.935	1104	10.501	1150	12.111	1195	13.769	1239	15.482	1284	17.253	1328	19.081		
	15500	2775	1010	7.063	1065	8.706	1114	10.352	1160	12.021	1204	13.724	1247	15.469	1288	17.260	1330	19.103				
	16600	2972	1073	8.415	1126	10.178	1174	11.936	1218	13.711	1260	15.513	1300	17.349	1340	19.225						
	17700	3169	1137	9.942	1188	11.826	1234	13.699	1276	15.583	1316	17.486										
	18800	3366	1201	11.656	1250	13.658	1294	15.650	1335	17.645												
	19900	3563	1265	13.567	1312	15.690																
	21000	3760	1330	15.686																		
330-33	11100	1869	757	3.100	824	4.284	885	5.512	943	6.802	1000	8.166	1058	9.606	1116	11.122	1175	12.712	1233	14.370	1292	16.087
	12300	2071	823	3.922	887	5.227	944	6.560	997	7.943	1050	9.386	1101	10.895	1153	12.473	1206	14.120	1258	15.835	1311	17.615
	13400	2256	884	4.805	945	6.225	999	7.662	1050	9.136	1099	10.661	1147	12.242	1194	13.884	1242	15.589	1290	17.359	1338	19.191
	14500	2441	946	5.824	1005	7.361	1056	8.905	1104	10.478	1150	12.091	1195	13.753	1240	15.467	1284	17.238	1327	19.065		
	15600	2626	1009	6.991	1065	8.647	1114	10.302	1160	11.977	1204	13.685	1247	15.433	1288	17.227	1329	19.070				
	16700	2812	1071	8.316	1125	10.092	1173	11.861	1218	13.642	1260	15.449	1300	17.288	1339	19.168						
	17800	2997	1135	9.810	1186	11.708	1233	13.593	1275	15.482	1316	17.392										
	18900	3182	1198	11.485	1248	13.503	1293	15.506	1334	17.509												
	20100	3384	1267	13.531	1315	15.682																
	21200	3569	1331	15.620																		
330-34	11200	1776	758	3.104	826	4.297	887	5.530	945	6.825	1001	8.191	1059	9.633	1116	11.150	1174	12.740	1232	14.400	1290	16.121
	12400	1967	824	3.916	888	5.231	945	6.571	999	7.959	1051	9.406	1102	10.917	1154	12.496	1205	14.144	1257	15.859	1310	17.640
	13500	2141	885	4.788	947	6.218	1001	7.663	1051	9.142	1100	10.672	1147	12.255	1195	13.900	1242	15.606	1289	17.376	1337	19.207
	14600	2316	946	5.792	1005	7.341	1057	8.893	1106	10.472	1151	12.091	1196	13.754	1240	15.472	1284	17.244	1328	19.074		
	15700	2490	1008	6.941	1065	8.608	1115	10.273	1161	11.955	1205	13.667	1247	15.419	1289	17.216	1330	19.062				
	16800	2665	1071	8.243	1125	10.032	1173	11.811	1218	13.599	1260	15.412	1300	17.256	1340	19.140						
	18000	2855	1139	9.852	1191	11.774	1238	13.680	1281	15.589	1321	17.517										
	19100	3029	1202	11.512	1252	13.556	1297	15.581	1339	17.605												
	20200	3204	1265	13.359	1313	15.525																
	21300	3378	1328	15.405																		
330-35	11300	1691	761	3.114	829	4.316	889	5.556	946	6.855	1003	8.224	1059	9.668	1116	11.186	1174	12.780	1231	14.440	1289	16.164
	12400	1856	820	3.847	885	5.161	942	6.499	996	7.884	1048	9.328	1099	10.836	1151	12.411	1203	14.055	1255	15.768	1307	17.544
	13600	2036	886	4.782	948	6.223	1003	7.675	1053	9.162	1101	10.695	1149	12.283	1196	13.928	1243	15.637	1290	17.409	1337	19.241
	14700	2200	947	5.774	1007	7.335	1059	8.896	1107	10.482	1153	12.104	1197	13.773	1241	15.493	1285	17.266	1328	19.099		
	15800	2365	1009	6.907	1066	8.588	1116	10.262	1162	11.952	1206	13.671	1249	15.426	1290	17.228	1331	19.076				
	17000	2544	1076	8.315	1131	10.129	1180	11.930	1224	13.737	1266	15.564	1306	17.424	1345	19.319						
	18100	2709	1138	9.776	1191	11.712	1238	13.630	1281	15.548	1322	17.483										
	19200	2874	1201	11.409	1252	13.468	1297	15.506	1339	17.539												
	20300	3038	1263	13.226	1313	15.407																
	21500	3218	1332	15.430																		
330-36	11400	1613	763	3.129	831	4.341	891	5.587	949	6.891	1005	8.264	1061	9.710	1117	11.232	1174	12.826	1231	14.488	1288	16.214
	12500	1768	823	3.857	888	5.182	945	6.528	998	7.919	1050	9.366	1101	10.877	1152	12.454	1203	14.101	1255	15.815	1307	17.594
	13600	1924	883	4.702	945	6.144	1000	7.595	1050	9.078	1099	10.609	1146	12.193	1193	13.836	1240	15.541	1287	17.309	1334	19.139
	14800	2094	949	5.768	1009	7.340	1061	8.911	1109	10.503	1155	12.133	1199	13.805	1243	15.529	1286	17.307	1329	19.141		
	15900	2249	1010	6.888	1067	8.583	1118	10.267	1164	11.965	1208	13.689	1250	15.451	1291	17.255	1332	19.107				
	17100	2419	1077	8.281	1132	10.109	1181	11.919	1225	13.735	1268	15.571	1308	17.436								
	18200	2575	1138	9.724	1192	11.674	1239	13.603	1282	15.532	1323	17.472										
	19300	2730	1200	11.335	1252	13.409	1298	15.459	1340	17.502												
	20500	2900	1268	13.299	1318	15.507																
	21600	3056	1331	15.299																		
330-37	11400	1527	761	3.089	829	4.299	889	5.544	947	6.846	1003	8.217	1059	9.660	1115	11.179	1172	12.771	1229	14.431	1286	16.155
	12600	1687	825	3.874	890	5.209	947	6.563	1001	7.960	1052	9.412	1103	10.926	1153	12.507	1204	14.156	1255	15.872	1307	17.652
	13700	1835	885	4.713	948	6.167	1002	7.626	1053	9.117	1101	10.653	1148	12.242	1195	13.889	1241	15.596	1288	17.365	1335	19.197
	14900	1996	950	5.772	1011	7.357	1063	8.937	1111	10.537	1157	12.172	1201	13.850	1245	15.579	1287	17.359	1330	19.195		
	16000	2143	1011	6.884	1069	8.590	1120	10.285	1166	11.990	1210	13.722	1252	15.490	1293	17.300	1334	19.155				
	17100	2290	1072	8.141	1128	9.971	1177	11.782	1222	13.597	1264	15.430	1305	17.293	1344	19.190						
	18300	2451	1139	9.691	1193	11.655	1240	13.596	1284	15.535	1325	17.483										
	19400	2598	1201	11.286	1253	13.373	1299	15.437	1341	17.491												
	20600	2759	1268	13.228	1318	15.450																
	21700	2906	1330	15.203																		

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

402 AIR PERFORMANCE (PART 4 OF 4)

Model	CFM	OV	0.5" SP		1" SP		1.5" SP		2" SP		2.5" SP		3" SP		3.5" SP		4" SP		4.5" SP		5" SP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
402-42	14700	1528	562	3.494	622	5.077	676	6.750	729	8.541	782	10.459	836	12.504	890	14.667	944	16.934				
	16100	1673	604	4.250	661	5.968	711	7.753	760	9.637	809	11.633	857	13.746	906	15.974	955	18.313				
	17600	1829	649	5.188	703	7.057	751	8.972	796	10.967	841	13.059	885	15.253	929	17.555						
	19100	1985	694	6.271	746	8.295	792	10.348	835	12.465	876	14.662	917	16.950	958	19.334						
	20600	2141	740	7.509	790	9.693	834	11.891	875	14.137	914	16.449	952	18.840								
	22000	2287	783	8.817	831	11.152	874	13.489	913	15.862	950	18.290										
	23500	2443	829	10.391	876	12.891	917	15.381	955	17.895												
	25000	2598	876	12.157	921	14.822	961	17.469														
402-43	26400	2744	920	13.990	963	16.809																
	27900	2900	967	16.162																		
	14800	1468	564	3.502	623	5.094	677	6.772	730	8.566	783	10.485	836	12.531	890	14.697	943	16.966				
	16200	1606	605	4.253	662	5.980	712	7.772	761	9.659	809	11.658	857	13.772	906	16.002	955	18.340				
	17700	1755	650	5.184	704	7.063	752	8.985	797	10.984	841	13.078	885	15.275	929	17.577						
	19200	1904	695	6.257	747	8.292	793	10.353	835	12.474	877	14.675	917	16.965	958	19.351						
	20700	2053	740	7.483	790	9.679	834	11.884	875	14.136	914	16.453	952	18.847								
	22100	2191	783	8.777	831	11.124	874	13.470	913	15.849	951	18.282										
402-44	23600	2340	829	10.333	876	12.845	917	15.345	955	17.866												
	25100	2489	875	12.077	921	14.755	961	17.413														
	26600	2638	922	14.022	966	16.866																
	28000	2776	966	16.027																		
	14800	1402	562	3.465	622	5.055	676	6.731	729	8.522	782	10.439	835	12.482	888	14.644	942	16.911				
	16300	1544	606	4.262	663	5.998	714	7.795	762	9.687	810	11.688	858	13.804	906	16.035	954	18.376				
	17800	1686	651	5.187	705	7.075	753	9.004	798	11.009	842	13.106	886	15.305	930	17.609						
	19300	1828	695	6.251	748	8.297	794	10.366	836	12.493	878	14.697	918	16.991	958	19.378						
402-44	20800	1970	741	7.467	791	9.674	835	11.888	876	14.147	915	16.468	953	18.866								
	22200	2102	783	8.748	832	11.108	875	13.463	914	15.850	951	18.287										
	23700	2244	829	10.289	876	12.814	918	15.324	956	17.854												
	25200	2387	875	12.014	921	14.707	961	17.376														
	26700	2529	921	13.938	966	16.797																

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

090 SOUND PERFORMANCE

Model	OV	CFM	SP	RPM	SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
					63	125	250	500	1000	2000	4000	8000	
090-4	2500	218	0.50	1749	80	74	79	65	63	65	59	41	73
		218	1.00	2188	86	81	84	70	68	69	68	53	78
		218	2.00	2862	91	87	87	77	74	73	75	66	83
		218	3.00	3392	89	87	83	86	78	74	75	72	86
		218	4.00	3836	88	86	83	85	81	76	76	75	87
		262	0.50	1910	82	77	81	67	65	66	62	46	75
	3000	262	1.00	2318	88	83	85	72	70	70	70	56	80
		262	2.00	2970	90	87	87	78	75	73	75	67	83
		262	3.00	3491	89	87	83	86	78	75	75	73	86
		262	4.00	3944	88	86	83	85	82	76	76	75	87
		349	0.50	2273	87	82	85	71	69	69	69	55	79
		349	1.00	2619	91	87	88	75	72	72	75	62	83
	4000	349	2.00	3213	90	87	82	86	76	74	75	70	86
		349	3.00	3711	89	87	83	86	80	75	76	74	86
		349	4.00	4150	89	87	84	85	83	77	77	76	88
		341	0.50	1786	81	74	80	65	64	65	60	42	74
		341	1.00	2187	86	81	84	70	68	69	68	53	78
		341	2.00	2857	91	87	87	77	74	73	75	66	83
090-5	2500	341	3.00	3416	89	87	83	86	78	75	75	72	86
		341	4.00	3884	88	86	83	85	81	76	76	75	87
		409	0.50	1985	84	78	82	68	66	67	64	48	76
		409	1.00	2339	88	83	85	72	70	70	70	57	80
		409	2.00	2963	90	87	87	78	75	73	75	67	83
		409	3.00	3487	89	87	83	86	78	75	75	73	86
	3000	409	4.00	3948	88	86	83	85	82	76	76	75	87
		545	0.50	2428	89	85	86	73	71	71	72	58	81
		545	1.00	2708	91	87	88	76	73	72	75	64	83
		545	2.00	3228	90	87	82	86	76	74	75	70	86
		545	3.00	3707	89	87	83	86	80	75	76	74	86
		545	4.00	4133	88	87	84	85	83	77	77	76	88
	4000	491	0.50	1973	83	78	82	68	66	67	64	48	76
		491	1.00	2297	88	83	85	71	69	70	70	56	80
		491	2.00	2886	91	87	87	77	74	73	75	66	83
		491	3.00	3410	89	87	83	86	78	75	75	72	86
		491	4.00	3881	88	86	83	85	81	76	76	75	87
		589	0.50	2242	87	82	85	71	69	69	69	54	79
090-6	3000	589	1.00	2522	90	86	87	74	72	71	73	60	82
		589	2.00	3041	90	87	82	87	75	73	75	68	86
		589	3.00	3522	89	87	83	86	79	75	75	73	86
		589	4.00	3962	88	86	83	85	82	76	76	75	87
		785	0.50	2815	91	87	87	76	74	73	75	65	83
		785	1.00	3037	90	87	82	87	75	73	75	68	86
	4000	785	2.00	3454	89	87	83	86	78	75	75	72	86
		785	3.00	3845	88	86	83	85	81	76	76	75	87
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-

Model	OV	CFM	SP	RPM	SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
					63	125	250	500	1000	2000	4000	8000	
090-7	2500	668	0.50	2287	87	82	85	71	70	70	70	56	79
		668	1.00	2556	91	86	87	74	72	71	74	61	82
		668	2.00	3041	90	87	82	87	75	73	75	68	86
		668	3.00	3490	89	87	83	86	78	75	75	73	86
		668	4.00	3912	88	86	83	85	82	76	76	75	87
		802	0.50	2639	91	87	88	75	73	72	75	63	83
	3000	802	1.00	2873	91	87	87	77	74	73	75	66	83
		802	2.00	3299	90	87	83	86	77	74	75	71	86
		802	3.00	3696	89	87	83	86	80	75	76	74	86
		802	4.00	4074	88	86	83	85	83	77	77	76	87
		1069	0.50	3369	89	87	83	86	78	75	75	72	86
		1069	1.00	3558	89	87	83	86	79	75	76	73	86
	4000	1069	2.00	3907	88	86	83	85	82	76	76	75	87
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		873	1.00	2931	90	87	87	77	75	73	75	67	83
		873	2.00	3344	89	87	83	86	77	74	75	71	86
		873	3.00	3724	89	87	83	85	80	76	76	74	86
090-8	2500	873	4.00	4082	88	86	83	85	83	77	77	76	87
		1047	0.50	3139	90	87	82	87	77	74	75	70	86
		1047	1.00	3349	89	87	83	86	78	75	75	72	86
		1047	2.00	3718	89	87	83	85	80	75	76	74	86
		1047	3.00	4053	88	86	83	85	83	77	76	76	87
		-	-	-	-	-	-	-	-	-	-	-	-
	3000	1396	0.50	4049	87	86	83	85	84	77	77	77	88
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	4000	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
090-9	2500	1104	0.50	3181	89	87	83	86	77	74	75	71	86
		1104	1.00	3397	89	87	83	86	78	75	75	72	86
		1104	2.00	3768	89	86	83	85	80	76	76	74	86
		1104	3.00	4097	88	86	83	85	83	77	77	76	87
		1104	4.00	4403	-	-	-	-	-	-	-	-	-
		1325	0.50	3730	88	86	84	86	81	76	76	75	87
	3000	1325	1.00	3923	88	86	84	85	83	77	77	76	87
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	4000	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-

The sound power level ratings shown are in decibels referred to 10¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LWi and inlet LWiA sound power levels for installation Type A: Free inlet, Free outlet. Ratings do not include the effects of duct.

105 SOUND PERFORMANCE

Model	OV	CFM	SP	RPM	SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
					63	125	250	500	1000	2000	4000	8000	
105-5	2500	341	0.50	1664	78	73	77	64	61	59	56	51	71
		341	1.00	2070	83	79	82	69	66	64	62	58	76
		341	2.00	2736	89	86	87	76	73	70	69	66	82
		341	3.00	3278	88	86	83	86	77	73	73	71	85
	3000	341	4.00	3742	88	86	83	86	80	76	75	74	86
		409	0.50	1833	80	76	80	66	63	61	59	54	73
		409	1.00	2195	85	81	83	70	68	65	64	60	77
		409	2.00	2819	89	86	87	77	74	71	70	67	82
	4000	409	3.00	3344	88	86	83	86	77	74	73	71	85
		409	4.00	3797	88	86	83	86	81	76	76	75	87
	4000	545	0.50	2216	85	81	84	71	68	65	64	60	78
		545	1.00	2507	88	85	86	74	72	68	67	64	80
		545	2.00	3039	89	86	82	86	75	72	71	69	85
		545	3.00	3515	88	86	83	86	79	75	74	73	86
		545	4.00	3948	87	86	83	85	82	77	77	76	87
105-6	2500	491	0.50	1772	79	75	79	65	62	60	58	53	72
		491	1.00	2110	84	80	83	69	67	64	63	59	76
		491	2.00	2714	89	86	87	76	73	70	69	66	82
		491	3.00	3237	88	86	83	86	77	73	72	71	85
	3000	491	4.00	3698	88	86	83	86	80	76	75	74	86
		589	0.50	1995	82	78	81	68	65	63	61	57	75
		589	1.00	2289	86	82	84	71	69	66	65	61	78
		589	2.00	2826	89	86	87	77	74	71	70	67	82
	4000	589	3.00	3310	88	86	83	86	77	74	73	71	85
		589	4.00	3752	88	86	83	86	80	76	76	75	86
	4000	785	0.50	2477	88	85	86	73	71	68	67	63	80
		785	1.00	2710	89	86	87	76	73	70	69	66	82
		785	2.00	3147	88	86	83	86	76	73	72	70	85
		785	3.00	3552	88	86	83	86	79	75	74	73	86
		785	4.00	3935	87	86	83	86	82	77	77	76	87
105-7	2500	668	0.50	1994	82	78	81	68	65	63	61	57	75
		668	1.00	2275	86	82	84	71	69	66	65	61	78
		668	2.00	2783	89	86	87	76	74	70	69	67	82
		668	3.00	3249	88	86	83	86	77	73	72	71	85
	3000	668	4.00	3680	88	86	83	86	80	75	75	74	86
		802	0.50	2281	86	82	84	71	69	66	65	61	78
		802	1.00	2528	88	85	87	74	72	68	67	64	81
		802	2.00	2975	89	86	87	78	75	72	71	68	82
	4000	802	3.00	3388	88	86	83	86	78	74	73	72	86
		802	4.00	3776	88	86	83	86	80	76	76	75	86
	4000	1069	0.50	2884	89	86	87	77	74	71	70	68	82
		1069	1.00	3084	88	86	83	86	76	72	71	69	85
		1069	2.00	3450	88	86	83	86	78	74	74	72	86
		1069	3.00	3787	88	86	83	86	81	76	76	75	87
		1069	4	4109	88	86	83	86	83	77	78	77	88

Model	OV	CFM	SP	RPM	SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
					63	125	250	500	1000	2000	4000	8000	
090-4	2500	873	0.50	2299	86	82	84	72	70	66	65	61	78
		873	1.00	2545	88	86	87	74	72	68	68	64	81
		873	2.00	2980	89	86	82	87	75	72	71	68	85
		873	3.00	3376	88	86	83	86	78	74	73	72	86
	3000	873	4.00	3749	88	86	83	86	80	76	75	75	86
		1047	0.50	2659	89	86	87	75	73	70	69	66	81
		1047	1.00	2878	89	86	87	77	74	71	70	68	82
		1047	2.00	3265	88	86	83	86	77	73	72	71	85
	4000	1047	3.00	3616	88	86	83	86	79	75	75	74	86
		1047	4.00	3949	87	86	83	85	82	77	77	76	87
	4000	1396	0.50	3401	88	86	83	86	78	74	74	72	86
		1396	1.00	3582	87	86	83	86	79	75	75	74	86
		1396	2.00	3905	87	86	83	86	82	77	77	76	87
		1396	3.00	4198	88	87	84	86	84	78	78	78	88
090-5	2500	-	-	-	-	-	-	-	-	-	-	-	-
		1104	0.50	2667	89	86	87	76	74	70	70	66	82
		1104	1.00	2893	89	86	87	77	75	71	70	68	82
		1104	2.00	3280	88	86	83	86	77	73	73	71	85
	3000	1104	3.00	3626	88	86	83	86	79	75	75	74	86
		1104	4.00	3950	87	86	83	85	82	77	77	76	87
		1325	0.50	3107	88	86	82	86	77	73	72	70	85
		1325	1.00	3311	88	86	83	86	78	74	73	72	86
	4000	1325	2.00	3661	88	86	83	86	80	75	75	74	86
		1325	3.00	3972	87	86	83	85	82	77	77	76	87
		-	-	-	-	-	-	-	-	-	-	-	-
		1767	0.50	4009	86	86	82	86	83	77	78	77	88
	4000	1767	1.00	4179	87	87	83	87	84	78	79	78	89
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
090-6	2500	1364	0.50	3092	88	86	82	86	77	73	72	70	85
		1364	1.00	3305	88	86	83	86	78	74	73	72	86
		1364	2.00	3664	88	86	83	86	80	75	75	74	86
		1364	3.00	3977	87	86	83	85	82	77	77	76	87
	3000	1364	4.00	4263	-	-	-	-	-	-	-	-	-
		1636	0.50	3625	87	86	83	86	80	76	76	75	87
		1636	1.00	3815	87	86	83	86	82	77	77	76	87
		1636	2.00	4142	88	86	83	86	83	78	78	77	88
	4000	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	4000	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-

The sound power level ratings shown are in decibels referred to 10¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for installation Type A: Free inlet, Free outlet. Ratings do not include the effects of duct.

122 SOUND PERFORMANCE

Model	OV	CFM	SP	RPM	SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
					63	125	250	500	1000	2000	4000	8000	
122-6	2500	491 0.50	1446	72	68	76	64	64	64	62	59	72	
		491 1.00	1805	79	74	81	70	68	69	67	65	77	
		491 2.00	2353	83	79	82	76	73	74	73	70	81	
		491 3.00	2781	83	82	79	81	76	75	76	73	83	
	3000	491 4.00	3150	85	85	81	83	79	77	78	76	86	
		589 0.50	1585	75	71	78	67	66	66	64	61	74	
		589 1.00	1914	81	75	82	71	70	71	69	66	78	
		589 2.00	2446	83	80	82	77	74	74	73	71	81	
	4000	589 3.00	2874	84	83	78	82	76	75	76	73	84	
		589 4.00	3230	86	85	81	84	80	78	79	76	86	
		785 0.50	1902	80	75	82	71	69	71	68	66	78	
		785 1.00	2172	83	78	83	74	72	73	71	69	80	
		785 2.00	2653	83	81	80	79	75	74	75	72	82	
		785 3.00	3059	85	84	80	83	78	77	78	75	85	
		785 4.00	3414	87	86	83	85	81	79	80	78	88	
122-7	2500	668 0.50	1490	73	69	76	65	65	65	62	59	72	
		668 1.00	1812	79	74	81	70	69	69	67	65	77	
		668 2.00	2369	83	79	82	76	73	74	73	70	81	
		668 3.00	2811	83	82	79	81	76	75	76	73	83	
	3000	668 4.00	3192	86	85	81	84	79	78	78	76	86	
		802 0.50	1665	76	72	79	68	67	67	65	62	75	
		802 1.00	1943	81	76	82	71	70	71	69	67	78	
		802 2.00	2451	83	80	82	77	74	74	73	71	81	
	4000	802 3.00	2889	84	83	78	82	77	75	76	74	84	
		802 4.00	3270	86	85	82	84	80	78	79	77	87	
		1069 0.50	2054	83	77	83	73	71	72	70	68	80	
		1069 1.00	2268	83	79	83	75	73	73	72	69	81	
		1069 2.00	2679	83	81	80	79	75	75	75	72	83	
		1069 3.00	3066	85	84	80	83	78	77	78	75	85	
		1069 4.00	3423	87	86	83	85	82	79	80	78	88	
122-8	2500	873 0.50	1619	76	71	78	67	66	67	64	62	74	
		873 1.00	1881	80	75	81	71	69	70	68	66	78	
		873 2.00	2375	83	79	82	76	73	74	73	70	81	
		873 3.00	2818	83	82	79	81	76	75	76	73	83	
	3000	873 4.00	3207	86	85	81	84	80	78	78	76	86	
		1047 0.50	1843	79	74	81	70	69	70	68	65	77	
		1047 1.00	2067	83	77	83	73	71	73	71	68	80	
		1047 2.00	2494	83	80	81	77	74	74	74	71	82	
	4000	1047 3.00	2900	84	83	78	82	77	75	76	74	84	
		1047 4.00	3272	86	85	82	84	80	78	79	77	87	
		1396 0.50	2319	83	79	82	76	73	73	73	70	81	
		1396 1.00	2495	83	80	81	77	74	74	74	71	82	
		1396 2.00	2828	83	82	79	81	76	75	76	73	84	
		1396 3.00	3151	85	85	81	83	79	77	78	76	86	
		1396 4.00	3465	87	87	83	85	82	79	80	78	88	
122-9	2500	1104 0.50	1812	79	74	81	70	69	70	68	65	77	
		1104 1.00	2034	82	77	83	73	71	72	70	68	80	
		1104 2.00	2446	83	80	82	77	74	74	73	71	81	
		1104 3.00	2842	84	82	79	81	76	75	76	73	84	
	3000	1104 4.00	3214	86	85	81	84	80	78	79	76	86	
		1325 0.50	2087	83	77	84	74	71	73	72	69	80	
		1325 1.00	2281	83	79	83	75	73	73	72	70	81	
		1325 2.00	2637	83	81	80	79	75	74	75	72	82	
	4000	1325 3.00	2975	84	83	79	82	77	76	77	74	85	
		1325 4.00	3305	86	86	82	84	80	78	79	77	87	
		1767 0.50	2659	84	82	81	80	76	75	75	73	83	
		1767 1.00	2817	84	82	79	81	76	75	76	74	84	
		1767 2.00	3103	85	84	80	83	79	77	78	75	86	
		1767 3.00	3370	87	86	82	84	81	79	79	78	87	
		1767 4.00	3630	88	88	85	86	83	81	81	79	89	

Model	OV	CFM	SP	RPM	SOUND POWER BY OCTAVE BANDS dB Lwi								LwiA
					63	125	250	500	1000	2000	4000	8000	
122-10	2500	1364 0.50	0.50	2051	83	77	84	73	71	73	71	68	80
		1364 1.00	1.00	2251	83	79	83	75	72	73	72	69	81
		1364 2.00	2.00	2603	83	81	81	79	75	74	74	72	82
		1364 3.00	3.00	2939	84	83	79	82	77	76	77	74	84
		1364 4.00	4.00	3263	86	85	82	84	80	78	79	77	87
	3000	1636 0.50	0.50	2379	83	80	83	77	74	74	74	71	82
		1636 1.00	1.00	2559	83	81	81	78	75	74	74	72	82
		1636 2.00	2.00	2870	84	83	78	82	76	75	76	73	84
		1636 3.00	3.00	3158	85	85	81	83	79	77	78	76	86
		1636 4.00	4.00	3436	87	87	83	85	82	79	80	78	88
	4000	2182 0.50	0.50	3052	86	84	81	84	79	77	78	76	86
		2182 1.00	1.00	3204	86	85	82	84	80	78	79	77	87
		2182 2.00	2.00	3466	88	87	83	85	82	80	80	79	88
		2182 3.00	3.00	3703	89	88	85	86	84	81	81	80	90
		2182 4.00	4.00	3925	90	90	87	87	86	82	83	81	91
122-11	2500	1650 0.50	0.50	2322	83	80	83	76	73	74	74	71	82
		1650 1.00	1.00	2512	83	81	81	78	74	74	74	71	82
		1650 2.00	2.00	2831	84	82	79	81	76	75	76	73	84
		1650 3.00	3.00	3119	85	84	80	83	79	77	78	76	86
		1650 4.00	4.00	3399	87	86	83	85	81	79	80	78	88
	3000	1980 0.50	0.50	2706	84	82	81	80	76	75	76	74	84
		1980 1.00	1.00	2881	84	83	79	82	77	75	77	74	84
		1980 2.00	2.00	3170	86	85	81	84	79	77	78	76	86
		1980 3.00	3.00	3426	87	87	83	85	82	79	80	78	88
		1980 4.00	4.00	3669	89	88	85	86	84	81	81	80	89
	4000	2640 0.50	0.50	3493	89	88	84	86	83	80	81	80	89
		2640 1.00	1.00	3640	89	88	85	86	84	81	82	81	90
		2640 2.00	2.00	3892	90	90	87	87	86	82	83	82	91
		2640 3.00	3.00	4115	91	91	88	88	87	84	84	83	92
		-	-	-	-	-	-	-	-	-	-	-	-
122-12	2500	1963 0.50	0.50	2623	84	82	81	79	76	75	76	73	83
		1963 1.00	1.00	2808	84	82	80	81	77	75	77	74	84
		1963 2.00	2.00	3110	85	84	80	83	79	77	78	76	86
		1963 3.00	3.00	3371	87	86	83	85	81	79	80	78	88
		1963 4.00	4.00	3614	88	88	85	86	83	81	81	79	89
	3000	2356 0.50	0.50	3073	86	85	81	84	79	77	79	77	86
		2356 1.00	1.00	3239	87	86	82	84	81	78	80	78	87
		2356 2.00	2.00	3519	88	87	84	86	83	80	81	79	89
		2356 3.00	3.00	3758	89	89	86	86	84	81	82	81	90
		2356 4.00	4.00	3976	91	90	87	87	86	83	83	82	91
	4000	3142 0.50	0.50	3987	92	91	88	88	87	84	84	84	92
		3142 1.00	1.00	4126	92	92	89	89	88	84	84	84	93
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-

200 SOUND PERFORMANCE (PART 2 OF 2)

Model	OV	CFM	SP	RPM	Sound Power by Octave Bands dB Lwi								LwiA	
					63	125	250	500	1000	2000	4000	8000		
200-23	1500	4328	0.50	1232	78	79	89	75	73	74	72	65	83	
		4328	1.00	1346	79	81	90	77	75	76	73	65	84	
		4328	2.00	1545	81	82	90	80	77	77	75	68	86	
		4328	3.00	1729	83	84	90	82	80	79	77	71	87	
	1750	4328	4.00	1910	85	86	91	85	82	81	80	74	89	
		5049	0.50	1398	80	81	91	78	76	77	76	70	86	
		5049	1.00	1503	81	82	91	80	77	78	76	70	86	
		5049	2.00	1682	83	84	90	82	79	79	77	71	87	
	2000	5049	3.00	1846	85	86	91	84	81	81	80	74	89	
		5049	4.00	2004	87	87	92	87	83	83	82	76	91	
		5770	0.50	1568	82	83	91	81	79	79	78	74	87	
		5770	1.00	1664	83	84	91	83	80	80	79	74	88	
		5770	2.00	1830	85	86	91	84	81	81	80	74	89	
		5770	3.00	1980	87	87	92	87	83	83	82	76	91	
		5770	4.00	2121	88	89	92	88	85	84	85	79	92	
		200-24	1500	4712	0.50	1297	79	80	90	77	75	76	74	68
4712	1.00			1409	80	81	90	78	76	77	74	68	85	
4712	2.00			1599	82	83	90	81	78	78	76	69	86	
4712	3.00			1772	84	85	91	83	80	80	79	72	88	
4712	4.00			1940	86	86	91	86	83	82	81	75	90	
5498	0.50			1474	81	82	91	80	77	78	77	73	87	
1750	5498		1.00	1577	82	83	91	81	79	79	78	72	87	
	5498		2.00	1752	84	85	91	83	80	80	79	73	88	
	5498		3.00	1908	86	86	91	86	82	82	81	75	90	
	5498		4.00	2055	87	88	92	87	84	83	83	78	91	
	2000		6283	0.50	1656	83	84	92	83	80	80	80	76	89
			6283	1.00	1749	84	85	92	84	81	81	81	76	89
6283		2.00	1913	86	87	92	86	83	82	82	76	90		
6283		3.00	2056	88	88	92	88	84	84	84	78	92		
		6283	4.00	2192	89	89	93	90	86	85	86	81	93	

The sound power level ratings shown are in decibels referred to 10¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LW_i and inlet LW_iA sound power levels for installation Type A: Free inlet, Free outlet. Ratings do not include the effects of duct.

222 SOUND PERFORMANCE (PART 2 OF 2)

Model	OV	CFM	SP	RPM	Sound Power by Octave Bands dB Lwi								LwiA
					63	125	250	500	1000	2000	4000	8000	
222-22	1500	3960	0.50	895	74	84	73	70	70	69	63	54	75
		3960	1.00	1016	76	86	75	73	72	71	66	57	78
		3960	2.00	1239	79	81	88	77	75	75	71	63	83
		3960	3.00	1454	82	84	89	80	79	78	75	68	86
		3960	4.00	1658	85	86	90	84	82	81	80	72	89
		5280	0.50	1113	78	89	79	75	74	75	72	65	82
		5280	1.00	1215	80	82	89	77	76	77	72	65	84
		5280	2.00	1394	82	83	89	80	78	78	75	67	86
	2000	5280	3.00	1560	84	85	90	82	80	80	78	70	87
		5280	4.00	1725	86	87	90	85	83	82	81	74	90
		6600	0.50	1340	82	84	91	80	78	79	77	71	87
		6600	1.00	1429	83	84	90	81	79	80	78	71	87
		6600	2.00	1583	85	86	90	83	81	81	80	72	88
		6600	3.00	1724	87	87	91	86	83	83	82	75	90
		6600	4.00	1859	88	89	92	87	85	84	85	77	92
		4328	0.50	948	75	85	74	71	71	71	66	58	77
	1500	4328	1.00	1063	77	87	77	74	73	73	68	59	79
		4328	2.00	1270	80	82	89	77	76	76	72	64	84
		4328	3.00	1470	83	84	89	81	79	79	76	68	86
		4328	4.00	1664	85	86	90	84	82	81	80	72	89
		5770	0.50	1187	80	82	90	77	76	77	74	68	85
		5770	1.00	1284	81	83	90	78	77	78	74	67	85
		5770	2.00	1454	83	84	90	81	79	79	77	69	87
		5770	3.00	1609	85	86	90	83	81	81	79	72	88
	2000	5770	4.00	1761	87	87	91	85	83	83	82	75	90
		7213	0.50	1434	83	85	91	82	80	81	79	74	88
		7213	1.00	1519	84	86	91	83	81	81	80	74	89
		7213	2.00	1668	86	87	91	85	82	82	82	74	90
		7213	3.00	1801	88	89	92	87	84	84	84	77	92
		7213	4.00	1927	-	-	-	-	-	-	-	-	-
222-24	1500	4712	0.50	1004	76	87	76	73	72	73	68	61	79
		4712	1.00	1115	78	88	78	75	74	74	70	61	81
		4712	2.00	1309	81	82	89	78	77	77	73	65	85
		4712	3.00	1495	83	84	89	81	79	79	76	68	86
		4712	4.00	1677	85	86	90	84	82	82	80	73	89
		6283	0.50	1264	81	83	91	79	77	78	76	70	86
		6283	1.00	1358	82	84	90	80	78	79	76	70	86
		6283	2.00	1520	84	85	90	82	80	80	78	70	88
	2000	6283	3.00	1667	86	87	91	85	82	82	81	73	89
		6283	4.00	1808	88	88	91	86	84	84	84	76	91
		7854	0.50	1533	85	86	92	84	81	82	81	76	89
		7854	1.00	1615	86	87	92	85	82	83	82	77	90
		7854	2.00	1757	88	88	92	87	84	84	84	77	91
		7854	3.00	1885	-	-	-	-	-	-	-	-	-
		7854	4.00	2004	-	-	-	-	-	-	-	-	-
		5113	0.50	1063	78	88	78	74	74	74	71	64	81
	1500	5113	1.00	1170	79	89	80	76	75	76	71	63	82
		5113	2.00	1354	81	83	89	79	77	78	74	66	85
		5113	3.00	1528	83	85	89	82	80	80	77	69	87
		5113	4.00	1697	86	86	90	84	82	82	81	73	89
		6818	0.50	1346	82	84	91	80	79	80	78	73	87
		6818	1.00	1437	83	85	91	82	80	80	78	72	88
		6818	2.00	1593	85	86	91	84	81	81	80	72	89
		6818	3.00	1732	87	88	91	86	83	83	83	75	90
	2000	6818	4.00	1864	89	89	92	88	85	85	85	78	92
		8522	0.50	1638	87	87	92	86	83	83	84	79	91
		8522	1.00	1717	88	88	92	87	84	84	85	79	92
		8522	2.00	1855	89	89	93	89	85	85	87	80	93
		8522	3.00	1976	-	-	-	-	-	-	-	-	-
		8522	4.00	2091	-	-	-	-	-	-	-	-	-
222-26	1500	5531	0.50	1126	79	90	80	76	75	76	73	67	82
		5531	1.00	1229	80	82	90	77	76	77	73	66	85
		5531	2.00	1406	82	84	89	80	78	79	76	68	86
		5531	3.00	1567	84	85	90	83	81	80	78	71	88
		5531	4.00	1726	86	87	90	85	83	82	81	74	90
		7374	0.50	1434	83	85	91	82	80	81	80	75	88
		7374	1.00	1520	85	86	91	83	81	81	80	75	89
		7374	2.00	1671	86	87	91	85	82	83	82	74	90
	2000	7374	3.00	1804	88	88	92	87	84	84	85	77	92
		7374	4.00	1928	-	-	-	-	-	-	-	-	-
		9218	0.50	1749	89	88	93	88	84	85	86	82	93
		9218	1.00	1823	90	89	93	89	85	86	87	82	94
		9218	2.00	1956	-	-	-	-	-	-	-	-	-
		9218	3.00	2075	-	-	-	-	-	-	-	-	-
		9218	4.00	2183	-	-	-	-	-	-	-	-	-

The sound power level ratings shown are in decibels referred to 10¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for installation Type A: Free inlet, Free outlet. Ratings do not include the effects of duct.

245 SOUND PERFORMANCE (PART 2 OF 2)

Model	OV	CFM	SP	RPM	Sound Power by Octave Bands dB Lwi								LwiA
					63	125	250	500	1000	2000	4000	8000	
245-25	2500	5113	0.50	842	76	86	74	71	71	71	65	56	77
		5113	1.00	948	78	88	77	74	73	73	67	58	79
		5113	2.00	1141	81	91	80	78	76	77	71	63	83
		5113	3.00	1326	83	85	91	81	80	79	76	68	87
	3000	5113	4.00	1504	86	87	92	84	83	82	80	72	90
		6818	0.50	1052	80	92	81	77	76	78	73	67	84
		6818	1.00	1141	81	91	82	78	77	78	73	66	84
		6818	2.00	1297	83	85	91	81	79	80	76	68	87
	4000	6818	3.00	1442	86	87	91	84	82	82	79	71	89
		6818	4.00	1583	88	88	92	86	84	84	82	74	91
		8522	0.50	1269	83	85	92	81	80	81	79	73	88
		8522	1.00	1348	85	86	92	83	81	82	79	73	89
		8522	2.00	1484	87	88	92	85	82	83	81	72	90
		8522	3.00	1607	88	89	93	87	84	84	84	75	92
		8522	4.00	1724	90	91	93	89	86	86	86	78	93
		5531	0.50	887	77	88	76	73	73	73	67	59	79
245-26	2500	5531	1.00	989	79	89	78	75	74	75	68	60	81
		5531	2.00	1170	81	91	81	78	77	77	72	64	84
		5531	3.00	1343	84	85	91	81	80	80	76	68	87
		5531	4.00	1512	86	87	92	85	83	82	81	72	90
	3000	7374	0.50	1114	81	92	82	78	77	79	75	69	85
		7374	1.00	1201	82	84	91	80	78	79	75	68	87
		7374	2.00	1350	84	86	91	82	80	81	78	69	88
		7374	3.00	1487	86	87	92	84	82	82	81	72	90
	4000	7374	4.00	1618	88	89	92	87	84	84	83	75	92
		9218	0.50	1350	85	86	93	83	81	82	81	75	89
		9218	1.00	1424	86	87	93	84	82	83	81	75	90
		9218	2.00	1556	88	89	93	86	84	84	83	75	91
		9218	3.00	1673	89	90	93	88	85	85	85	77	93
		9218	4.00	1785	-	-	-	-	-	-	-	-	-
		5964	0.50	935	78	89	77	74	74	74	69	62	80
		5964	1.00	1033	79	90	79	76	75	76	70	62	82
245-27	2500	5964	2.00	1205	82	84	91	79	78	78	74	65	86
		5964	3.00	1367	84	85	91	82	80	80	77	69	88
		5964	4.00	1525	87	88	92	85	83	83	81	73	90
	3000	7952	0.50	1180	82	92	83	80	79	80	77	71	86
		7952	1.00	1263	83	85	92	81	79	80	77	70	88
		7952	2.00	1408	85	87	92	83	81	82	79	71	89
		7952	3.00	1537	87	88	92	85	83	83	82	74	90
	4000	7952	4.00	1661	89	90	93	88	85	85	85	77	92
		9940	0.50	1433	86	87	93	85	83	83	83	77	91
		9940	1.00	1506	87	88	93	86	83	84	84	78	91
		9940	2.00	1633	89	90	93	88	85	85	85	78	93
		9940	3.00	1747	91	91	94	90	87	87	87	79	94
		9940	4.00	1851	-	-	-	-	-	-	-	-	-
	2500	6414	0.50	984	79	90	79	75	75	76	71	65	82
		6414	1.00	1080	80	91	80	77	76	77	72	64	83
		6414	2.00	1244	83	84	91	80	78	79	75	66	86
		6414	3.00	1396	85	86	91	83	81	81	78	69	88
245-28	3000	6414	4.00	1545	87	88	92	85	83	83	81	73	90
		8552	0.50	1249	83	85	92	81	80	81	79	73	88
		8552	1.00	1330	84	86	92	82	81	81	79	73	89
		8552	2.00	1469	86	88	92	84	82	83	81	72	90
	4000	8552	3.00	1593	88	89	93	87	84	84	83	75	91
		8552	4.00	1711	90	90	93	89	86	86	86	78	93
		10690	0.50	1522	88	88	94	87	84	85	85	80	92
		10690	1.00	1591	89	89	94	88	85	86	86	80	93
		10690	2.00	1714	91	91	94	90	86	87	87	81	94
		10690	3.00	1823	-	-	-	-	-	-	-	-	-
		10690	4.00	1924	-	-	-	-	-	-	-	-	-

The sound power level ratings shown are in decibels referred to 10¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LWi and inlet LWiA sound power levels for installation Type A: Free inlet, Free outlet. Ratings do not include the effects of duct.

270 SOUND PERFORMANCE (PART 2 OF 2)

Model	OV	CFM	SP	RPM	Sound Power by Octave Bands dB Lwi								LwiA
					63	125	250	500	1000	2000	4000	8000	
270-26	2500	7374	0.50	879	79	92	78	75	75	76	70	63	82
		7374	1.00	965	81	93	80	77	77	78	70	62	84
		7374	2.00	1117	83	93	83	80	79	79	74	66	85
		7374	3.00	1263	85	87	93	83	81	81	77	69	89
		7374	4.00	1404	87	88	93	85	84	83	81	72	91
		9218	0.50	1056	82	94	83	79	79	80	76	70	86
		9218	1.00	1131	84	94	84	81	80	81	76	69	87
		9218	2.00	1262	86	87	93	83	82	82	78	69	89
	3000	9218	3.00	1382	87	89	94	85	83	83	81	72	91
		9218	4.00	1499	89	90	94	87	85	85	83	75	92
		11061	0.50	1237	86	88	95	83	82	83	81	74	90
		11061	1.00	1303	87	88	94	85	83	84	81	74	91
		11061	2.00	1420	89	90	94	86	84	85	83	74	92
		11061	3.00	1526	90	91	95	88	86	86	85	76	93
		11061	4.00	1627	91	92	95	90	88	87	87	79	95
2000	7952	0.50	927	80	93	80	76	77	78	72	66	84	
	7952	1.00	1010	82	93	81	78	77	79	72	65	84	
	7952	2.00	1155	84	93	84	81	80	80	75	67	86	
	7952	3.00	1291	86	87	93	83	82	82	78	70	89	
	7952	4.00	1424	88	89	93	86	84	84	81	73	91	
	9940	0.50	1117	83	94	85	81	80	81	78	72	87	
	9940	1.00	1190	85	87	94	82	81	82	78	71	89	
	9940	2.00	1315	87	88	94	84	82	83	80	71	90	
270-27	2500	9940	3.00	1430	88	89	94	86	84	84	82	74	92
		9940	4.00	1539	90	91	94	88	86	86	84	76	93
		11928	0.50	1311	87	89	95	85	83	84	83	77	92
		11928	1.00	1376	88	89	95	86	84	85	83	77	92
	3000	11928	2.00	1489	90	91	95	88	86	86	85	77	93
		11928	3.00	1590	91	92	95	90	87	87	87	78	94
		11928	4.00	1686	92	93	96	91	89	89	89	81	96
		6414	0.50	780	77	89	75	72	73	72	66	57	79
	1500	6414	1.00	875	79	91	77	75	74	74	67	58	81
		6414	2.00	1045	82	93	81	78	77	78	72	64	84
		6414	3.00	1210	84	86	92	81	80	80	76	67	88
		6414	4.00	1369	87	88	93	85	83	83	80	71	90
8552		0.50	977	81	94	82	78	78	79	74	68	85	
8552		1.00	1057	83	94	83	79	78	80	74	67	85	
8552		2.00	1196	85	86	93	82	80	81	76	68	88	
8552		3.00	1324	86	88	93	84	82	82	79	71	90	
270-28	2000	8552	4.00	1449	88	89	93	86	84	84	82	73	91
		10690	0.50	1181	85	95	86	82	81	82	80	74	89
		10690	1.00	1251	86	88	94	84	82	83	80	73	90
		10690	2.00	1373	88	89	94	85	84	84	81	73	91
	2500	10690	3.00	1483	89	90	94	87	85	85	84	75	92
		10690	4.00	1586	91	92	95	89	87	87	86	78	94
		6880	0.50	818	78	90	76	74	74	74	68	60	80
		6880	1.00	910	80	92	79	76	75	76	69	60	82
	1500	6880	2.00	1071	82	93	82	79	78	79	73	64	85
		6880	3.00	1225	84	86	92	82	81	80	76	68	88
		6880	4.00	1376	87	88	93	85	83	83	80	71	90
		9174	0.50	1029	82	94	83	79	79	80	76	70	86
270-29	2000	9174	1.00	1107	83	94	84	80	79	81	76	69	86
		9174	2.00	1241	85	87	93	83	81	82	78	69	89
		9174	3.00	1363	87	88	94	85	83	83	80	72	90
		9174	4.00	1480	89	90	94	87	85	85	83	74	92
	2500	11467	0.50	1248	86	88	95	84	82	84	81	76	91
		11467	1.00	1315	87	89	95	85	83	84	82	76	91
		11467	2.00	1433	89	90	95	87	85	85	83	75	92
		11467	3.00	1539	90	91	95	89	86	86	85	77	94
270-30	2000	11467	4.00	1638	92	92	95	90	88	88	87	79	95
		7363	0.50	858	79	91	78	75	75	75	70	63	82
		7363	1.00	946	81	92	80	76	76	77	70	62	83
		7363	2.00	1101	83	93	83	80	79	79	74	65	85
		7363	3.00	1246	85	86	93	82	81	81	77	68	88
		7363	4.00	1388	87	88	93	85	83	83	80	72	90
		9817	0.50	1084	83	94	84	80	80	81	78	72	87
		9817	1.00	1160	84	94	85	82	80	82	78	71	88
	9817	2.00	1290	86	88	94	84	82	83	79	70	90	
	2500	9817	3.00	1406	88	89	94	86	84	84	82	73	91
		9817	4.00	1516	89	90	94	88	86	85	84	76	93
		12272	0.50	1318	87	89	95	85	84	85	83	78	92
12272		1.00	1384	88	89	95	87	84	85	84	78	92	
270-30	2500	12272	2.00	1498	90	91	95	88	86	86	85	78	93
		12272	3.00	1600	91	92	96	90	87	87	87	79	95
		12272	4.00	1694	93	93	96	91	89	89	89	81	96

The sound power level ratings shown are in decibels referred to 10¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for installation Type A: Free inlet, Free outlet. Ratings do not include the effects of duct.

365 SOUND PERFORMANCE (PART 3 OF 3)

Model	OV	CFM	SP	RPM	Sound Power by Octave Bands dB Lwi								LwiA
					63	125	250	500	1000	2000	4000	8000	
365-41	1500	13753	0.50	679	82	92	77	75	76	74	69	65	82
		13753	1.00	742	83	92	78	76	76	74	70	66	82
		13753	2.00	849	85	92	81	78	78	77	74	69	84
		13753	3.00	952	87	92	84	80	80	79	77	73	86
		13753	4.00	1055	89	92	87	82	82	82	80	76	88
		16045	0.50	771	84	93	81	78	78	77	73	68	84
	1750	16045	1.00	829	85	92	82	79	79	78	74	69	85
		16045	2.00	926	87	92	84	80	80	79	76	72	86
		16045	3.00	1015	89	92	86	82	82	82	79	75	88
		16045	4.00	1103	90	92	89	84	83	84	81	78	90
		18337	0.50	863	86	93	85	81	81	80	76	71	87
		18337	1.00	917	87	93	86	82	81	81	77	72	87
	2000	18337	2.00	1008	89	93	87	82	82	82	79	74	88
		18337	3.00	1089	90	93	89	84	84	84	81	77	90
		18337	4.00	1167	-	-	-	-	-	-	-	-	-
365-42	1500	14432	0.50	704	83	92	79	76	77	75	70	65	82
		14432	1.00	765	84	92	79	76	77	75	71	67	83
		14432	2.00	870	86	92	82	78	78	78	74	70	84
		14432	3.00	968	87	92	84	80	80	80	77	73	87
		14432	4.00	1066	89	92	87	82	82	82	80	77	89
		16837	0.50	800	85	93	82	79	79	78	74	69	85
	1750	16837	1.00	857	86	93	83	80	80	79	75	70	85
		16837	2.00	952	88	92	85	81	81	80	77	72	87
		16837	3.00	1038	89	92	87	83	82	82	80	75	89
		16837	4.00	1122	91	92	90	84	84	84	82	78	91
		19242	0.50	897	87	93	86	82	82	81	77	72	88
		19242	1.00	950	88	93	87	83	82	82	78	73	88
	2000	19242	2.00	1039	90	93	88	83	83	83	80	75	89
		19242	3.00	1118	91	93	90	85	84	85	82	78	91
		19242	4.00	1192	-	-	-	-	-	-	-	-	-
365-43	1500	15127	0.50	730	83	92	80	77	77	76	71	66	83
		15127	1.00	790	84	92	80	77	78	76	72	68	83
		15127	2.00	891	86	92	83	79	79	78	75	71	85
		15127	3.00	985	88	92	85	81	81	81	78	74	87
		15127	4.00	1079	90	92	88	83	83	83	80	77	89
		17648	0.50	830	86	93	84	80	80	79	75	70	86
	1750	17648	1.00	886	87	93	84	81	80	80	76	71	86
		17648	2.00	980	88	93	86	82	81	81	78	73	88
		17648	3.00	1063	90	93	88	83	83	83	80	76	89
		17648	4.00	1143	-	-	-	-	-	-	-	-	-
		20169	0.50	932	88	93	87	83	83	82	78	73	89
		20169	1.00	984	89	93	88	84	83	83	80	74	89
	2000	20169	2.00	1072	90	93	90	84	84	84	81	77	90
		20169	3.00	1148	-	-	-	-	-	-	-	-	-
		20169	4.00	1221	-	-	-	-	-	-	-	-	-
365-44	1500	15839	0.50	756	84	93	81	78	78	76	72	67	84
		15839	1.00	816	85	92	81	78	78	77	73	68	84
		15839	2.00	915	87	92	84	80	80	79	76	71	86
		15839	3.00	1005	88	92	86	82	81	81	78	74	88
		15839	4.00	1094	90	92	88	83	83	83	81	77	90
		18479	0.50	861	86	93	85	81	81	80	76	71	87
	1750	18479	1.00	917	87	93	86	82	81	81	77	72	87
		18479	2.00	1008	89	93	87	82	82	82	79	74	88
		18479	3.00	1089	90	93	89	84	84	84	81	77	90
		18479	4.00	1166	-	-	-	-	-	-	-	-	-
		21118	0.50	968	89	94	88	84	83	83	80	74	90
		21118	1.00	1019	90	94	89	85	84	84	81	76	90
	2000	21118	2.00	1105	91	94	91	85	85	86	82	78	92
		21118	3.00	1180	-	-	-	-	-	-	-	-	-
		21118	4.00	1250	-	-	-	-	-	-	-	-	-

The sound power level ratings shown are in decibels referred to 10¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for inlet LWi and inlet LWiA sound power levels for installation Type A: Free inlet, Free outlet. Ratings do not include the effects of duct.

402 SOUND PERFORMANCE (PART 2 OF 2)

Model	OV	CFM	SP	RPM	Sound Power by Octave Bands dBS Lw								LwA
					63	125	250	500	1000	2000	4000	8000	
402-33	1500	8909	0.50	416	82	69	66	66	65	62	58	53	70
		8909	1.00	504	85	74	70	70	69	67	64	60	74
		8909	2.00	675	89	89	77	75	75	74	71	68	81
		8909	3.00	819	89	90	82	79	80	79	76	72	85
		8909	4.00	932	89	92	87	82	83	83	80	76	89
		10394	0.50	458	84	72	68	68	68	65	61	56	72
	1750	10394	1.00	533	87	76	71	71	71	68	65	61	76
		10394	2.00	685	89	89	77	75	76	74	71	68	81
		10394	3.00	826	89	90	83	79	80	79	76	73	85
		10394	4.00	946	88	92	87	82	83	83	80	77	89
		11879	0.50	503	86	75	71	71	70	67	63	59	75
		11879	1.00	569	88	78	73	72	73	70	67	63	77
402-34	1500	11879	2.00	701	89	89	78	76	76	75	72	68	82
		11879	3.00	833	89	90	83	79	80	79	76	73	86
		11879	4.00	953	88	92	87	82	83	83	80	77	89
	1750	9458	0.50	428	82	70	67	67	66	63	59	54	70
		9458	1.00	511	85	75	70	70	70	67	64	60	74
		9458	2.00	675	89	89	77	75	75	74	71	68	81
		9458	3.00	818	89	90	82	79	80	79	76	72	85
		9458	4.00	939	88	92	87	82	83	83	80	77	89
		11034	0.50	473	85	73	69	69	69	66	62	57	73
402-35	1500	11034	1.00	545	87	77	72	71	72	69	66	62	76
		11034	2.00	687	89	89	77	75	76	74	71	68	81
		11034	3.00	825	89	90	82	79	80	79	76	73	85
		11034	4.00	946	88	92	87	82	83	83	80	77	89
		12610	0.50	521	87	77	72	71	72	69	65	60	76
		12610	1.00	585	89	79	74	73	74	71	67	64	78
	2000	12610	2.00	709	89	89	78	76	77	75	72	69	82
		12610	3.00	833	89	90	83	79	80	79	76	73	86
		12610	4.00	952	88	92	87	82	83	83	80	77	89
	1750	10022	0.50	441	83	71	67	67	67	63	60	55	71
		10022	1.00	519	86	75	71	70	70	68	64	60	75
		10022	2.00	677	89	89	77	75	76	74	71	68	81
		10022	3.00	819	89	90	82	79	80	79	76	72	85
		10022	4.00	938	88	92	87	82	83	83	80	77	89
		11692	0.50	490	85	75	70	70	70	67	63	58	74
402-36	1500	11692	1.00	558	88	78	72	72	72	70	66	62	77
		11692	2.00	692	89	89	77	76	76	74	71	68	82
		11692	3.00	825	89	90	82	79	80	79	76	73	85
		11692	4.00	946	88	92	87	82	83	83	80	77	89
		13363	0.50	540	88	78	73	72	73	70	66	61	77
		13363	1.00	602	88	89	74	74	74	72	68	64	80
	2000	13363	2.00	719	89	89	79	77	77	75	72	69	82
		13363	3.00	837	89	90	83	79	80	79	76	73	86
		13363	4.00	952	88	92	87	82	83	83	80	77	89
		10603	0.50	455	84	72	68	68	67	64	60	56	72
		10603	1.00	529	86	76	71	71	71	68	65	61	75
		10603	2.00	678	89	89	77	75	76	74	71	68	81
402-37	1500	10603	3.00	819	89	90	82	79	80	79	76	72	85
		10603	4.00	941	88	92	87	82	83	83	80	77	89
		12370	0.50	507	86	76	71	71	71	68	64	59	75
		12370	1.00	572	88	79	73	73	73	70	67	63	78
		12370	2.00	699	89	89	78	76	76	75	72	68	82
		12370	3.00	827	89	90	83	79	80	79	76	73	86
	1750	12370	4.00	947	88	92	87	82	83	83	80	77	89
		14137	0.50	561	88	79	74	73	74	71	67	62	78
		14137	1.00	620	88	89	75	74	75	72	69	65	80
		14137	2.00	730	89	90	79	77	77	76	73	69	83
		14137	3.00	842	89	90	83	79	80	79	77	73	86
		14137	4.00	953	88	92	87	82	83	83	80	77	89
402-38	1500	11200	0.50	470	84	73	69	69	69	65	61	56	73
		11200	1.00	541	87	77	72	71	72	69	65	61	76
		11200	2.00	681	89	89	77	75	76	74	71	68	81
		11200	3.00	818	89	90	82	79	80	79	76	72	85
		11200	4.00	940	88	92	87	82	83	83	80	77	89
		13067	0.50	525	87	77	72	72	72	69	65	60	76
	1750	13067	1.00	588	89	79	74	73	74	71	67	64	78
		13067	2.00	707	89	89	78	76	77	75	72	68	82
		13067	3.00	828	89	90	83	79	80	79	76	73	86
		13067	4.00	945	88	92	87	82	83	83	80	77	89
		14933	0.50	582	89	81	75	74	75	72	68	64	79
		14933	1.00	639	88	89	76	75	75	73	69	65	81
402-39	1500	14933	2.00	744	89	90	80	77	78	76	73	69	83
		14933	3.00	849	89	90	83	80	80	80	77	73	86
		14933	4.00	955	88	92	87	82	84	83	80	77	89
		11814	0.50	486	85	74	70	70	70	66	62	57	74
		11814	1.00	554	88	77	72	72	72	70	66	62	77
		11814	2.00	686	89	89	77	75	76	74	71	68	81
	1750	11814	3.00	819	89	90	82	79	80	79	76	72	85
		11814	4.00	940	88	92	87	82	83	83	80	77	89
		13783	0.50	544	88	78	73	73	73	70	66	61	77
		13783	1.00	605	88	89	75	74	74	72	68	64	80
		13783	2.00	718	89	89	79	77	77	75	72	69	83
		13783	3.00	832	89	90	83	79	80	79	76	73	86
402-40	1500	13783	4.00	946	88	92	87	82	83	83	80	77	89
		15752	0.50	603	88	90	76	75	76	73	69	64	81
		15752	1.00	660	89	90	77	76	76	74	70	66	81
		15752	2.00	760	89	90	81	78	78	77	74	70	84
		15752	3.00	859	89	91	84	80	81	80	77	74	87
		15752	4.00	960	88	92	88	82	84	84	81	77	90

Model	OV	CFM	SP	RPM	Sound Power by Octave Bands dBS Lw								LwA
					63	125	250	500	1000	2000	4000	8000	
402-39	1500	12444	0.50	502	86	76	71	71	71	68	63	59	75
		12444	1.00	567	88	78	73	73	73	70	67	63	77
		12444	2.00	693	89	89	77	76	76	74	71	68	82
		12444	3.00	820	89	90	82	79	80	79	76	72	85
		12444	4.00	940	88	92	87	82	83	83	80	77	89
		14518	0.50	563	89	80	74	74	74	71	67	62	79
	1750	14518	1.00	622	88	89	75	74	75	73	69	65	80
		14518	2.00	730	89	90	79	77	77	76	73	69	83
		14518	3.00	839	89	90	83	79	80	79	76	73	86
		14518	4.00	948	88	92	87	82	83	83	80	77	89
		16592	0.50	626	88	90	77	76	77	74	70	65	82
		16592	1.00	681	89	90	78	76	77	75	71	67	82
2000	16592	2.00	778	89	90	81	78	79	78	74	70	85	
	16592	3.00	871	89	91	85	80	81	81	78	74	87	
	16592	4.00	966	88	92	88	82	84	84	81	78	90	
	13090	0.50	519	87	77	72	72	72	69	64	60	76	
	13090	1.00	582	89	79	74	73	74	71	67	63	78	
	13090	2.00	702	89	89	78	76	76	75	72	68	82	
402-40	1750	13090	3.00	822	89	90	82	79	80	79	76	73	85
		13090	4.00	939	88	92	87	82	83	83	80	77	89
		15272	0.50	584	89	81	76	75	75	72	68	64	80
		15272	1.00	641	88	90	76	75	76	73	69	65	81
		15272	2.00	745	89	90	80	77	78	77	73	69	83
		15272	3.00	847	89	90	83	80	80	80	77	73	86
	2000	15272	4.00	950	88	92	87	82	83	83	80	77	89
		17453	0.50	649	89	90	79	77	78	75	71	66	83
		17453	1.00	703	89	90	80	77	78	76	72	68	83
		17453	2.00	796	89	91	82	79	80	79	75	71	85
		17453	3.00	886	89	92	85	81	82	81	78	74	88
		17453	4.00	975	-	-	-	-	-	-	-	-	-
402-41	1500	13753	0.50	536	87	78	73	73	73	70	66	61	77
		13753	1.00	598	88	89	74	74	74	72	68	64	80
		13753	2.00	712	89	89	78	76	77	75	72	68	82
		13753	3.00	827	89	90	83	79	80	79	76	73	86
		13753	4.00	941	88	92	87	82	83	83	80	77	89
		16045	0.50	604	88	90	77	75	76	73	69	65	81
	1750	16045	1.00	661	89	90	77	76	76	74	70	66	82
		16045	2.00	760	89	90	81	78	79	77	74	70	84
		16045	3.00	858	89	91	84	80	81	80	77	74	87
		16045	4.00	956	88	92	87	82	84	83	80	77	90
		18337	0.50	674	89	90	80	78	78	76	72	67	83
		18337	1.00	726	89	91	81	78	79	77	73	68	84
2000	18337	2.00	817	89	91	83	80	80	79	76	72	86	
	18337	3.00	902	89	92	86	81	82	82	79	75	88	
	18337	4.00	987	-	-	-	-	-	-	-	-	-	
	14432	0.50	554	88	79	74	73	74	71	67	62	78	
	14432	1.00	615	88	89	75	74	75	72	69	64	80	
	14432	2.00	723	89	90	79	77	77	76	73	69	83	
402-42	1750	14432	3.00	832	89	90	83	79	80	79	76	73	86
		14432	4.00	941	88	92	87	82	83	83	80	77	89
		16837	0.50	625	89	90	78	76	77	74	70	65	82
		16837	1.00	681	89	90	79	77	77	75	71	67	82
		16837	2.00	778	89	90	82	79	79	78	74	70	85
		16837	3.00	870	89	91	85	80	81	81	78	74	87
	2000	16837	4.00	963	88	92	88	82	84	84	81	78	90
		19242	0.50	698	89	91	81	79	79	77	73	68	84
		19242	1.00	750	89	91	82	79	80	78	74	69	85
		19242	2.00	838	89	92	84	80	81	80	77	72	87
		19242	3.00	920	89	92	87	82	83	83	79	76	89
		19242	4.00	1001	-	-	-	-	-	-	-	-	-
402-43	1500	15127	0.50	573	89	81	75	74	75	72	68	63	79
		15127	1.00	632	88	89	76	75	76	73	69	65	81
		15127	2.00	737	89	90	80	77	78	76	73	69	83
		15127	3.00	840	89	90	83	79	80	79	77	73	86
		15127	4.00	945	88	92	87	82	83	83	80	77	89
		17648	0.50	648	89	90	79	77	78	75	71	66	83
	1750	17648	1.00	702	89	90	80	77	78	76	72	67	83
		17648	2.00	795	89	91	82	79	80	79	75	71	85
		17648	3.00	884	89	92	85	81	82	81	78	74	88
		17648	4.00	972	-	-	-	-	-	-	-	-	-
		20169	0.50	724	89	91	82	80	80	78	74	69	85
		20169	1.00	774	90	91	83	80	80	79	75	70	86
2000	20169	2.00	861	89	92	85	81	82	81	77	73	87	
	20169	3.00	939	89	93	88	82	84	84	80	76	90	
	20169	4.00	1017	-	-	-	-	-	-	-	-	-	
	15839	0.50	592	90	82	76	75	76	73	69	64	80	
	15839	1.00	650	88	90	77	76	76	74	70	65	81	
	15839	2.00	751	89	90	80	78	78	77	74	70	84	
402-44	1750	15839	3.00	850	89	91	83	80	81	80	77	73	86
		15839	4.00	949	88	92	87	82	83	83	80	77	89
		18479	0.50	671	89	90	80	78	78	76	72	67	83
		18479	1.00	724	89	91	81	78	79	77	73	68	84
		18479	2.00	815	89	91	83	80	80	80	76	72	86
		18479	3.00	900	89	92	86	81	82	82	79	75	88
	2000	18479	4.00	984	-	-	-	-	-	-	-	-	-
		21118	0.50	750	90	92	84	80	81	79	75	70	86
		21118	1.00	800	90	92	85	81	81	80	76	71	87
		21118	2.00	884	89	93	86	82	82	82	78	74	88
		21118	3.00	960	89	93	89	83	84	85	81	77	90
		21118	4.00	1034	-	-	-	-	-	-	-	-	-

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