



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

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

ENGINEERING SUPPLEMENT
ES-172
June 2007

ARRANGEMENT 4 TUBULAR ACOUSTAFoil® FANS

Sizes 12 through 36 Tubular AcoustaFoil Fans are available in Arrangement 4 for direct drive applications. Arrangement 4 wheels can be narrowed to meet the required performance at standard AC motor speeds. Minimum blade-width requirements limit Size 12 fans to 47% of full-width, Size 15 to 38% and Sizes 18 through 36 to 30% of full-width. The direct-drive performance curves shown in this catalog sheet will guide the designer to potential fan sizes and models. It is recommended that final selection be made using New York Blower's Electronic Catalog software and that a New York Blower sales representative be consulted for assistance in optimizing the selection.

Size 12 TA		Wheel diameter: 12 1/4"								Shaded area ratings at 1750 RPM		White area ratings at 3500 RPM	
		Fan Outlet Area: 1.53 sq.ft. Wheel circumference: 3.21' Maximum BHP = $.076 \left(\frac{\text{RPM}}{1000} \right)^3 \times \% \text{ Narrow Width}$											
CFM	OV	1/4" SP		1/2" SP		3/4" SP		1" SP		1 1/4" SP			
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP		
459	300	--	--	--	--	--	--	0.47	0.14	0.63	0.18		
612	400	0.47	0.12	0.49	0.14	0.54	0.16	0.62	0.18	0.84	0.24		
765	500	0.57	0.15	0.61	0.17	0.68	0.20	0.77	0.23				
918	600	0.69	0.18	0.74	0.21	0.81	0.24	0.93	0.28				
1071	700	0.80	0.21	0.86	0.24	0.95	0.28						
1224	800	0.92	0.24	0.98	0.28								
CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP			
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP		
765	500	--	--	--	--	--	--	--	--	0.52	1.20		
918	600	--	--	--	--	--	--	0.47	1.14	0.63	1.44		
1071	700	--	--	--	--	0.47	1.15	0.54	1.33	0.73	1.68		
1224	800	0.47	0.96	0.49	1.12	0.54	1.31	0.61	1.53	0.84	1.92		
1377	900	0.51	1.08	0.56	1.26	0.61	1.48	0.69	1.72	0.94	2.16		
1530	1000	0.57	1.21	0.62	1.40	0.68	1.64	0.77	1.91				
1683	1100	0.63	1.33	0.68	1.54	0.74	1.80	0.84	2.10				
1989	1300	0.74	1.57	0.80	1.82	0.88	2.13	0.99	2.48				
2295	1500	0.86	1.81	0.93	2.10								

Size 15 TA		Wheel diameter: 15"								Shaded area ratings at 1725 RPM		White area ratings at 3500 RPM			
		Fan Outlet Area: 2.29 sq.ft. Wheel circumference: 3.93' Maximum BHP = $.169 \left(\frac{\text{RPM}}{1000} \right)^3 \times \% \text{ Narrow Width}$													
CFM	OV	1/4" SP		1/2" SP		3/4" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP
687	300	--	--	--	--	--	--	--	--	--	--	0.39	0.32	0.47	0.37
916	400	0.38	0.25	0.39	0.27	0.41	0.31	0.43	0.34	0.47	0.38	0.52	0.42	0.63	0.49
1145	500	0.46	0.31	0.49	0.34	0.51	0.38	0.54	0.42	0.59	0.48	0.65	0.53	0.78	0.61
1374	600	0.55	0.37	0.58	0.41	0.61	0.46	0.65	0.51	0.70	0.57	0.78	0.64	0.94	0.74
1603	700	0.65	0.43	0.68	0.48	0.72	0.54	0.76	0.60	0.82	0.67	0.91	0.75		
1832	800	0.74	0.50	0.78	0.55	0.82	0.62	0.87	0.68	0.94	0.77				
2061	900	0.83	0.56	0.87	0.62	0.98	0.77								
2290	1000	0.92	0.62	0.97	0.69										
CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP	
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP
1374	600	--	--	--	--	--	--	--	--	--	--	0.38	2.59	0.43	2.95
1603	700	--	--	--	--	--	--	0.38	2.43	0.40	2.72	0.44	3.02	0.51	3.44
1832	800	--	--	0.38	2.29	0.40	2.53	0.43	2.78	0.46	3.11	0.50	3.45	0.58	3.94
2290	1000	0.45	2.58	0.48	2.86	0.50	3.16	0.54	3.47	0.57	3.89	0.63	4.31	0.72	4.92
2748	1200	0.55	3.10	0.57	3.43	0.60	3.79	0.64	4.17	0.69	4.67	0.75	5.18	0.87	5.91
3206	1400	0.64	3.62	0.67	4.00	0.70	4.42	0.75	4.86	0.80	5.45	0.88	6.04		
3664	1600	0.73	4.14	0.76	4.58	0.80	5.06	0.86	5.56	0.92	6.22				
4122	1800	0.82	4.66	0.86	5.15	0.90	5.69	0.96	6.26						
4580	2000	0.91	5.17	0.95	5.72										

Size 18 TA		Wheel diameter: 22 1/4"					Shaded area ratings at 1750 RPM	White area ratings at 3500 RPM							
		Fan Outlet Area: 5.07 sq.ft. Wheel circumference: 5.82' Maximum BHP = 1.10 $\left(\frac{\text{RPM}}{1000}\right)^3 \times \% \text{ Narrow Width}$													
CFM	OV	1/2" SP		3/4" SP		1" SP		1 1/4" SP		1 1/2" SP		2" SP		2 1/2" SP	
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP
1017	300	--	--	--	--	--	--	--	--	--	--	0.30	0.56	0.35	0.66
1356	400	0.31	0.44	0.32	0.49	0.33	0.53	0.35	0.58	0.36	0.63	0.40	0.75	0.46	0.89
1695	500	0.38	0.55	0.40	0.61	0.41	0.66	0.43	0.73	0.45	0.79	0.49	0.93	0.58	1.11
2034	600	0.46	0.66	0.48	0.73	0.49	0.79	0.52	0.87	0.54	0.95	0.59	1.12	0.70	1.33
2373	700	0.53	0.77	0.55	0.85	0.58	0.93	0.60	1.02	0.63	1.11	0.69	1.31	0.81	1.56
2712	800	0.61	0.88	0.63	0.98	0.66	1.06	0.69	1.17	0.72	1.27	0.79	1.50	0.93	1.78
3390	1000	0.76	1.10	0.79	1.22	0.82	1.33	0.86	1.46	0.90	1.59	0.99	1.87		
4068	1200	0.92	1.32	0.95	1.47	0.99	1.59								
CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP	
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP
2373	700	--	--	--	--	--	--	--	--	0.30	4.13	0.31	4.45	0.33	4.85
2712	800	0.30	3.22	0.31	3.54	0.32	3.92	0.33	4.34	0.34	4.72	0.36	5.09	0.37	5.54
3390	1000	0.37	4.03	0.38	4.42	0.40	4.91	0.41	5.43	0.43	5.90	0.45	6.36	0.47	6.92
4068	1200	0.44	4.84	0.46	5.31	0.48	5.89	0.49	6.51	0.51	7.08	0.54	7.64	0.56	8.31
4746	1400	0.51	5.65	0.53	6.19	0.55	6.87	0.58	7.60	0.60	8.26	0.63	8.91	0.66	9.70
5424	1600	0.59	6.45	0.61	7.08	0.63	7.85	0.66	8.68	0.68	9.45	0.72	10.1	0.75	11.0
6102	1800	0.66	7.26	0.69	7.97	0.71	8.83	0.74	9.77	0.77	10.6	0.81	11.4	0.84	12.4
6780	2000	0.73	8.07	0.76	8.85	0.79	9.82	0.82	10.8	0.86	11.8	0.90	12.7	0.94	13.8

Size 22 TA		Wheel diameter: 22 1/4"					Shaded area ratings at 1150 RPM	White area ratings at 1750 RPM							
		Fan Outlet Area: 5.07 sq.ft. Wheel circumference: 5.82' Maximum BHP = 1.10 $\left(\frac{\text{RPM}}{1000}\right)^3 \times \% \text{ Narrow Width}$													
CFM	OV	1/4" SP		1/2" SP		3/4" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP
1521	300	--	--	--	--	0.30	0.38	0.31	0.44	0.34	0.49	0.37	0.56	0.43	0.64
2028	400	0.35	0.38	0.37	0.45	0.39	0.51	0.42	0.59	0.45	0.66	0.50	0.75	0.58	0.86
2535	500	0.44	0.47	0.47	0.56	0.49	0.64	0.52	0.73	0.57	0.83	0.62	0.93	0.72	1.07
3042	600	0.53	0.57	0.56	0.67	0.59	0.76	0.63	0.88	0.68	0.99	0.75	1.12	0.87	1.29
3549	700	0.62	0.67	0.65	0.78	0.69	0.89	0.73	1.03	0.79	1.16	0.87	1.31		
4056	800	0.70	0.76	0.75	0.90	0.79	1.02	0.84	1.18	0.91	1.33	0.99	1.50		
4563	900	0.79	0.86	0.84	1.01	0.89	1.15	0.94	1.32						
5070	1000	0.88	0.95	0.93	1.12	0.99	1.28								
CFM	OV	1/2" SP		1" SP		1 1/2" SP		2" SP		2 1/2" SP		3" SP		4" SP	
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP
3042	600	0.35	1.27	0.36	0.72	0.38	1.68	0.40	1.92	0.42	2.11	0.45	2.34	0.56	2.96
3549	700	0.40	1.49	0.42	0.84	0.44	1.96	0.47	2.24	0.49	2.46	0.52	2.74	0.66	3.45
4056	800	0.46	1.70	0.48	0.96	0.50	2.24	0.53	2.56	0.56	2.81	0.60	3.13	0.75	3.95
4563	900	0.82	1.91	0.54	1.08	0.57	2.52	0.60	2.88	0.63	3.16	0.67	3.52	0.84	4.44
5070	1000	0.58	2.13	0.60	1.20	0.63	2.80	0.67	3.20	0.70	3.52	0.75	3.91	0.93	4.93
6084	1200	0.69	2.55	0.72	1.44	0.76	3.36	0.80	3.84	0.85	4.22	0.89	4.69		
7098	1400	0.81	2.98	0.85	1.69	0.88	3.92	0.93	4.48						
8112	1600	0.92	3.41	0.97	1.93										

Size 24 TA		Wheel diameter: 24 1/2"					Shaded area ratings at 1150 RPM	White area ratings at 1750 RPM							
		Fan Outlet Area: 6.17 sq.ft. Wheel circumference: 6.41' Maximum BHP = 1.75 $\left(\frac{\text{RPM}}{1000}\right)^3 \times \% \text{ Narrow Width}$													
CFM	OV	1/2" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP		2" SP		2 1/4" SP	
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP
1851	300	--	--	--	--	--	--	0.31	0.74	0.33	0.81	0.37	0.88	0.45	1.03
2468	400	0.33	0.63	0.37	0.8	0.39	0.88	0.41	0.98	0.44	1.08	0.49	1.17	0.60	1.37
3085	500	0.42	0.79	0.46	1.00	0.48	1.11	0.51	1.23	0.55	1.35	0.61	1.47	0.75	1.72
3702	600	0.50	0.95	0.55	1.20	0.58	1.33	0.62	1.48	0.67	1.63	0.74	1.76	0.90	2.06
4319	700	0.58	1.10	0.64	1.40	0.68	1.55	0.72	1.72	0.78	1.90	0.86	2.06		
4936	800	0.67	1.26	0.73	1.61	0.77	1.77	0.82	1.97	0.89	2.17	0.98	2.35		
5553	900	0.75	1.42	0.82	1.81	0.87	2.00	0.93	2.22						
6170	1000	0.83	1.58	0.92	2.01	0.97	2.22								

Size 24 TA		Wheel diameter: 24 1/2" Fan Outlet Area: 6.17 sq.ft. Wheel circumference: 6.41' Maximum BHP = $1.75 \left(\frac{\text{RPM}}{1000} \right)^3 \times \% \text{ Narrow Width}$						Shaded area ratings at 1150 RPM		White area ratings at 1750 RPM											
		CFM	OV	1/2" SP		3/4" SP		1" SP		1 1/2" SP		2" SP		2 1/2" SP		3" SP		4" SP		5" SP	
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP
3702	600	0.31	1.88	0.32	2.04	0.33	2.15	0.34	2.36	0.35	2.60	0.37	2.86	0.38	3.09	0.44	3.79	0.54	4.51		
4319	700	0.37	2.20	0.37	2.38	0.38	2.50	0.39	2.75	0.41	3.03	0.43	3.34	0.44	3.61	0.51	4.43	0.63	5.27		
4936	800	0.42	2.51	0.43	2.72	0.43	2.86	0.45	3.15	0.47	3.47	0.49	3.81	0.50	4.13	0.58	5.06	0.72	6.02		
6170	1000	0.52	3.14	0.53	3.40	0.54	3.58	0.56	3.94	0.59	4.34	0.61	4.77	0.63	5.16	0.73	6.33	0.9	7.53		
7404	1200	0.63	3.77	0.64	4.08	0.65	4.30	0.68	4.72	0.70	5.20	0.73	5.72	0.76	6.19	0.87	7.59				
8638	1400	0.73	4.40	0.74	4.76	0.76	5.01	0.79	5.51	0.82	6.07	0.86	6.68	0.88	7.22						
9872	1600	0.84	5.03	0.85	5.44	0.87	5.73	0.90	6.30	0.94	6.94	0.98	7.63								
11106	1800	0.94	5.66	0.96	6.12	0.98	6.45														

Size 27 TA		Wheel diameter: 27" Fan Outlet Area: 7.47 sq.ft. Wheel circumference: 7.07' Maximum BHP = $3.34 \left(\frac{\text{RPM}}{1000} \right)^3 \times \% \text{ Narrow Width}$						Shaded area ratings at 1150 RPM		White area ratings at 1750 RPM													
		CFM	OV	1/4" SP		1/2" SP		3/4" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP		2" SP		2 1/2" SP			
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP		
4512	600	0.40	1.36	0.41	1.49	0.43	1.62	0.45	1.83	0.46	1.93	0.48	2.13	0.49	2.22	0.52	2.45	0.59	2.79				
5264	700	0.47	1.59	0.48	1.74	0.50	1.89	0.52	2.14	0.54	2.25	0.56	2.48	0.58	2.59	0.61	2.86	0.69	3.25				
6016	800	0.54	1.82	0.55	1.99	0.57	2.16	0.60	2.44	0.61	2.57	0.65	2.84	0.66	2.96	0.70	3.27	0.78	3.72				
6768	900	0.60	2.05	0.62	2.23	0.64	2.43	0.67	2.75	0.69	2.90	0.73	3.19	0.74	3.33	0.78	3.68	0.88	4.18				
7520	1000	0.67	2.28	0.69	2.48	0.71	2.70	0.75	3.05	0.77	3.22	0.81	3.55	0.82	3.71	0.87	4.09	0.98	4.65				
9024	1200	0.81	2.73	0.83	2.98	0.85	3.24	0.90	3.67	0.92	3.86	0.97	4.26	0.99	4.45								
9776	1300	0.87	2.96	0.90	3.23	0.93	3.51	0.97	3.97														
10528	1400	0.94	3.19	0.97	3.48																		
CFM	OV	1/2" SP		3/4" SP		1" SP		1 1/2" SP		2" SP		3" SP		4" SP		5" SP		6" SP					
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP		
5264	700	0.31	3.62	0.31	3.80	0.32	3.97	0.32	4.35	0.33	4.64	0.35	5.30	0.38	6.07	0.41	6.80	0.46	7.66				
6016	800	0.35	4.14	0.36	4.34	0.36	4.54	0.37	4.97	0.38	5.30	0.40	6.06	0.43	6.94	0.47	7.77	0.53	8.76				
7520	1000	0.44	5.18	0.45	5.43	0.45	5.68	0.46	6.22	0.48	6.63	0.51	7.58	0.54	8.67	0.59	9.71	0.66	10.9				
9024	1200	0.53	6.21	0.53	6.52	0.54	6.81	0.56	7.46	0.57	7.95	0.61	9.09	0.65	10.4	0.70	11.6	0.79	13.1				
10528	1400	0.61	7.25	0.62	7.60	0.63	7.95	0.65	8.70	0.67	9.28	0.71	10.6	0.76	12.1	0.82	13.6	0.92	15.3				
12032	1600	0.70	8.29	0.71	8.69	0.72	9.08	0.74	9.95	0.76	10.6	0.81	12.1	0.87	13.8	0.94	15.5						
13536	1800	0.79	9.32	0.80	9.78	0.81	10.2	0.84	11.1	0.86	11.9	0.91	13.6	0.98	15.6								
15792	2100	0.92	10.8	0.94	11.4	0.95	11.9	0.97	13.0														

Size 30 TA		Wheel diameter: 30" Fan Outlet Area: 9.22 sq.ft. Wheel circumference: 7.85' Maximum BHP = $5.62 \left(\frac{\text{RPM}}{1000} \right)^3 \times \% \text{ Narrow Width}$						Shaded area ratings at 1175 RPM		White area ratings at 1770 RPM													
		CFM	OV	1/4" SP		1/2" SP		3/4" SP		1" SP		1 1/2" SP		2" SP		2 1/2" SP		3" SP		3 1/2" SP			
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP		
4610	500	--		0.30	1.89	0.31	2.08	0.31	2.19	0.33	2.48	0.35	2.83	0.37	3.12	0.40	3.48	0.46	3.88				
5532	600	0.35	2.14	0.36	2.27	0.37	2.50	0.38	2.63	0.40	2.98	0.42	3.40	0.45	3.74	0.49	4.17	0.55	4.66				
6454	700	0.71	2.49	0.42	2.65	0.43	2.91	0.44	3.07	0.46	3.47	0.49	3.97	0.52	4.37	0.57	4.87	0.64	5.44				
7376	800	0.47	2.85	0.48	3.03	0.49	3.33	0.50	3.51	0.53	3.97	0.56	4.53	0.59	4.99	0.65	5.57	0.73	6.21				
9220	1000	0.59	3.56	0.60	3.79	0.61	4.16	0.63	4.39	0.66	4.96	0.70	5.67	0.74	6.24	0.81	6.96	0.91	7.77				
11064	1200	0.70	4.28	0.72	4.55	0.74	5.00	0.75	5.27	0.79	5.96	0.84	6.80	0.89	7.49	0.97	8.35						
12908	1400	0.82	4.99	0.84	5.30	0.86	5.83	0.88	6.15	0.93	6.95	0.98	7.94										
14752	1600	0.94	5.70	0.96	6.06	0.98	6.66																
CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		8 1/2" SP					
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP		
8298	900	0.36	7.70	0.37	8.55	0.39	9.69	0.41	10.9	0.43	12.0	0.46	13.2	0.49	14.5	0.55	16.0	0.62	17.1				
9220	1000	0.39	8.56	0.41	9.50	0.43	10.7	0.46	12.1	0.48	13.3	0.51	14.6	0.55	16.1	0.61	17.8	0.69	19.0				
11064	1200	0.47	10.2	0.50	11.4	0.52	12.9	0.55	14.5	0.57	16.0	0.61	17.6	0.66	19.3	0.74	21.3	0.82	22.8				
12908	1400	0.55	11.9	0.58	13.3	0.60	15.0	0.64	16.9	0.67	18.6	0.71	20.5	0.77	22.5	0.86	24.9	0.96	26.6				
14752	1600	0.63	13.7	0.66	15.2	0.69	17.2	0.73	19.4	0.76	21.3	0.81	23.5	0.88	25.8	0.98	28.5						
16596	1800	0.71	15.4	0.74	17.1	0.78	19.3	0.82	21.8	0.86	24.0	0.91	26.4	0.99	29.0								
18440	2000	0.79	17.1	0.83	19.0	0.86	21.5	0.91	24.2	0.95	26.6												
20284	2200	0.87	18.8	0.91	20.9	0.95	23.6																

CFM		OV	Wheel diameter: 33" Fan Outlet Area: 11.2 sq.ft. Wheel circumference: 8.64' Maximum BHP = $8.98 \left(\frac{\text{RPM}}{1000} \right)^3 \times \% \text{ Narrow Width}$								Shaded area ratings at 1175 RPM		White area ratings at 1770 RPM						
			1/4" SP		1/2" SP		3/4" SP		1" SP		1 1/2" SP		2" SP		2 1/2" SP		3" SP		4" SP
				%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP
5600	500	--	--	--	--	--	--	0.30	3.41	0.31	3.78	0.32	4.18	0.34	4.54	0.55	7.65		
6720	600	0.32	3.05	0.32	3.31	0.33	3.49	0.34	3.68	0.35	4.10	0.37	4.54	0.39	5.02	0.41	5.45	0.67	9.18
7840	700	0.37	3.56	0.38	3.86	0.39	4.07	0.39	4.29	0.41	4.78	0.43	5.29	0.45	5.85	0.48	6.36	0.78	10.7
8960	800	0.42	4.07	0.43	4.41	0.44	4.65	0.45	4.90	0.47	5.47	0.49	6.05	0.51	6.69	0.54	7.27	0.89	12.2
10080	900	0.48	4.58	0.49	4.96	0.50	5.23	0.51	5.52	0.53	6.15	0.55	6.81	0.58	7.53	0.61	8.18		
11200	1000	0.53	5.09	0.54	5.51	0.55	5.82	0.56	6.13	0.59	6.83	0.62	7.56	0.64	8.36	0.68	9.09		
13440	1200	0.64	6.11	0.65	6.62	0.67	6.98	0.68	7.36	0.71	8.20	0.74	9.08	0.77	10.0	0.81	10.9		
15680	1400	0.74	7.13	0.76	7.72	0.78	8.15	0.79	8.58	0.83	9.57	0.86	10.5	0.90	11.7	0.95	12.7		
17920	1600	0.85	8.15	0.87	8.83	0.89	9.31	0.90	9.81	0.94	10.9	0.98	12.1						
		1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP	
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP
10080	900	0.32	10.9	0.33	12.0	0.35	13.4	0.36	14.7	0.37	16.0	0.39	17.6	0.41	18.8	0.43	20.4	0.47	22.1
11200	1000	0.36	12.1	0.37	13.4	0.38	14.9	0.40	16.3	0.41	17.8	0.44	19.6	0.46	20.9	0.48	22.6	0.52	24.5
13440	1200	0.43	14.5	0.45	16.1	0.46	17.9	0.48	19.6	0.50	21.4	0.52	23.5	0.55	25.1	0.58	27.2	0.63	29.5
15680	1400	0.50	17.0	0.52	18.7	0.54	20.9	0.56	22.8	0.58	24.9	0.61	27.4	0.64	29.3	0.68	31.7	0.73	34.4
17920	1600	0.57	19.4	0.59	21.4	0.61	23.9	0.64	26.1	0.66	28.5	0.70	31.3	0.73	33.5	0.77	36.3	0.84	39.3
20160	1800	0.64	21.8	0.67	24.1	0.69	26.9	0.72	29.4	0.75	32.1	0.78	35.2	0.82	37.6	0.87	40.8	0.94	44.2
22400	2000	0.72	24.3	0.74	26.8	0.77	29.9	0.80	32.6	0.83	35.6	0.87	39.2	0.91	41.8	0.97	45.3		
24640	2200	0.79	26.7	0.82	29.5	0.84	32.9	0.88	35.9	0.91	39.2	0.96	43.1						
26880	2400	0.86	29.1	0.89	32.2	0.92	35.9	0.96	39.2										

CFM		OV	Wheel diameter: 36 1/2" Fan Outlet Area: 13.6 sq.ft. Wheel circumference: 9.56' Maximum BHP = $14.0 \left(\frac{\text{RPM}}{1000} \right)^3 \times \% \text{ Narrow Width}$								Shaded area ratings at 1175 RPM		White area ratings at 1770 RPM						
			1/2" SP		1" SP		1 1/2" SP		2" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		5" SP
				%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP
6818	500	--	--	--	--	--	--	--	--	0.30	6.05	0.31	6.51	0.33	7.04	0.39	8.18		
8181	600	--	--	0.30	5.11	0.31	5.64	0.32	6.11	0.34	6.73	0.35	7.26	0.37	7.81	0.39	8.45	0.47	9.81
9544	700	0.34	5.46	0.35	5.96	0.36	6.59	0.38	7.13	0.39	7.85	0.41	8.46	0.43	9.11	0.46	9.86	0.55	11.4
10908	800	0.38	6.24	0.40	6.82	0.41	7.53	0.43	8.15	0.45	8.97	0.47	9.68	0.49	10.4	0.52	11.2	0.62	13.0
12272	900	0.43	7.02	0.45	7.67	0.46	8.47	0.48	9.17	0.51	10.1	0.53	10.8	0.55	11.7	0.59	12.6	0.70	14.7
13635	1000	0.48	7.80	0.50	8.52	0.51	9.41	0.54	10.1	0.56	11.2	0.59	12.1	0.61	13.0	0.66	14.0	0.78	16.3
16362	1200	0.57	9.37	0.59	10.2	0.62	11.2	0.64	12.2	0.67	13.4	0.71	14.5	0.74	15.6	0.79	16.9	0.93	19.6
19089	1400	0.67	10.9	0.69	11.9	0.72	13.1	0.75	14.2	0.79	15.7	0.83	16.9	0.86	18.2	0.92	19.7		
21816	1600	0.77	12.4	0.79	13.6	0.82	15.0	0.86	16.3	0.90	17.9	0.94	19.3	0.98	20.8				
		1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		10" SP	
		%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP	%	BHP
12272	900	--	--	0.30	18.6	0.31	20.1	0.33	21.7	0.34	23.2	0.35	25.1	0.37	26.8	0.42	30.5		
13635	1000	0.32	17.6	0.33	19.0	0.34	20.7	0.35	22.3	0.36	24.1	0.38	25.8	0.39	27.8	0.41	29.8	0.46	33.9
16362	1200	0.38	21.2	0.39	22.8	0.41	24.9	0.42	26.8	0.44	29.0	0.45	31.0	0.47	33.4	0.49	35.7	0.55	40.7
19089	1400	0.44	24.7	0.46	26.6	0.47	29.0	0.49	31.3	0.51	33.8	0.53	36.2	0.55	39.0	0.57	41.7	0.65	47.4
21816	1600	0.51	28.2	0.52	30.4	0.54	33.2	0.56	35.8	0.58	38.7	0.60	41.4	0.63	44.6	0.66	47.7	0.74	54.2
24543	1800	0.57	31.8	0.59	34.2	0.61	37.3	0.63	40.2	0.65	43.5	0.68	46.5	0.71	50.2	0.74	53.6	0.83	61.0
27270	2000	0.63	35.3	0.66	38.0	0.68	41.5	0.70	44.7	0.73	48.3	0.75	51.7	0.79	55.7	0.82	59.6	0.92	67.8
29997	2200	0.70	38.8	0.72	41.8	0.74	45.6	0.77	49.2	0.80	53.2	0.83	56.9	0.86	61.3	0.90	65.5		
32724	2400	0.76	42.4	0.79	45.6	0.81	49.8	0.84	53.7	0.87	58.0	0.90	62.1	0.94	66.9	0.99	71.5		
35451	2600	0.82	45.9	0.85	49.4	0.88	53.9	0.91	58.1	0.94	62.8	0.98	67.2						