

USF Centrifugal Fan *Performance Supplement*

- Engineering Information
- Air Performance
- Sound Performance

Table of Contents

Engineering Data

Motor Starting Torque	3
V-Belt Drives	3
Wheel Moments of Inertia	3
Fan RPM Limitations	3
Effects of Air Density	4
Effect of Installation on Performance	5
Sound Performance Testing.....	6-7
Sample Fan Selection	8-9

Air and Sound Performance Data

Tabulated Air & Sound Performance	11-59
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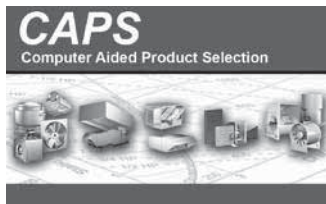


Greenheck Fan Corporation certifies that the model USF-BI and USF-AF shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.



Greenheck Fan Corporation certifies that the model USF-BI and USF-AF 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.

MODEL	AMCA	SIZES
USF-BI 200	AMCA Air	6 - 10
USF-BI 200	AMCA Sound and Air	12 - 22
USF-BI 300	AMCA Air	6 - 10
USF-BI 300	AMCA Sound and Air	12 - 24
USF-BI 300	AMCA Air	27 - 49
USF-AF 400	AMCA Sound and Air	18 - 49
USF-BI 400	AMCA Sound and Air	All sizes (7 - 49)



Computer Aided Product Selection Program – CAPS

All Greenheck products are supported by the industry's best product literature, electronic media, and Computer Aided Product Selection program, CAPS. Online, you can also find electronic copies of our product literature as well as storage, installation and maintenance information in our Installation and Operation Manuals.

And, of course, you can always count on the personal service and expertise of our national and international representative organization. To locate your nearest Greenheck representative call 715-359-6171 or visit our website at www.greenheck.com

To-Scale Drawings and Fan Specifications

To-scale CAD drawings along with detailed centrifugal specifications can be found online at greenheck.com or within our Computer Aided Product Selection program (CAPS).

Engineering Data

Motor Starting Torque

When selecting a motor for a centrifugal fan, the motor must be capable of driving the fan at operating speed and also capable of accelerating the fan wheel, shaft and drive to the operating speed.

The fan performance tables and curves in this catalog show the brake horsepower required to operate the fan once it is brought to operating speed. For applications requiring a large air volume at a low static pressure, the BHP required at the fan's operating RPM may not be sufficient to initially start the fan. If the time required to bring the fan to speed is excessive, the motor winding insulation can be damaged due to excessive temperature rise and the life of the motor seriously affected.

For a belt drive fan, the required motor starting torque capability can be expressed by the following formula:

$$WR_M^2 = WR_F^2 \times \left(\frac{FRPM}{MRPM} \right)^2 \times (1.1)$$

WR_M^2 = The moment of inertia that the motor must be capable of turning at the motor shaft, lb-ft²

WR_F^2 = The moment of inertia of the fan wheel, lb-ft²

FRPM = Fan RPM

MRPM = Motor RPM

V-Belt Drives

Constant Speed Drives

Advantages of constant speed drives include low vibration levels, ease of assembly and low cost. Fan speed changes can be accomplished in most cases simply by changing the motor pulley.

Constant speed drives are recommended over variable speed drives for applications that require motors 15 HP and larger, and all applications requiring 3600 RPM motors.

Variable Speed Drives

Variable speed drives allow the fan speed to be changed by adjusting the pitch diameter of the motor pulley. The power to the fan must be off and locked out, and the belts must be removed before manually adjusting the variable pitch pulley.

USF-400 Moments of Inertia (lb-ft²)

Moments of inertia are shown for steel wheels. Aluminum wheels are one-third of the value shown.

Fan Size	Steel Backward Inclined Centrifugal Wheels		Steel Airfoil Centrifugal Wheels	
	Class I	Class II	Class I	Class II
7-10	1.0	1.0	—	—
12	1.5	1.8	—	—
13	2.1	2.5	—	—
15	3.5	3.7	—	—
16	5.3	6.3	—	—
18	8.9	10.2	9.8	11.1
20	12.4	14.2	13.3	20.1
22	22.4	22.4	24.0	24.0
24	31.8	34.4	33.3	33.3
27	46.0	49.8	49.7	49.7
30	71.8	87.3	78.4	88.8
33	103	125	113	144
36	179	200	183	230
40	300	333	303	372
44	434	541	432	530
49	663	821	741	816

Fan RPM Limitations

The maximum allowable wheel RPM shown on the fan performance pages are for fans of standard steel operating at 70°F. Since the strength of the fan wheel, shaft and bearings decreases with an increase in temperature, maximum allowable speeds must be reduced by the correction factors shown below.

Maximum RPM Correction Factors For High Temperatures	
Temperature (°F)	Steel
70	1.00
200	.97
250	.96
300	.95
400	.93

Engineering Data

Effect of Air Density – Temperature and Elevation

Ratings in the fan performance tables and curves of this catalog are based on standard air (clean, dry air with a density of 0.075 pounds per cubic foot, barometric pressure at sea level of 406.75 inches wg, temperature of 70°F). Selecting a fan to operate at conditions other than standard air requires an adjustment to both static pressure and brake horsepower.

One cubic foot of air has a constant volume regardless of temperature or elevation. However, air density changes with non-standard temperature or elevation. Therefore, when selecting a fan to operate at a non-standard air density using standard air density tables and curves, corrections must be made to parameters affected by air density. These parameters are static pressure and brake horsepower.

For example, a size 30 USF 400-BI centrifugal fan is to deliver 13,000 cfm at 4.85 inches wg static pressure. Elevation is 2000 feet, temperature is 150°F.

The 4.85 inches wg static pressure refers to the static pressure at the operating air density, in this case at 2000 feet, 150°F. Intuitively, we realize that at higher than standard elevations and temperatures, air density will be lower than standard. Therefore, we must determine what static pressure at standard air density will equate to 4.85 inches wg static pressure at our operating density. Since standard air density is greater than operating air density in this case, we would expect the corrected static pressure to be greater than the operating static pressure.

The accompanying table gives air density correction factors for non-standard temperatures and elevations.

The example below shows the relationship of fan performance at sea level and at 2000 ft. elevation and 150°F.

Example:

The following example shows how to properly select the fan described above:

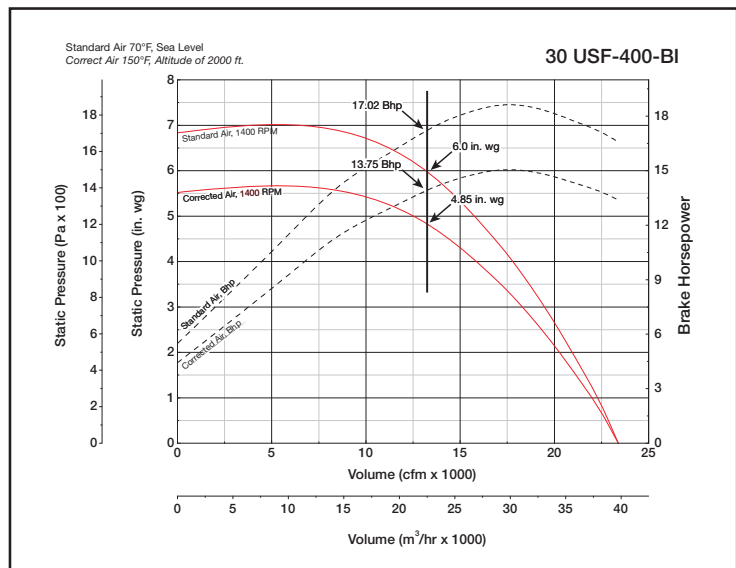
1. Since the air volume delivered by the fan is not affected by density, airflow remains 16,500 cfm.
2. Determine correction factor from chart for an elevation of 2000 feet and air temperature of 150°F. The correction factor is 0.808.
3. Divide the specified operating static pressure by the correction factor to determine the standard air density equivalent static pressure. Corrected static pressure = 4.85 inches wg ÷ 0.808 = 6.0 inches wg static pressure.
4. Refer to the fan performance table for a 30 USF 400. At 13,000 cfm and 6.0 inches wg static pressure: Fan RPM = 1400, BHP = 17.02
5. 1400 Fan RPM is required to produce the desired performance.
6. Since the horsepower selected refers to standard air density, this must be corrected to reflect actual BHP at the lighter operating air. Operating BHP = Standard BHP x 0.808, or 17.02 x 0.808 = 13.75 BHP.

If a fan is selected to operate at high temperatures, the motor must be of sufficient horsepower to handle the increased load at any lower operating temperature where the air is more dense. Assume the air entering the 30 USF 400 fan at start-up is 0°F. For 0°F and 2000 feet elevation, the air density correction factor is 1.071

BHP at 0°F = 17.02 x 1.071 = 18.24, therefore, a 20 hp motor is required.

Dry Air Density Correction Factor (I-P)													
Multiply Standard Air Density, 0.075 lb _m /ft ³ by the Factor to obtain Density at Condition p _b													
Altitude, (Z)	ft.	-1000	Sea Level	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
	Barometric Pressure (p _b)	in. Hg	31.02	29.92	28.85	27.82	26.82	25.84	24.89	23.98	23.09	22.22	21.39
	in. wg	421.71	406.75	392.21	378.20	364.61	351.29	338.37	326.00	313.90	302.07	290.79	279.78
Temperature °F, (t)	-40	1.309	1.262	1.217	1.174	1.131	1.090	1.050	1.012	0.974	0.937	0.902	0.868
	0	1.195	1.152	1.111	1.071	1.033	0.995	0.959	0.924	0.889	0.856	0.824	0.793
	40	1.099	1.060	1.022	0.986	0.950	0.915	0.882	0.850	0.818	0.787	0.758	0.729
	70	1.037	1.000	0.964	0.930	0.896	0.864	0.832	0.801	0.772	0.743	0.715	0.688
	100	0.981	0.946	0.913	0.880	0.848	0.817	0.787	0.759	0.730	0.703	0.677	0.651
	150	0.901	0.869	0.838	0.808	0.779	0.750	0.723	0.696	0.670	0.645	0.621	0.598
	200	0.832	0.803	0.774	0.747	0.720	0.693	0.668	0.644	0.620	0.596	0.574	0.552
	250	0.774	0.746	0.720	0.694	0.669	0.645	0.621	0.598	0.576	0.554	0.534	0.513
	300	0.723	0.697	0.672	0.648	0.625	0.602	0.580	0.559	0.538	0.518	0.498	0.480
	350	0.678	0.654	0.631	0.608	0.586	0.565	0.544	0.524	0.505	0.486	0.468	0.450
400	0.639	0.616	0.594	0.573	0.552	0.532	0.513	0.494	0.475	0.458	0.440	0.424	

Adapted from AMCA Standard 99-09, section 0200, Charts and Tables, with written permission from Air Movement and Control Association International, Inc.



Engineering Data

Effect of Installation on Performance

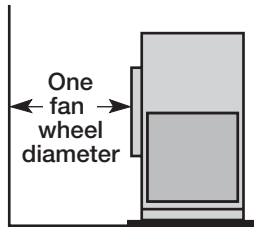
Ratings presented in the performance tables and curves of this catalog were derived from tests made in accordance with AMCA Standard 210 — “Laboratory Methods of Testing Fans for Ratings.” The AMCA test procedure utilizes an open inlet and a straight outlet duct to assure maximum static regain.

Any installation with inlet or discharge configurations that deviate from this standard may result in reduced fan performance. Restricted or unstable flow at the fan inlet can cause pre-rotation of incoming air or uneven loading of the fan wheel yielding large system losses and increased sound levels. Free discharge or turbulent flow in the discharge ductwork will also result in system effect losses.

Static pressure losses due to inlet and discharge conditions can be expressed in terms of system effect factors. The static pressure for selection of the fans equals the system static pressure plus the system effect factor.

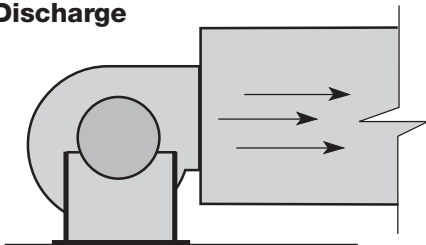
Some common inlet and discharge conditions which affect fan performance are:

Non-Ducted Inlet Clearance



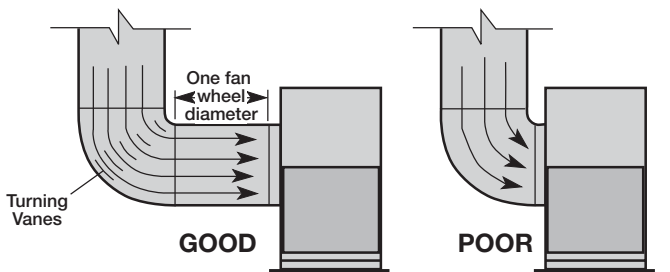
Installation of a fan with an open inlet too close to a wall or bulkhead will cause reduced fan performance. It is desirable to have one fan wheel diameter between the fan inlet and the wall. *System effect Curve #3 depicts the pressure loss for one-half wheel diameter clearance.*

Free Discharge



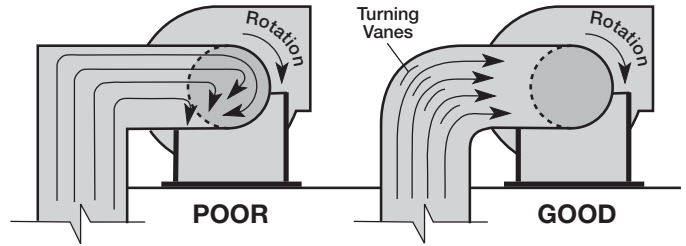
Free or abrupt discharge into a plenum results in a reduction in fan performance. The effect of static regain in discharge is not realized. *System effect Curve #2 depicts the pressure loss for free or abrupt discharge.*

Inlet Duct Turns



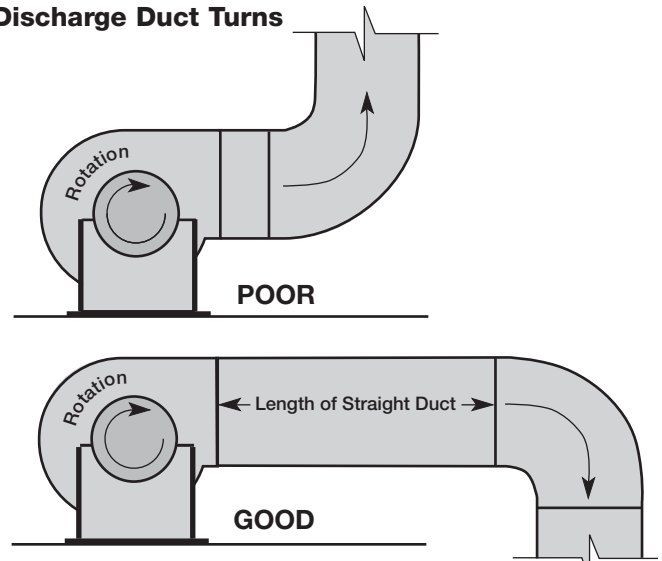
Installation of a duct turn or elbow too close to the fan inlet reduces fan performance because the air is loaded unevenly into the fan wheel. To achieve full fan performance there should be at least one fan wheel diameter between the turn or elbow and the fan inlet. *Curve #1 shows the system effect factor when less than one diameter is provided.* Note: Use of an inlet box in lieu of a turn or elbow significantly reduces system effect.

Inlet Spin



Inlet spin is a frequent cause of reduced fan performance. The change in fan performance is a function of the intensity of spin and not easily defined. The best solution is proper duct design and airflow patterns.

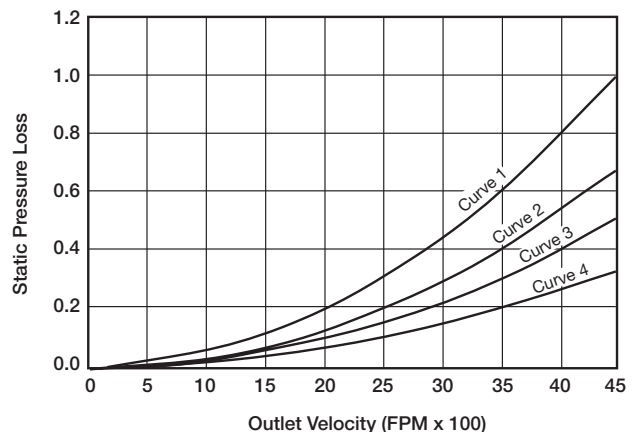
Discharge Duct Turns



Duct turns located near the fan discharge should always be in the direction of the fan rotation. Fan performance is reduced when duct turns are made immediately off the fan discharge. To achieve cataloged fan performance there should be at least three equivalent duct diameters of straight ductwork between the fan discharge and any duct turns. *Curve #4 shows the system effect factor for two diameters of straight ductwork and Curve #2 for one diameter.*

System Effect Factor Curves

Additional information on system effect factors can be found in AMCA Publication 201 — “Fans and Systems” and ASHRAE Handbooks.



Sound Performance Testing

AMCA Licensed Ratings

Sound tests were conducted in Greenheck Fan Corporation's AMCA Accredited sound laboratory in accordance with AMCA Standard 300. Inlet and outlet sound ratings comply with AMCA Publication 311, qualifying these models to bear the AMCA Seal for Sound and Air Performance. The sound power levels published here can be compared directly with those of other similarly rated fans, or used as a baseline to determine sound levels in occupied spaces.

The sound data in this brochure is the result of extensive testing, which included both inlet and outlet sound tests on single-width centrifugal fans. Typically, fan manufacturers publish only inlet sound for single-width fans. The assumption they make is that outlet sound is identical to inlet sound. Sound data based on this assumption is simply not accurate enough for today's sound sensitive installations. This assumption also ignores duct end corrections for outlet sound.

Test Methods

AMCA Standard 300 clearly defines methods used to test fans in a reverberant sound test room. The reverberant room is specifically designed to allow sound waves to be dispersed evenly throughout the room. The walls have a hard surface that reflects sound and are positioned to prevent resonances which could result in quiet areas within the room.

Sound power cannot be directly measured. The test method is based on a Reference Sound Source (RSS) substitution for determining fan sound power. The RSS is a laboratory calibrated device which has a known sound power output level. The test fan is installed as shown below. The RSS is energized and the sound pressure levels in the reverberant room are recorded. The fan is then operated without the RSS and the fan sound pressure levels are recorded for various points of operation. Since the sound power levels of the RSS are known, the substitution method is used to determine the sound power levels of the fan. This method is illustrated in the following example.

Calculating Fan Sound Power

Octave Band	1	2	3	4	5	6	7	8
Center Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Calibrated RSS Sound Power (Lwr)	82	81	81	81	81	81	79	78
Measured RSS Sound Pressure (Lpq)	70	74	75	76	75	74	69	61
Difference (Lwr-Lpq)	12	7	6	5	6	7	10	17
Measured Fan Sound Pressure (Lpm)	68	72	69	69	68	62	57	46
Substitution (Lwr-Lpq, from above)	+12	+7	+6	+5	+6	+7	+10	+17
Fan Sound Power (Lw)	80	79	75	74	74	69	67	63

Note: Sound level shown in dB

Test Setups

The illustrations show where the sound levels were measured with respect to the fan. Inlet sound was tested as in Figure 2 of AMCA Standard 300 and outlet sound was tested as in Figure 3. Inlet and outlet sound were determined in the same inlet and outlet configurations as the air tests. (Installation Type B - Free Inlet, Ducted Outlet).

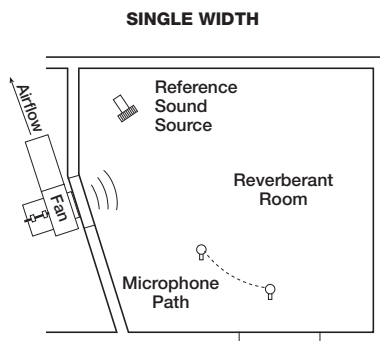


Figure 2:
AMCA Standard 300 - Fan Inlet Sound Testing
Installation Type B: Free Inlet, Ducted Outlet

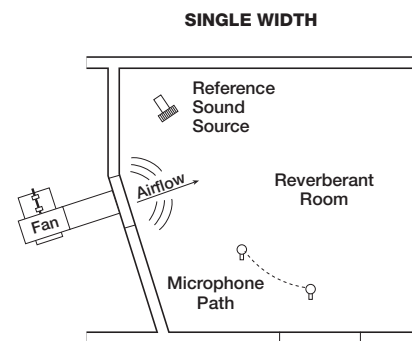


Figure 3:
AMCA Standard 300 - Fan Outlet Sound Testing
Installation Type B: Free Inlet, Ducted Outlet
(Ratings include the effects of duct end correction)

Sound Performance Testing

Tolerance and Application

The certification process in AMCA Standard 311 calls for a precertification test to verify original test results. Check tests are also required every three (3) years for each model licensed. Test data must agree with the published sound power within the following tolerance levels:

Octave Band	1	2	3	4	5	6	7	8
Center Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Tolerance	+6	+3	+3	+3	+3	+3	+3	+3

These tolerance levels are a good indication of the variance that could occur from one fan or test setup to another. Once installed however, there are many other factors that can affect the sound power generated by a fan.

The lower frequencies (below 125 Hz) are greatly affected by vibration. Fan wheel balance, motor balance, drive alignment, etc., all affect the vibration level of the fan and can increase sound power in the 1st and 2nd octaves. When ducts are not properly isolated from the fan, these vibrations can be transmitted into the ducts, which can generate additional low frequency sound.

Sound power generated by a fan can also be influenced by system effects. System effects are pressure losses caused by inlet or outlet restrictions, or other conditions causing non-uniform airflow at the inlet or discharge of a fan (see AMCA Publication 201). Examples include inlet or outlet elbows too close to a fan, restricted inlets and fan accessories. While system effects can prevent fans from reaching their designed air performance, they can also result in increased sound power levels. Typically, system effects cause pressure fluctuations which influence the lower frequencies. Poor inlet conditions can also greatly increase sound levels at the blade pass frequency (BPF). The blade pass frequency refers to how often a blade or wheel fin passes a stationary location of the housing and can be calculated using the following equation:

Per AMCA: Blade Pass Frequency

$$\text{BPF (Hz)} = \left(\frac{\text{Fan RPM} \times \text{Number of Blades}}{60} \right)^2$$

NOTE: All USF 400-BI and USF 400-AF wheels have nine blades.

Sound is becoming increasingly critical for most fan installations. Greenheck employs extensive research and testing to provide sound data that is as thorough and accurate as possible. However, sound pressure levels in occupied spaces are affected by the acoustical qualities of the space, distance from source to receiver, etc. Therefore, published sound power data can be used only as a baseline for determining the resulting sound pressure levels an occupant hears. While Greenheck provides products which meet published sound power levels, no manufacturer can be responsible for poor installations or system designs beyond their control. For further information on installation practices, see AMCA Publication 201, "Fans and Systems".

Fan Selection Procedure

The purpose of this page is to demonstrate the manual centrifugal fan selection process. This page also contains helpful tips to check your fan selection, as well as a step-by-step set of instructions on how to use this manual to properly select a centrifugal fan.

An important point to remember when manually selecting a centrifugal fan is that more than one fan is available to meet the desired performance (CFM and Ps). Selection criteria such as unit size, efficiency, speed, outlet velocity, horsepower, or construction material may also dictate which fan is chosen.

A The Outlet Area is used for the Outlet Velocity (OV) calculation.

$$OV = \frac{CFM}{OA}$$

B The Maximum BHP can be calculated for a given fan RPM along the fan curve.

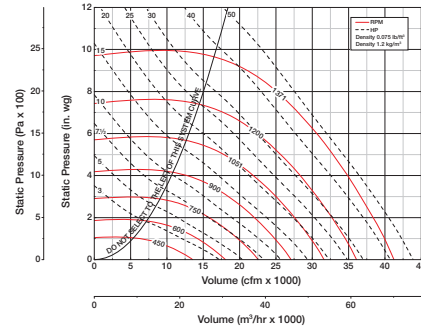
C The maximum fan RPM for each fan class is listed.

D The minimum starting HP is determined by the inertia (WR^2) of the fan and motor. See page 3 for a complete motor starting torque formula.

36 USF-400 - BI

Wheel Diameter	36.5 in. 927 mm
Outlet Area	7.66 ft ² 0.71 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/381) ³ (RPM/420) ³
Maximum RPM	1371
Tip Speed	RPM x 9.56 ft/min. RPM x 0.049 m/s

Imperial data - Metric data



CFM	OV		Static Pressure in Inches wg										
			0.5	1	2	3	4	5	6	7	8	9	
8000	1044	RPM	377	472	629	790							
		BHP	0.96	1.75	3.64	6.28							
		LwiA / LwoA	67 / 72	71 / 75	80 / 81	84 / 86	88 / 89						
11000	1436	RPM	449	527	662	790	888						
		BHP	1.63	2.61	4.8	7.98	10.1						
		LwiA / LwoA	72 / 76	75 / 78	80 / 83	84 / 86	88 / 89	93 / 94					
14000	1828	RPM	532	596	713	809	915	1006	1091				
		BHP	2.63	3.82	6.39	9.18	12.2	15.5	19.06				
		LwiA / LwoA	78 / 81	80 / 82	83 / 85	85 / 89	87 / 90	90 / 92	93 / 94				
17000	2219	RPM	620	674	776	871	957	1042	1119	1193	1267	1336	
		BHP	4.07	5.44	8.44	11.6	14.93	18.52	22.23	26.18	30.43	34.8	
		LwiA / LwoA	83 / 86	84 / 86	86 / 89	87 / 91	89 / 92	91 / 94	93 / 95	95 / 97	98 / 98	100 / 100	
20000	2611	RPM	711	758	848	933	1012	1087	1161	1231	1297	1359	
		BHP	6.07	7.6	10.99	14.59	18.32	22.17	26.24	30.49	34.85	39.3	
		LwiA / LwoA	87 / 90	88 / 91	90 / 93	91 / 93	91 / 94	92 / 96	94 / 97	95 / 99	97 / 100	98 / 101	
23000	3003	RPM	804	845	926	1002	1075	1144	1212	1274	1339		
		BHP	8.69	10.39	14.12	18.16	22.33	26.59	30.98	35.47	40.23		
		LwiA / LwoA	91 / 94	91 / 94	91 / 94	92 / 95	93 / 97	94 / 98	95 / 99	96 / 100	98 / 101		
26000	3394	RPM	898	935	1007	1076	1143	1209	1271	1331			
		BHP	12.03	13.92	17.98	22.39	27.01	31.72	36.52	41.43			
		LwiA / LwoA	93 / 97	93 / 97	94 / 97	95 / 98	96 / 99	97 / 100	97 / 101	98 / 102			

Performance certified is for model USF 400-BI, Installation Type B: free inlet, ducted outlet.
Performance ratings do not include the effects of appurtenances (accessories).
Power rating (Bhp) does not include transmission losses.

STEP 1

Enter the performance table with the desired CFM and Ps. Obtain the fan RPM, BHP Sound.

EXAMPLE

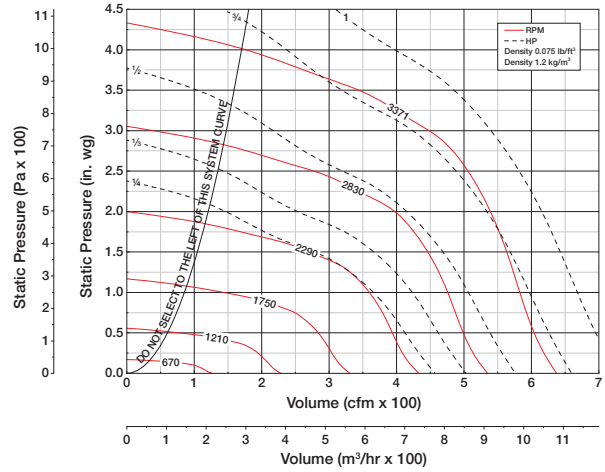
For this example, we will use 23,000 cfm at 3.0 Ps. This gives us a fan RPM of 1002, requiring 18.16 Bhp.

NOTE: If your specific fan selection is not at standard air (70°F), refer to air density correction factor table found on page 4. L_{wiA} and L_{woA} are the A-weighted sound power levels for the fan inlet and outlet, respectively, at the selected performance. For this example, inlet sound is 92 dBA and the outlet sound is 95 dBA.

06 USF-200/300

Wheel Diameter	10.5 in. 267 mm
Outlet Area	0.63 ft ² 0.06 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/3629) ³ (RPM/4001) ³
Maximum RPM	3371
Tip Speed	RPM x 2.75 ft/min. RPM x 0.014 m/s

Imperial data - Metric data



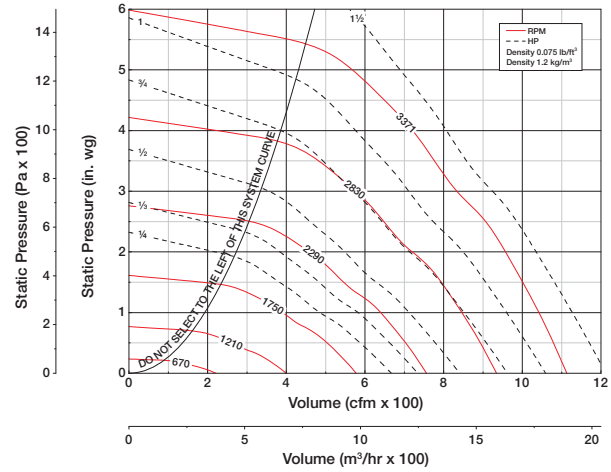
CFM	OV		Static Pressure in Inches wg										
			0.25	0.5	0.75	1	1.25	1.5	2	2.5	3	3.5	
100	158	RPM	914	1236	1486	1699	1890						
		BHP	0.016	0.036	0.06	0.088	0.12						
		LwiA	59	64	67	70	72						
150	237	RPM	1034	1310	1550	1759	1944	2112	2411	2680	2925		
		BHP	0.023	0.046	0.075	0.11	0.14	0.18	0.25	0.34	0.44		
		LwiA	61	65	68	71	73	75	78	81	83		
200	316	RPM	1238	1419	1637	1828	2010	2176	2472	2735	2973	3191	
		BHP	0.037	0.06	0.09	0.13	0.16	0.2	0.29	0.38	0.48	0.59	
		LwiA	64	67	70	72	74	76	79	81	83	85	
250	396	RPM	1475	1604	1756	1931	2096	2249	2538	2798	3034	3253	
		BHP	0.061	0.084	0.11	0.15	0.19	0.23	0.33	0.43	0.54	0.65	
		LwiA	66	69	71	74	75	77	80	82	84	86	
300	475	RPM	1728	1829	1937	2067	2205	2350	2619	2867	3100	3316	
		BHP	0.095	0.12	0.15	0.18	0.22	0.27	0.37	0.48	0.6	0.72	
		LwiA	69	71	74	75	77	78	81	83	85	86	
350	554	RPM	1985	2069	2161	2252	2363	2470	2722	2957	3173		
		BHP	0.14	0.17	0.2	0.23	0.27	0.31	0.41	0.53	0.66		
		LwiA	72	74	75	77	78	79	82	84	85		
400	633	RPM	2244	2320	2392	2476	2557	2648	2838	3063	3273		
		BHP	0.2	0.23	0.26	0.3	0.34	0.38	0.48	0.59	0.72		
		LwiA	75	76	77	79	80	81	83	85	86		
450	712	RPM	2497	2575	2640	2706	2781	2853	3015	3183			
		BHP	0.28	0.31	0.35	0.38	0.42	0.47	0.56	0.67			
		LwiA	78	78	79	80	82	83	84	85			
500	791	RPM	2751	2833	2893	2951	3010	3078	3207	3360			
		BHP	0.37	0.41	0.45	0.49	0.53	0.57	0.67	0.78			
		LwiA	80	81	81	82	83	84	85	86			
550	870	RPM	3007	3092	3148	3202	3254	3308					
		BHP	0.48	0.53	0.57	0.61	0.65	0.7					
		LwiA	82	83	83	84	84	85					
600	949	RPM	3263	3348									
		BHP	0.62	0.67									
		LwiA	84	84									

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07 USF-200/300

Wheel Diameter	10.5 in. 267 mm
Outlet Area	0.63 ft ² 0.06 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/3099) ³ (RPM/3417) ³
Maximum RPM	3371
Tip Speed	RPM x 2.75 ft/min. RPM x 0.014 m/s

Imperial data - Metric data



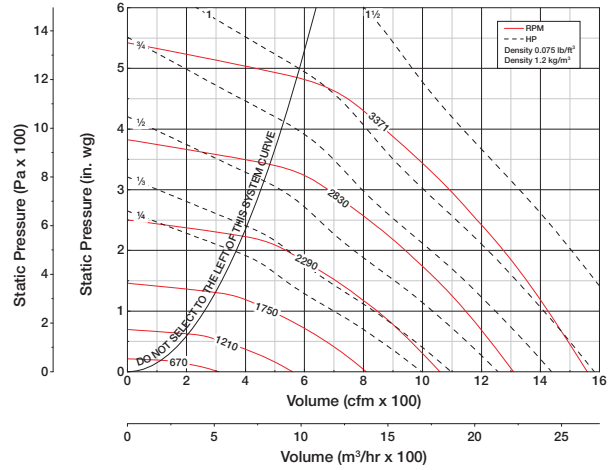
CFM	OV		Static Pressure in Inches wg											
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5		
200	316	RPM	1098	1458										
		BHP	0.043	0.097										
		LwiA	63	69										
275	435	RPM	1233	1542	1805	2057								
		BHP	0.063	0.12	0.19	0.27								
		LwiA	66	70	73	76								
350	554	RPM	1395	1669	1908	2124	2327	2527						
		BHP	0.091	0.16	0.23	0.31	0.4	0.5						
		LwiA	70	72	75	77	79	81						
425	672	RPM	1554	1822	2037	2234	2424	2596	2760	2932	3093			
		BHP	0.13	0.2	0.28	0.37	0.46	0.56	0.67	0.79	0.92			
		LwiA	73	75	77	79	80	82	84	85	86			
500	791	RPM	1742	1983	2187	2370	2541	2706	2863	3011	3150	3293		
		BHP	0.17	0.26	0.35	0.44	0.55	0.65	0.76	0.88	1	1.13		
		LwiA	76	78	79	81	82	84	85	86	87	88		
575	910	RPM	1939	2135	2352	2520	2679	2833	2977	3121	3259			
		BHP	0.24	0.33	0.44	0.54	0.64	0.76	0.88	1	1.13			
		LwiA	79	80	82	83	84	86	86	87	88			
650	1028	RPM	2144	2319	2504	2685	2833	2972	3114	3246				
		BHP	0.32	0.41	0.53	0.65	0.76	0.88	1.01	1.14				
		LwiA	82	83	84	85	86	87	88	88				
725	1147	RPM	2351	2509	2665	2840	2998	3132	3257					
		BHP	0.42	0.52	0.63	0.77	0.9	1.03	1.16					
		LwiA	84	85	86	87	88	88	89					
800	1266	RPM	2562	2707	2851	2992	3154	3297						
		BHP	0.54	0.65	0.77	0.9	1.05	1.2						
		LwiA	87	88	88	89	89	90						
875	1384	RPM	2779	2910	3040	3170	3306							
		BHP	0.68	0.8	0.93	1.06	1.21							
		LwiA	89	89	90	90	91							
950	1503	RPM	2996	3116	3236	3357								
		BHP	0.85	0.97	1.11	1.25								
		LwiA	90	91	91	91								

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08 USF-200/300

Wheel Diameter	10.5 in. 267 mm
Outlet Area	0.63 ft ² 0.06 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/3242) ³ (RPM/3574) ³
Maximum RPM	3371
Tip Speed	RPM x 2.75 ft/min. RPM x 0.014 m/s

Imperial data - Metric data



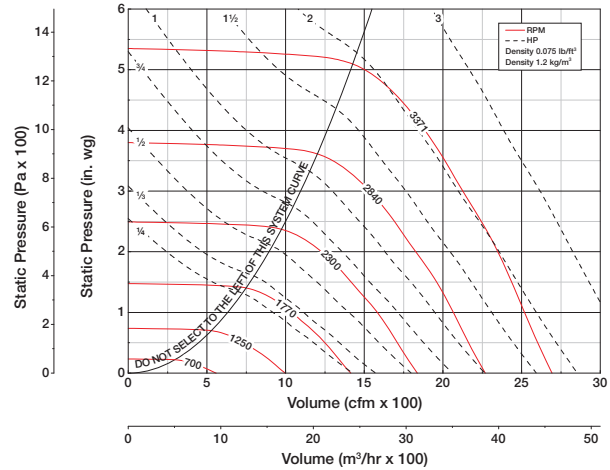
CFM	OV		Static Pressure in Inches wg										
			0.5	0.75	1	1.5	2	2.5	3	3.5	4	4.5	
300	475	RPM	1183	1372	1558								
		BHP	0.047	0.069	0.098								
		LwiA	65	67	69								
400	633	RPM	1311	1488	1646	1926	2189						
		BHP	0.066	0.094	0.12	0.19	0.27						
		LwiA	67	68	70	73	76						
500	791	RPM	1460	1619	1767	2027	2252	2477	2687	2880			
		BHP	0.09	0.12	0.16	0.23	0.31	0.4	0.5	0.6			
		LwiA	68	70	71	74	75	78	80	82			
600	949	RPM	1623	1769	1903	2148	2367	2565	2745	2936	3115	3284	
		BHP	0.12	0.16	0.2	0.29	0.37	0.46	0.55	0.67	0.78	0.9	
		LwiA	71	72	74	75	77	78	80	82	83	85	
700	1107	RPM	1798	1930	2054	2280	2490	2680	2858	3023	3177	3340	
		BHP	0.16	0.2	0.25	0.35	0.44	0.55	0.65	0.75	0.86	0.99	
		LwiA	74	75	76	77	78	79	80	82	83	84	
800	1266	RPM	1981	2099	2215	2428	2622	2807	2976	3138	3291		
		BHP	0.21	0.26	0.31	0.42	0.53	0.64	0.75	0.87	0.99		
		LwiA	76	77	77	78	79	80	81	82	83		
900	1424	RPM	2173	2280	2382	2583	2768	2939	3105	3261			
		BHP	0.28	0.33	0.38	0.5	0.62	0.74	0.87	1			
		LwiA	78	79	79	80	81	82	83	83			
1000	1582	RPM	2369	2464	2561	2746	2921	3085	3238				
		BHP	0.36	0.41	0.47	0.59	0.72	0.85	0.99				
		LwiA	80	80	81	82	83	83	84				
1100	1740	RPM	2568	2656	2744	2913	3081	3237					
		BHP	0.45	0.51	0.57	0.7	0.84	0.98					
		LwiA	81	82	83	84	84	85					
1200	1898	RPM	2769	2852	2931	3092	3246						
		BHP	0.56	0.62	0.69	0.83	0.97						
		LwiA	83	84	84	85	86						
1300	2057	RPM	2973	3051	3126	3274							
		BHP	0.69	0.75	0.82	0.97							
		LwiA	85	86	86	87							

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10 USF-200/300

Wheel Diameter	10.5 in. 267 mm
Outlet Area	0.63 ft ² 0.06 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/2649) ³ (RPM/2921) ³
Maximum RPM	3371
Tip Speed	RPM x 2.75 ft/min. RPM x 0.014 m/s

Imperial data - Metric data



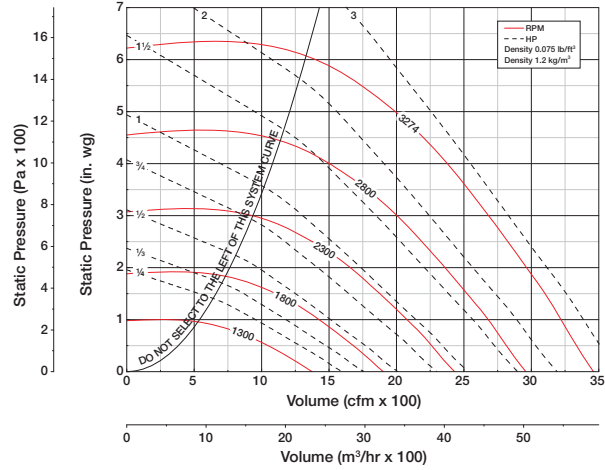
CFM	OV		Static Pressure in Inches wg												
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5			
650	1032	RPM	1179	1507	1814										
		BHP	0.088	0.17	0.28										
		LwiA	65	68	71										
800	1270	RPM	1311	1584	1846	2106	2334								
		BHP	0.12	0.21	0.31	0.44	0.58								
		LwiA	67	69	72	75	77								
950	1508	RPM	1456	1693	1921	2138	2366	2572	2762						
		BHP	0.16	0.26	0.37	0.49	0.64	0.8	0.96						
		LwiA	69	71	73	75	77	79	80						
1100	1746	RPM	1607	1825	2021	2220	2401	2604	2794	2971	3137				
		BHP	0.22	0.33	0.44	0.57	0.7	0.87	1.05	1.23	1.42				
		LwiA	71	73	74	76	78	79	80	81	83				
1250	1984	RPM	1770	1968	2147	2317	2495	2658	2826	3003	3169	3326			
		BHP	0.28	0.41	0.53	0.67	0.81	0.96	1.13	1.33	1.53	1.73			
		LwiA	73	75	76	78	79	79	81	82	83	84			
1400	2222	RPM	1938	2114	2285	2442	2593	2752	2902	3042	3201	3358			
		BHP	0.37	0.5	0.64	0.78	0.94	1.1	1.27	1.44	1.64	1.86			
		LwiA	76	77	78	79	80	80	81	82	83	84			
1550	2460	RPM	2112	2267	2429	2575	2718	2854	2997	3136	3267				
		BHP	0.47	0.61	0.76	0.92	1.08	1.25	1.43	1.61	1.8				
		LwiA	78	79	79	80	81	82	82	83	84				
1700	2698	RPM	2288	2429	2575	2718	2848	2979	3104	3231	3361				
		BHP	0.58	0.74	0.9	1.07	1.24	1.42	1.61	1.8	2				
		LwiA	80	80	81	81	82	83	83	84	85				
1850	2937	RPM	2465	2594	2724	2863	2990	3108	3229	3345					
		BHP	0.72	0.89	1.06	1.25	1.43	1.61	1.81	2.01					
		LwiA	81	81	82	83	83	84	85	85					
2000	3175	RPM	2644	2764	2886	3010	3135	3250	3359						
		BHP	0.88	1.06	1.24	1.44	1.64	1.84	2.04						
		LwiA	83	83	83	84	85	85	86						
2150	3413	RPM	2824	2938	3049	3161	3280								
		BHP	1.06	1.26	1.45	1.65	1.87								
		LwiA	84	84	85	85	86								

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12 USF-200/300

Wheel Diameter	12.25 in. 311 mm
Outlet Area	0.86 ft ² 0.08 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/2347) ³ (RPM/2588) ³
Maximum RPM	3274
Tip Speed	RPM x 3.21 ft/min. RPM x 0.016 m/s

Imperial data - Metric data



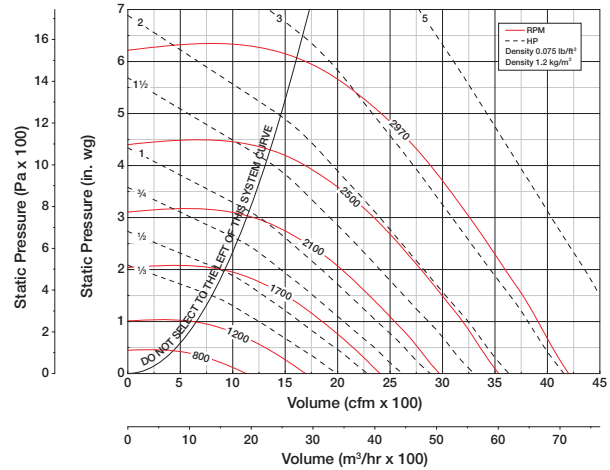
CFM	OV	Static Pressure in Inches wg											
		0.5	1	1.5	2	2.5	3	3.5	4	5	5.5		
750	872	RPM	1102	1402	1653								
		BHP	0.1	0.19	0.3								
		LwiA / LwoA	64 / 69	71 / 73	76 / 77								
1000	1163	RPM	1268	1526	1751	1958	2142	2323					
		BHP	0.16	0.27	0.38	0.52	0.65	0.81					
		LwiA / LwoA	69 / 73	72 / 76	76 / 78	79 / 81	81 / 83	83 / 86					
1250	1453	RPM	1453	1680	1882	2070	2244	2409	2561	2706	2990		
		BHP	0.24	0.36	0.5	0.65	0.8	0.97	1.13	1.31	1.72		
		LwiA / LwoA	72 / 77	75 / 79	77 / 81	79 / 83	81 / 85	83 / 87	85 / 89	87 / 90	90 / 92		
1500	1744	RPM	1651	1855	2037	2205	2368	2518	2663	2804	3063	3184	
		BHP	0.35	0.49	0.65	0.81	0.98	1.16	1.35	1.54	1.94	2.15	
		LwiA / LwoA	76 / 81	77 / 83	79 / 84	81 / 86	82 / 87	84 / 89	86 / 90	87 / 91	89 / 92	91 / 92	
1750	2035	RPM	1858	2042	2208	2364	2506	2652	2789	2917	3165		
		BHP	0.49	0.66	0.83	1.01	1.2	1.4	1.6	1.81	2.24		
		LwiA / LwoA	79 / 85	80 / 86	81 / 87	83 / 89	84 / 90	85 / 91	86 / 91	87 / 92	90 / 92		
2000	2326	RPM	2070	2238	2392	2535	2673	2800	2925	3051			
		BHP	0.67	0.86	1.06	1.26	1.47	1.68	1.9	2.12			
		LwiA / LwoA	82 / 88	83 / 89	84 / 91	85 / 92	86 / 93	87 / 93	88 / 93	88 / 93			
2250	2616	RPM	2291	2440	2583	2718	2844	2968	3084	3194			
		BHP	0.9	1.11	1.33	1.55	1.78	2.01	2.25	2.49			
		LwiA / LwoA	85 / 92	86 / 93	87 / 94	88 / 94	88 / 94	89 / 94	89 / 95	90 / 95			
2500	2907	RPM	2514	2648	2782	2907	3027	3141	3253				
		BHP	1.19	1.41	1.65	1.9	2.15	2.4	2.65				
		LwiA / LwoA	88 / 96	89 / 97	89 / 96	89 / 96	90 / 96	90 / 96	91 / 96				
2750	3198	RPM	2740	2859	2984	3103	3215						
		BHP	1.53	1.77	2.03	2.3	2.57						
		LwiA / LwoA	90 / 98	90 / 98	91 / 98	91 / 98	91 / 98						
3000	3488	RPM	2967	3079	3192								
		BHP	1.94	2.2	2.47								
		LwiA / LwoA	92 / 100	92 / 99	93 / 99								
3250	3779	RPM	3196										
		BHP	2.42										
		LwiA / LwoA	94 / 101										

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13 USF-200/300

Wheel Diameter	13.5 in. 343 mm
Outlet Area	1.05 ft ² 0.10 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/1997) ³ (RPM/2202) ³
Maximum RPM	2970
Tip Speed	RPM x 3.53 ft/min. RPM x 0.018 m/s

Imperial data - Metric data



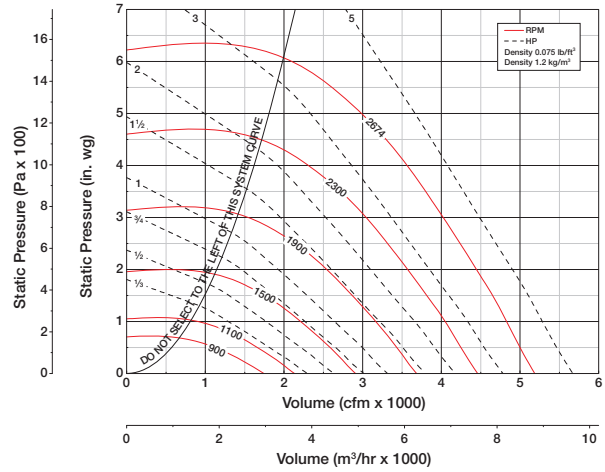
CFM	OV		Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	5	5.5	
1000	952	RPM	1041	1300	1523	1723							
		BHP	0.14	0.26	0.39	0.54							
		LwiA / LwoA	66 / 70	72 / 74	76 / 77	79 / 81							
1250	1190	RPM	1169	1399	1601	1788	1954	2115	2266				
		BHP	0.2	0.33	0.48	0.64	0.81	1	1.21				
		LwiA / LwoA	70 / 74	73 / 76	76 / 79	79 / 81	82 / 84	84 / 86	86 / 89				
1500	1429	RPM	1308	1516	1701	1871	2030	2180	2319	2452	2710		
		BHP	0.28	0.43	0.6	0.77	0.96	1.16	1.36	1.58	2.07		
		LwiA / LwoA	73 / 77	75 / 79	78 / 81	80 / 83	82 / 85	84 / 87	86 / 89	88 / 91	90 / 92		
1750	1667	RPM	1456	1644	1813	1971	2121	2257	2395	2523	2758	2873	
		BHP	0.38	0.56	0.74	0.93	1.14	1.35	1.57	1.8	2.28	2.54	
		LwiA / LwoA	75 / 81	77 / 82	79 / 84	81 / 85	83 / 87	85 / 89	86 / 90	88 / 91	90 / 92	91 / 93	
2000	1905	RPM	1608	1782	1939	2083	2221	2356	2481	2600	2834	2943	
		BHP	0.52	0.71	0.91	1.12	1.34	1.57	1.81	2.05	2.57	2.84	
		LwiA / LwoA	78 / 84	79 / 85	81 / 86	83 / 88	84 / 89	85 / 91	87 / 92	88 / 92	90 / 93	91 / 93	
2250	2143	RPM	1764	1925	2071	2208	2336	2458	2581	2697	2911		
		BHP	0.68	0.89	1.12	1.35	1.58	1.83	2.08	2.35	2.89		
		LwiA / LwoA	81 / 87	81 / 88	83 / 89	84 / 90	86 / 92	87 / 93	88 / 93	88 / 93	90 / 94		
2500	2381	RPM	1925	2074	2210	2338	2461	2576	2684	2798			
		BHP	0.87	1.11	1.36	1.61	1.86	2.12	2.39	2.67			
		LwiA / LwoA	83 / 89	84 / 90	85 / 91	87 / 93	88 / 94	88 / 94	89 / 94	89 / 94			
2750	2619	RPM	2090	2225	2355	2476	2590	2702	2807	2907			
		BHP	1.11	1.37	1.64	1.91	2.18	2.47	2.75	3.04			
		LwiA / LwoA	85 / 92	87 / 93	88 / 94	88 / 95	89 / 95	89 / 95	90 / 95	91 / 95			
3000	2857	RPM	2258	2380	2503	2616	2727	2831	2933				
		BHP	1.4	1.67	1.96	2.25	2.55	2.85	3.16				
		LwiA / LwoA	88 / 95	89 / 97	89 / 97	90 / 96	90 / 96	91 / 97	91 / 97				
3250	3095	RPM	2426	2537	2653	2763	2866	2967					
		BHP	1.73	2.01	2.32	2.64	2.96	3.28					
		LwiA / LwoA	90 / 98	91 / 98	91 / 98	91 / 98	92 / 98	92 / 98					
3500	3333	RPM	2596	2699	2807	2911							
		BHP	2.11	2.41	2.74	3.08							
		LwiA / LwoA	92 / 100	92 / 99	92 / 99	93 / 99							

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15 USF-200/300

Wheel Diameter	15 in. 381 mm
Outlet Area	1.29 ft ² 0.12 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/1675) ³ (RPM/1847) ³
Maximum RPM	2674
Tip Speed	RPM x 3.93 ft/min. RPM x 0.020 m/s

Imperial data - Metric data



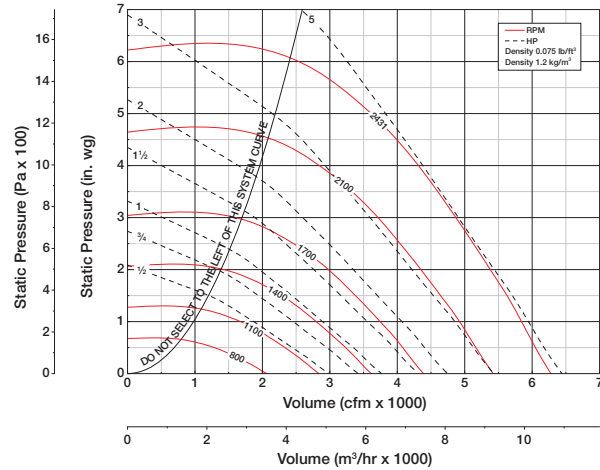
CFM	OV	Static Pressure in Inches wg											
		0.5	1	1.5	2	2.5	3	3.5	4	5	5.5		
1000	775	RPM	863	1118	1334								
		BHP	0.13	0.26	0.42								
		LwiA / LwoA	64 / 69	73 / 73	77 / 77								
1350	1047	RPM	979	1202	1396	1566	1730						
		BHP	0.2	0.35	0.52	0.7	0.92						
		LwiA / LwoA	68 / 72	73 / 75	76 / 78	80 / 81	82 / 84						
1700	1318	RPM	1115	1309	1486	1644	1793	1929	2060	2187			
		BHP	0.3	0.47	0.67	0.87	1.09	1.33	1.58	1.86			
		LwiA / LwoA	72 / 76	74 / 78	77 / 80	80 / 83	82 / 85	84 / 87	86 / 89	88 / 91			
2050	1589	RPM	1262	1437	1592	1741	1877	2006	2130	2246	2464	2572	
		BHP	0.43	0.63	0.85	1.08	1.32	1.58	1.85	2.12	2.71	3.04	
		LwiA / LwoA	75 / 80	77 / 81	79 / 83	81 / 85	83 / 86	85 / 88	87 / 90	88 / 91	91 / 93	92 / 93	
2400	1860	RPM	1416	1575	1719	1850	1979	2100	2213	2324	2535	2633	
		BHP	0.6	0.83	1.08	1.33	1.6	1.88	2.16	2.46	3.09	3.41	
		LwiA / LwoA	78 / 83	79 / 85	81 / 86	83 / 87	84 / 89	86 / 90	87 / 92	88 / 92	91 / 93	92 / 94	
2750	2132	RPM	1575	1721	1853	1977	2092	2204	2315	2419	2613		
		BHP	0.81	1.08	1.36	1.64	1.93	2.23	2.54	2.86	3.53		
		LwiA / LwoA	81 / 87	82 / 88	83 / 89	85 / 90	86 / 91	87 / 93	88 / 93	89 / 93	91 / 94		
3100	2403	RPM	1739	1872	1995	2110	2220	2323	2420	2522			
		BHP	1.09	1.38	1.69	2	2.32	2.64	2.97	3.32			
		LwiA / LwoA	84 / 90	85 / 91	86 / 92	87 / 93	88 / 94	89 / 94	89 / 94	90 / 94			
3450	2674	RPM	1908	2027	2142	2251	2353	2452	2547	2636			
		BHP	1.43	1.75	2.09	2.43	2.77	3.13	3.49	3.85			
		LwiA / LwoA	86 / 93	87 / 94	88 / 95	89 / 95	90 / 95	90 / 96	91 / 96	91 / 96			
3800	2946	RPM	2079	2186	2294	2396	2493	2585					
		BHP	1.85	2.18	2.55	2.92	3.3	3.68					
		LwiA / LwoA	89 / 96	90 / 97	90 / 97	91 / 97	91 / 97	92 / 97					
4150	3217	RPM	2251	2347	2449	2545	2637						
		BHP	2.34	2.69	3.09	3.49	3.9						
		LwiA / LwoA	92 / 99	92 / 99	92 / 99	92 / 99	93 / 99						
4500	3488	RPM	2424	2515	2607								
		BHP	2.91	3.3	3.71								
		LwiA / LwoA	93 / 100	93 / 100	94 / 100								

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16 USF-200/300

Wheel Diameter	16.5 in. 419 mm
Outlet Area	1.57 ft ² 0.15 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/1429) ³ (RPM/1576) ³
Maximum RPM	2431
Tip Speed	RPM x 4.32 ft/min. RPM x 0.022 m/s

Imperial data - Metric data



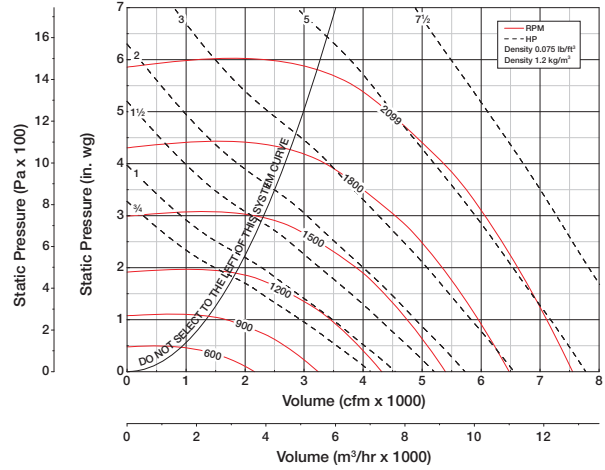
CFM	OV		Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	5	5.5	
1500	955	RPM	854	1065	1247	1410							
		BHP	0.21	0.38	0.58	0.81							
		LwiA / LwoA	67 / 71	73 / 74	77 / 78	80 / 81							
1900	1210	RPM	966	1152	1317	1468	1604	1733	1857				
		BHP	0.31	0.51	0.73	0.98	1.23	1.51	1.83				
		LwiA / LwoA	71 / 75	74 / 77	77 / 80	80 / 82	82 / 84	85 / 87	87 / 89				
2300	1465	RPM	1089	1256	1405	1544	1671	1794	1907	2012	2223	2320	
		BHP	0.44	0.68	0.92	1.19	1.47	1.77	2.08	2.4	3.14	3.53	
		LwiA / LwoA	74 / 78	76 / 80	79 / 82	81 / 84	83 / 86	85 / 87	87 / 89	89 / 91	91 / 93	93 / 93	
2700	1720	RPM	1219	1371	1507	1632	1754	1865	1974	2078	2271	2360	
		BHP	0.62	0.88	1.16	1.46	1.77	2.09	2.42	2.77	3.5	3.88	
		LwiA / LwoA	77 / 82	78 / 83	80 / 85	82 / 86	84 / 88	86 / 89	87 / 91	89 / 92	91 / 93	92 / 93	
3100	1975	RPM	1354	1492	1618	1735	1843	1953	2054	2150	2337	2426	
		BHP	0.84	1.14	1.45	1.77	2.11	2.46	2.82	3.19	3.98	4.38	
		LwiA / LwoA	80 / 85	81 / 86	82 / 87	84 / 89	85 / 90	87 / 91	88 / 92	89 / 93	91 / 93	92 / 94	
3500	2229	RPM	1491	1620	1737	1846	1949	2044	2143	2237	2411		
		BHP	1.11	1.45	1.8	2.15	2.52	2.89	3.28	3.68	4.51		
		LwiA / LwoA	82 / 88	83 / 89	84 / 90	86 / 91	87 / 93	88 / 93	89 / 93	90 / 94	92 / 94		
3900	2484	RPM	1635	1751	1860	1963	2060	2153	2240	2326			
		BHP	1.46	1.82	2.21	2.59	2.99	3.39	3.81	4.23			
		LwiA / LwoA	85 / 91	86 / 92	87 / 93	88 / 94	89 / 94	90 / 95	90 / 95	91 / 95			
4300	2739	RPM	1781	1886	1988	2085	2176	2265	2350	2431			
		BHP	1.87	2.26	2.68	3.11	3.53	3.97	4.42	4.87			
		LwiA / LwoA	87 / 94	88 / 95	89 / 96	90 / 96	90 / 96	91 / 96	92 / 96	92 / 96			
4700	2994	RPM	1928	2023	2119	2211	2298	2381					
		BHP	2.37	2.78	3.23	3.69	4.16	4.63					
		LwiA / LwoA	90 / 97	91 / 98	91 / 97	91 / 97	92 / 97	92 / 97					
5100	3248	RPM	2076	2163	2253	2340	2422						
		BHP	2.95	3.39	3.87	4.36	4.87						
		LwiA / LwoA	92 / 99	92 / 99	93 / 99	93 / 99	93 / 99						
5500	3503	RPM	2225	2307	2389								
		BHP	3.63	4.09	4.59								
		LwiA / LwoA	94 / 100	94 / 100	94 / 100								

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18 USF-200/300

Wheel Diameter	18.25 in. 464 mm
Outlet Area	1.92 ft ² 0.18 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/1330) ³ (RPM/1330) ³
Maximum RPM	2099
Tip Speed	RPM x 4.78 ft/min. RPM x 0.024 m/s

Imperial data - Metric data



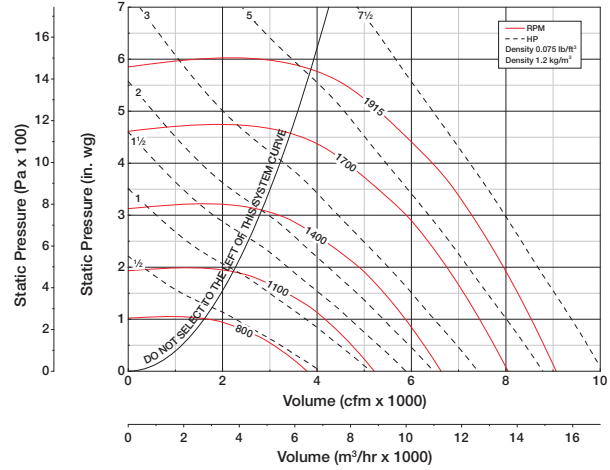
CFM	OV		Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	5	5.5	
2000	1042	RPM	761	942	1096	1241							
		BHP	0.25	0.44	0.66	0.9							
		LwiA / LwoA	68 / 72	73 / 76	76 / 78	79 / 80							
2500	1302	RPM	862	1020	1161	1289	1408	1523					
		BHP	0.36	0.59	0.84	1.1	1.38	1.68					
		LwiA / LwoA	72 / 76	76 / 78	78 / 81	80 / 82	82 / 84	84 / 85					
3000	1563	RPM	976	1108	1238	1358	1468	1571	1669	1768	1949		
		BHP	0.52	0.78	1.05	1.35	1.65	1.97	2.31	2.67	3.43		
		LwiA / LwoA	77 / 80	78 / 81	80 / 83	82 / 85	84 / 86	85 / 87	87 / 88	88 / 89	91 / 91		
3500	1823	RPM	1096	1211	1324	1436	1540	1636	1731	1819	1988	2072	
		BHP	0.73	1.01	1.32	1.65	1.99	2.34	2.7	3.07	3.86	4.29	
		LwiA / LwoA	80 / 83	82 / 85	83 / 85	84 / 87	86 / 88	87 / 89	88 / 90	89 / 91	91 / 92	92 / 93	
4000	2083	RPM	1220	1324	1424	1522	1620	1713	1801	1884	2045		
		BHP	0.99	1.31	1.64	2	2.37	2.76	3.15	3.55	4.39		
		LwiA / LwoA	84 / 86	84 / 87	85 / 88	86 / 89	88 / 90	89 / 91	90 / 92	91 / 92	92 / 93		
4500	2344	RPM	1348	1441	1531	1620	1706	1795	1878	1959			
		BHP	1.31	1.67	2.03	2.42	2.82	3.24	3.66	4.1			
		LwiA / LwoA	86 / 89	87 / 89	88 / 90	89 / 91	90 / 92	91 / 92	91 / 93	92 / 94			
5000	2604	RPM	1477	1562	1644	1724	1805	1881	1962	2039			
		BHP	1.7	2.1	2.5	2.91	3.34	3.79	4.25	4.72			
		LwiA / LwoA	89 / 91	89 / 91	90 / 92	91 / 93	92 / 93	92 / 94	93 / 94	93 / 95			
5500	2865	RPM	1608	1686	1762	1836	1908	1981	2051				
		BHP	2.18	2.61	3.05	3.49	3.95	4.43	4.92				
		LwiA / LwoA	91 / 93	92 / 94	92 / 94	93 / 94	93 / 95	94 / 95	94 / 96				
6000	3125	RPM	1741	1813	1883	1951	2019	2085					
		BHP	2.74	3.21	3.69	4.16	4.65	5.15					
		LwiA / LwoA	93 / 95	94 / 95	94 / 96	94 / 96	95 / 96	95 / 97					
6500	3385	RPM	1874	1941	2006	2071							
		BHP	3.4	3.9	4.42	4.93							
		LwiA / LwoA	95 / 97	95 / 97	95 / 98	96 / 98							
7000	3646	RPM	2009	2071									
		BHP	4.16	4.7									
		LwiA / LwoA	96 / 99	97 / 99									

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20 USF-200/300

Wheel Diameter	20 in. 508 mm
Outlet Area	2.3 ft ² 0.21 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/1035) ³ (RPM/1141) ³
Maximum RPM	1915
Tip Speed	RPM x 5.24 ft/min. RPM x 0.027 m/s

Imperial data - Metric data



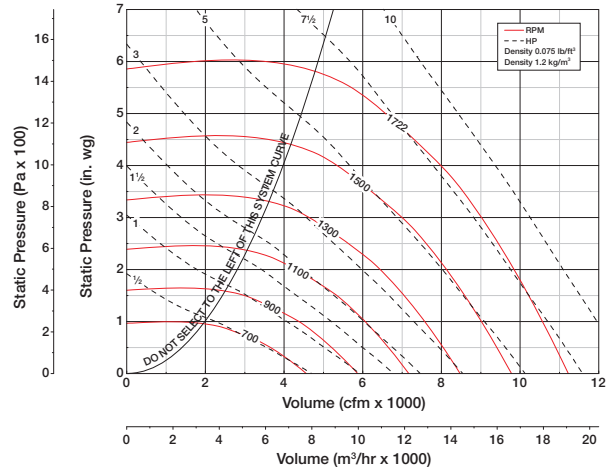
CFM	OV		Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	5	5.5	
2500	1087	RPM	708	870	1009	1138							
		BHP	0.32	0.56	0.82	1.12							
		LwiA / LwoA	69 / 73	74 / 76	76 / 79	79 / 81							
3000	1304	RPM	786	930	1059	1176	1285	1390					
		BHP	0.44	0.71	1	1.32	1.65	2.02					
		LwiA / LwoA	73 / 76	76 / 79	78 / 81	80 / 82	82 / 84	84 / 86					
3500	1522	RPM	872	996	1117	1227	1329	1424	1517	1607			
		BHP	0.59	0.89	1.22	1.56	1.92	2.3	2.71	3.14			
		LwiA / LwoA	76 / 79	78 / 81	80 / 83	82 / 84	84 / 86	85 / 87	87 / 88	89 / 90			
4000	1739	RPM	962	1073	1181	1285	1382	1473	1559	1640	1802	1878	
		BHP	0.78	1.11	1.47	1.85	2.24	2.65	3.07	3.5	4.46	4.96	
		LwiA / LwoA	79 / 82	81 / 84	82 / 85	84 / 86	85 / 87	87 / 89	88 / 90	89 / 91	91 / 92	93 / 93	
4500	1957	RPM	1055	1156	1252	1348	1440	1527	1609	1689	1836	1909	
		BHP	1.02	1.38	1.77	2.18	2.61	3.05	3.5	3.97	4.93	5.44	
		LwiA / LwoA	82 / 85	83 / 86	84 / 87	86 / 88	87 / 89	89 / 90	90 / 92	91 / 92	92 / 93	93 / 93	
5000	2174	RPM	1151	1242	1330	1416	1504	1586	1666	1741	1885		
		BHP	1.3	1.7	2.11	2.55	3.02	3.49	3.98	4.47	5.5		
		LwiA / LwoA	85 / 87	85 / 88	86 / 88	87 / 89	89 / 91	90 / 92	91 / 93	92 / 93	93 / 94		
5500	2391	RPM	1249	1332	1413	1493	1569	1650	1726	1799			
		BHP	1.64	2.08	2.52	2.99	3.48	3.99	4.51	5.04			
		LwiA / LwoA	87 / 89	88 / 90	88 / 90	89 / 91	91 / 92	92 / 93	92 / 94	93 / 94			
6000	2609	RPM	1347	1424	1500	1573	1646	1716	1790	1860			
		BHP	2.04	2.52	3	3.49	4.01	4.55	5.1	5.67			
		LwiA / LwoA	89 / 91	90 / 92	90 / 92	91 / 93	92 / 94	93 / 94	93 / 95	94 / 95			
6500	2826	RPM	1446	1518	1589	1658	1724	1792	1856				
		BHP	2.51	3.02	3.54	4.06	4.6	5.17	5.75				
		LwiA / LwoA	91 / 93	92 / 93	93 / 94	93 / 95	93 / 95	94 / 95	94 / 96				
7000	3043	RPM	1547	1614	1680	1744	1808	1870					
		BHP	3.05	3.6	4.15	4.71	5.28	5.87					
		LwiA / LwoA	93 / 95	94 / 95	94 / 96	94 / 96	95 / 96	95 / 97					
7500	3261	RPM	1648	1711	1773	1834	1893						
		BHP	3.66	4.25	4.84	5.44	6.04						
		LwiA / LwoA	95 / 97	95 / 97	95 / 97	96 / 98	96 / 98						

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22 USF-200/300

Wheel Diameter	22.25 in. 565 mm
Outlet Area	2.85 ft ² 0.26 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/867) ³ (RPM/956) ³
Maximum RPM	1722
Tip Speed	RPM x 5.83 ft/min. RPM x 0.030 m/s

Imperial data - Metric data



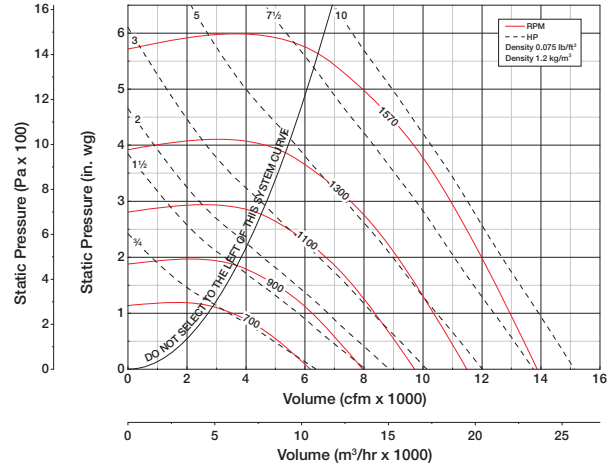
CFM	OV	Static Pressure in Inches wg											
		0.5	1	1.5	2	2.5	3	3.5	4	5	5.5		
3000	1053	RPM	627	775	901	1019							
		BHP	0.38	0.67	0.98	1.35							
		LwiA / LwoA	69 / 72	73 / 76	77 / 78	80 / 81							
3750	1316	RPM	711	839	955	1060	1156	1251	1338				
		BHP	0.55	0.89	1.26	1.65	2.06	2.52	3				
		LwiA / LwoA	73 / 76	76 / 78	79 / 81	81 / 83	83 / 84	85 / 86	87 / 88				
4500	1579	RPM	805	914	1019	1117	1207	1292	1371	1452	1600		
		BHP	0.79	1.17	1.59	2.03	2.48	2.96	3.45	4	5.14		
		LwiA / LwoA	77 / 80	79 / 82	81 / 84	83 / 85	85 / 86	86 / 88	88 / 89	89 / 90	92 / 92		
5250	1842	RPM	905	999	1091	1182	1267	1346	1423	1495	1633	1701	
		BHP	1.1	1.53	1.99	2.48	2.99	3.51	4.05	4.61	5.78	6.42	
		LwiA / LwoA	81 / 83	82 / 85	84 / 86	85 / 87	87 / 88	88 / 90	89 / 91	90 / 91	92 / 93	93 / 93	
6000	2105	RPM	1008	1092	1174	1253	1334	1409	1481	1549	1681		
		BHP	1.5	1.98	2.48	3.01	3.57	4.15	4.74	5.34	6.59		
		LwiA / LwoA	85 / 87	85 / 87	86 / 88	87 / 89	89 / 90	90 / 92	91 / 92	92 / 93	93 / 94		
6750	2368	RPM	1114	1190	1263	1335	1405	1478	1546	1612			
		BHP	1.99	2.53	3.07	3.65	4.25	4.88	5.51	6.17			
		LwiA / LwoA	87 / 89	88 / 90	89 / 90	90 / 91	91 / 92	92 / 93	92 / 94	93 / 94			
7500	2632	RPM	1221	1290	1357	1423	1488	1550	1616	1679			
		BHP	2.59	3.19	3.78	4.4	5.05	5.71	6.41	7.11			
		LwiA / LwoA	90 / 92	90 / 92	91 / 93	92 / 93	92 / 94	93 / 95	94 / 95	94 / 96			
8250	2895	RPM	1330	1393	1455	1515	1574	1634	1690				
		BHP	3.31	3.97	4.62	5.28	5.96	6.68	7.41				
		LwiA / LwoA	92 / 94	93 / 94	93 / 95	94 / 95	94 / 96	94 / 96	95 / 97				
9000	3158	RPM	1440	1498	1555	1611	1666	1720					
		BHP	4.17	4.88	5.59	6.31	7.04	7.78					
		LwiA / LwoA	94 / 96	95 / 96	95 / 97	95 / 97	96 / 98	96 / 98					
9750	3421	RPM	1550	1605	1657	1710							
		BHP	5.18	5.93	6.71	7.48							
		LwiA / LwoA	96 / 98	96 / 98	96 / 99	97 / 99							
10500	3684	RPM	1662	1712									
		BHP	6.34	7.14									
		LwiA / LwoA	97 / 100	98 / 100									

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24 USF-300

Wheel Diameter	24.5 in. 622 mm
Outlet Area	3.45 ft ² 0.32 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/750) ³ (RPM/827) ³
Maximum RPM	1570
Tip Speed	RPM x 6.41 ft/min. RPM x 0.033 m/s

Imperial data - Metric data



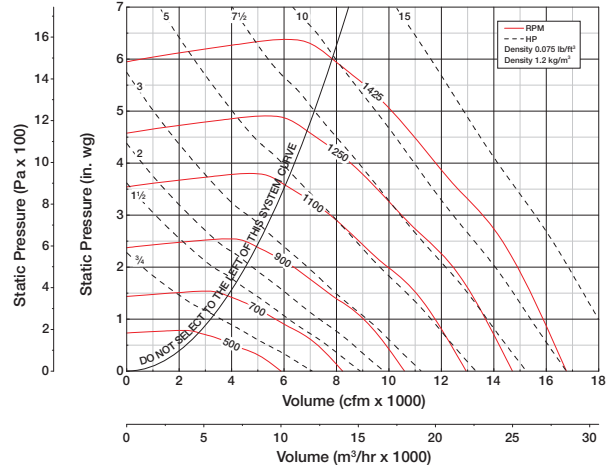
CFM	OV		Static Pressure in Inches wg											
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5		
4000	1159	RPM	601	728	842	943								
		BHP	0.51	0.89	1.32	1.76								
		LwiA / LwoA	69 / 74	74 / 77	77 / 78	79 / 80								
4750	1377	RPM	667	778	883	978	1067	1148						
		BHP	0.69	1.12	1.58	2.09	2.61	3.14						
		LwiA / LwoA	73 / 77	76 / 78	79 / 79	80 / 81	82 / 83	83 / 85						
5500	1594	RPM	737	837	931	1020	1104	1183	1257	1326				
		BHP	0.93	1.39	1.9	2.44	3.02	3.62	4.23	4.85				
		LwiA / LwoA	75 / 79	78 / 80	81 / 81	82 / 83	83 / 85	84 / 86	86 / 88	87 / 90				
6250	1812	RPM	811	901	987	1069	1146	1222	1292	1361	1426	1487		
		BHP	1.21	1.72	2.27	2.86	3.48	4.13	4.8	5.48	6.17	6.88		
		LwiA / LwoA	78 / 81	80 / 82	82 / 83	83 / 85	85 / 86	86 / 88	87 / 90	88 / 91	88 / 91	90 / 92		
7000	2029	RPM	886	969	1046	1123	1196	1266	1334	1398	1461	1522		
		BHP	1.56	2.13	2.71	3.35	4.01	4.7	5.42	6.16	6.91	7.67		
		LwiA / LwoA	81 / 84	82 / 84	84 / 86	85 / 87	86 / 89	87 / 90	88 / 91	89 / 92	89 / 93	90 / 93		
7750	2246	RPM	963	1040	1112	1182	1249	1315	1379	1441	1501	1559		
		BHP	1.97	2.6	3.24	3.9	4.61	5.35	6.1	6.88	7.69	8.52		
		LwiA / LwoA	84 / 86	84 / 87	85 / 88	87 / 89	88 / 91	89 / 92	89 / 93	89 / 93	90 / 94	91 / 94		
8500	2464	RPM	1041	1113	1180	1244	1308	1369	1429	1489	1545			
		BHP	2.45	3.15	3.84	4.55	5.3	6.08	6.88	7.7	8.54			
		LwiA / LwoA	86 / 88	87 / 89	87 / 90	89 / 92	90 / 93	90 / 93	90 / 94	91 / 94	91 / 95			
9250	2681	RPM	1120	1188	1250	1311	1369	1428	1484	1539				
		BHP	3.02	3.78	4.54	5.29	6.07	6.89	7.74	8.61				
		LwiA / LwoA	88 / 90	89 / 91	90 / 93	91 / 94	91 / 94	91 / 95	91 / 95	92 / 96				
10000	2899	RPM	1200	1264	1323	1379	1435	1488	1543					
		BHP	3.68	4.5	5.33	6.13	6.96	7.8	8.7					
		LwiA / LwoA	90 / 93	91 / 94	92 / 95	92 / 95	92 / 96	92 / 96	93 / 96					
10750	3116	RPM	1280	1340	1397	1450	1502	1554						
		BHP	4.44	5.32	6.2	7.08	7.95	8.84						
		LwiA / LwoA	92 / 95	93 / 95	93 / 96	93 / 96	93 / 97	94 / 97						
11500	3333	RPM	1361	1418	1472	1523								
		BHP	5.3	6.24	7.18	8.13								
		LwiA / LwoA	94 / 96	94 / 97	94 / 97	94 / 98								

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. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power ratings (BHP/kW) do not include transmission losses. The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet, L_{wi}A, and outlet, L_{wO}A sound power levels for installation type B: Free inlet, Ducted outlet. Outlet ratings include the effects of duct end correction.

27 USF-300

Wheel Diameter	27 in. 686 mm
Outlet Area	4.19 ft ² 0.39 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	$(RPM/629)^3$ $(RPM/693)^3$
Maximum RPM	1425
Tip Speed	RPM x 7.07 ft/min. RPM x 0.036 m/s

Imperial data - Metric data



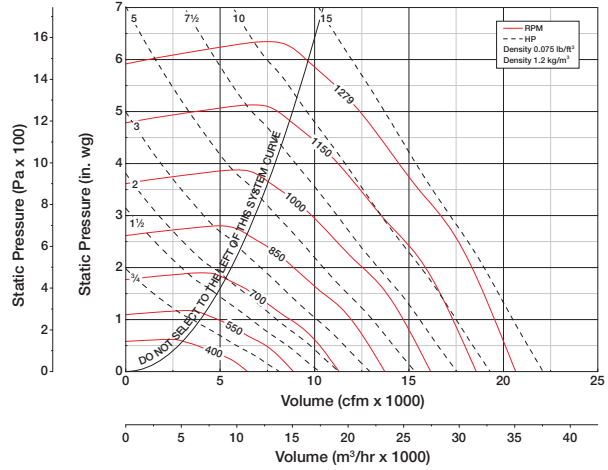
CFM	OV	Static Pressure in Inches wg													
		0.5	1	1.5	2	2.5	3	3.5	4	4.5	5				
5000	1193	RPM	551	663	756	841									
		BHP	0.66	1.1	1.57	2.08									
		LwiA / LwoA	72 / 73	75 / 76	76 / 78	78 / 80									
5900	1408	RPM	604	712	800	878	953	1022							
		BHP	0.89	1.4	1.92	2.48	3.07	3.69							
		LwiA / LwoA	74 / 76	76 / 78	78 / 79	79 / 81	81 / 83	83 / 85							
6800	1623	RPM	666	764	849	923	991	1058	1120	1179	1234				
		BHP	1.17	1.75	2.34	2.95	3.59	4.26	4.96	5.67	6.4				
		LwiA / LwoA	76 / 78	77 / 80	79 / 81	80 / 83	81 / 84	83 / 85	85 / 87	86 / 88	88 / 89				
7700	1838	RPM	731	815	900	971	1037	1098	1157	1215	1270	1322			
		BHP	1.53	2.17	2.83	3.5	4.19	4.91	5.65	6.43	7.22	8.02			
		LwiA / LwoA	78 / 80	79 / 81	80 / 83	81 / 84	83 / 85	84 / 86	85 / 88	86 / 89	87 / 90	89 / 91			
8600	2053	RPM	801	872	951	1022	1085	1145	1201	1253	1307	1358			
		BHP	1.97	2.65	3.4	4.14	4.88	5.66	6.45	7.26	8.11	8.97			
		LwiA / LwoA	80 / 82	80 / 83	81 / 85	83 / 86	84 / 87	85 / 88	86 / 89	87 / 90	88 / 91	89 / 92			
9500	2267	RPM	871	934	1003	1074	1136	1194	1248	1299	1348	1395			
		BHP	2.51	3.23	4.03	4.86	5.67	6.5	7.35	8.21	9.1	10			
		LwiA / LwoA	82 / 84	82 / 85	83 / 86	84 / 87	85 / 88	86 / 89	87 / 90	88 / 91	89 / 92	90 / 93			
10400	2482	RPM	942	997	1059	1125	1188	1244	1297	1347	1395				
		BHP	3.14	3.9	4.76	5.66	6.56	7.45	8.35	9.27	10.22				
		LwiA / LwoA	84 / 86	84 / 87	85 / 88	86 / 89	87 / 90	88 / 91	89 / 92	90 / 93	90 / 94				
11300	2697	RPM	1014	1066	1121	1177	1239	1296	1348	1397					
		BHP	3.89	4.7	5.59	6.55	7.53	8.51	9.47	10.45					
		LwiA / LwoA	86 / 88	86 / 89	87 / 90	88 / 91	89 / 92	90 / 93	91 / 94	91 / 94					
12200	2912	RPM	1086	1135	1184	1236	1291	1347	1400						
		BHP	4.74	5.62	6.54	7.55	8.6	9.66	10.72						
		LwiA / LwoA	88 / 90	88 / 91	89 / 92	90 / 92	91 / 94	92 / 95	92 / 95						
13100	3126	RPM	1160	1205	1249	1298	1345	1399							
		BHP	5.72	6.67	7.62	8.68	9.78	10.91							
		LwiA / LwoA	90 / 92	90 / 93	91 / 94	92 / 95	93 / 95	93 / 96							
14000	3341	RPM	1234	1276	1317	1361	1407								
		BHP	6.84	7.85	8.87	9.94	11.1								
		LwiA / LwoA	92 / 94	93 / 95	93 / 96	94 / 96	94 / 97								

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30 USF-300

Wheel Diameter	30 in. 762 mm
Outlet Area	5.17 ft ² 0.48 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/527) ³ (RPM/581) ³
Maximum RPM	1279
Tip Speed	RPM x 7.85 ft/min. RPM x 0.040 m/s

Imperial data - Metric data



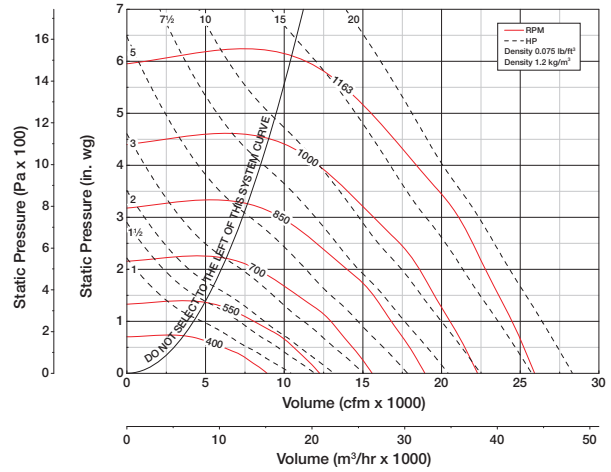
CFM	OV		Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	
7000	1354	RPM	531	630	709	782	849	911					
		BHP	1.02	1.62	2.25	2.93	3.65	4.39					
		LwiA / LwoA	75 / 76	77 / 78	79 / 80	80 / 82	82 / 83	83 / 85					
8000	1547	RPM	580	671	748	816	879	940	997	1050			
		BHP	1.31	2	2.69	3.42	4.19	5	5.83	6.69			
		LwiA / LwoA	77 / 78	78 / 80	80 / 82	81 / 83	82 / 84	84 / 86	86 / 87	87 / 88			
9000	1741	RPM	631	713	789	854	914	970	1026	1079	1128	1175	
		BHP	1.67	2.43	3.21	4	4.82	5.68	6.58	7.5	8.44	9.4	
		LwiA / LwoA	79 / 80	79 / 82	81 / 83	82 / 84	83 / 86	84 / 87	86 / 88	87 / 89	88 / 90	89 / 91	
10000	1934	RPM	686	755	831	894	953	1007	1057	1109	1158	1204	
		BHP	2.12	2.93	3.8	4.66	5.54	6.46	7.39	8.38	9.39	10.42	
		LwiA / LwoA	80 / 82	81 / 83	82 / 84	83 / 86	84 / 87	85 / 88	86 / 89	87 / 90	88 / 91	89 / 92	
11000	2128	RPM	742	804	872	936	993	1045	1095	1142	1188	1234	
		BHP	2.65	3.51	4.45	5.4	6.35	7.32	8.33	9.35	10.41	11.5	
		LwiA / LwoA	82 / 84	82 / 85	83 / 86	84 / 87	85 / 88	86 / 89	87 / 90	88 / 91	89 / 91	90 / 92	
12000	2321	RPM	799	855	914	978	1034	1085	1134	1180	1224	1266	
		BHP	3.28	4.18	5.19	6.23	7.26	8.3	9.36	10.45	11.56	12.69	
		LwiA / LwoA	83 / 86	84 / 86	84 / 87	85 / 89	86 / 89	87 / 90	88 / 91	89 / 92	90 / 93	91 / 93	
13000	2515	RPM	857	906	961	1019	1076	1127	1174	1219	1262		
		BHP	4	4.95	6.02	7.13	8.27	9.38	10.5	11.64	12.82		
		LwiA / LwoA	85 / 87	85 / 88	86 / 89	86 / 90	87 / 91	88 / 91	89 / 92	90 / 93	91 / 94		
14000	2708	RPM	915	962	1011	1061	1117	1169	1215	1259			
		BHP	4.84	5.85	6.96	8.13	9.35	10.57	11.76	12.97			
		LwiA / LwoA	86 / 89	87 / 90	87 / 90	88 / 91	89 / 92	90 / 93	91 / 94	91 / 94			
15000	2901	RPM	974	1018	1062	1109	1159	1210	1257				
		BHP	5.79	6.87	8.01	9.25	10.53	11.84	13.14				
		LwiA / LwoA	88 / 91	88 / 91	89 / 92	89 / 92	90 / 93	91 / 94	92 / 95				
16000	3095	RPM	1034	1075	1114	1159	1202	1252					
		BHP	6.86	8.02	9.19	10.49	11.83	13.22					
		LwiA / LwoA	90 / 92	90 / 93	90 / 93	91 / 94	92 / 95	92 / 96					
17000	3288	RPM	1093	1132	1170	1210	1252						
		BHP	8.07	9.31	10.54	11.86	13.27						
		LwiA / LwoA	91 / 94	92 / 94	92 / 95	93 / 95	93 / 96						

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33 USF-300

Wheel Diameter	33 in. 838 mm
Outlet Area	6.26 ft ² 0.58 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	$(RPM/445)^3$ $(RPM/491)^3$
Maximum RPM	1163
Tip Speed	RPM x 8.64 ft/min. RPM x 0.044 m/s

Imperial data - Metric data



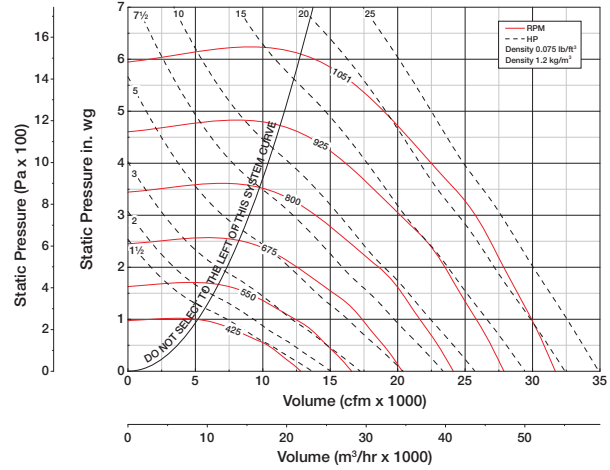
CFM	OV		Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	
7500	1198	RPM	440	535	615	686	756	821					
		BHP	0.96	1.61	2.31	3.09	3.94	4.86					
		LwiA / LwoA	71 / 73	74 / 75	76 / 78	78 / 81	81 / 83	83 / 85					
9000	1438	RPM	489	576	650	717	779	836	895	951	1004		
		BHP	1.32	2.09	2.87	3.71	4.62	5.57	6.6	7.68	8.8		
		LwiA / LwoA	74 / 76	76 / 78	78 / 80	79 / 82	81 / 83	82 / 85	85 / 87	87 / 89	89 / 91		
10500	1677	RPM	547	619	690	753	811	867	919	968	1018	1068	
		BHP	1.81	2.68	3.57	4.49	5.43	6.47	7.55	8.65	9.83	11.07	
		LwiA / LwoA	77 / 78	78 / 80	80 / 82	81 / 83	82 / 85	83 / 86	84 / 87	86 / 88	88 / 90	90 / 92	
12000	1917	RPM	606	666	733	794	849	901	950	999	1044	1088	
		BHP	2.42	3.36	4.41	5.41	6.46	7.53	8.66	9.86	11.09	12.34	
		LwiA / LwoA	80 / 81	80 / 82	82 / 84	83 / 85	84 / 86	85 / 88	86 / 88	87 / 89	88 / 90	89 / 91	
13500	2157	RPM	666	721	778	836	890	940	987	1031	1075	1118	
		BHP	3.17	4.21	5.34	6.5	7.64	8.81	10	11.21	12.52	13.87	
		LwiA / LwoA	82 / 85	83 / 85	84 / 85	85 / 87	86 / 88	86 / 89	87 / 90	88 / 91	89 / 91	90 / 92	
15000	2396	RPM	727	779	826	880	932	980	1026	1070	1111	1150	
		BHP	4.08	5.23	6.4	7.72	9	10.26	11.55	12.86	14.2	15.55	
		LwiA / LwoA	85 / 87	85 / 87	86 / 87	86 / 88	87 / 89	88 / 91	89 / 91	90 / 92	90 / 93	91 / 94	
16500	2636	RPM	789	838	882	927	976	1023	1067	1109	1150		
		BHP	5.16	6.44	7.7	9.05	10.51	11.91	13.29	14.69	16.13		
		LwiA / LwoA	87 / 89	87 / 89	88 / 89	88 / 90	89 / 91	90 / 92	91 / 93	91 / 93	92 / 94		
18000	2875	RPM	852	898	940	978	1023	1067	1110	1151			
		BHP	6.44	7.83	9.21	10.6	12.13	13.72	15.25	16.76			
		LwiA / LwoA	89 / 91	89 / 91	90 / 91	91 / 92	91 / 92	92 / 93	92 / 94	93 / 95			
19500	3115	RPM	916	958	998	1035	1070	1114	1154				
		BHP	7.94	9.42	10.94	12.42	13.95	15.65	17.37				
		LwiA / LwoA	91 / 93	92 / 93	92 / 94	92 / 94	93 / 94	93 / 94	94 / 95				
21000	3355	RPM	981	1019	1058	1093	1127	1161					
		BHP	9.67	11.25	12.89	14.49	16.1	17.78					
		LwiA / LwoA	93 / 95	94 / 95	94 / 95	94 / 95	95 / 96	95 / 96					
22500	3594	RPM	1046	1081	1117	1152							
		BHP	11.65	13.32	15.07	16.81							
		LwiA / LwoA	95 / 97	95 / 97	96 / 97	96 / 97							

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36 USF-300

Wheel Diameter	36.5 in. 927 mm
Outlet Area	7.66 ft ² 0.71 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/376) ³ (RPM/415) ³
Maximum RPM	1051
Tip Speed	RPM x 9.56 ft/min. RPM x 0.049 m/s

Imperial data - Metric data



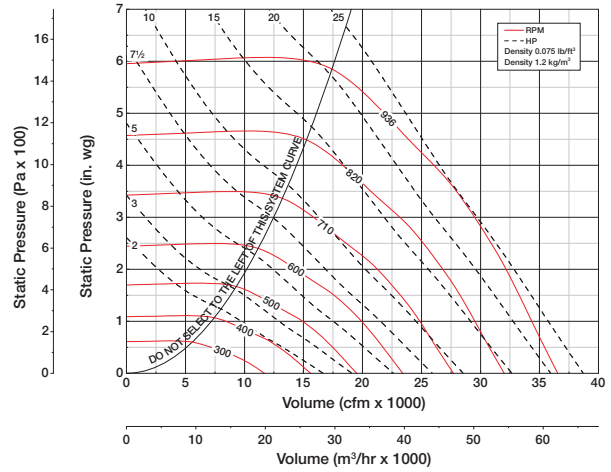
CFM	OV		Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	
7500	979	RPM	362	454	532	606							
		BHP	0.86	1.54	2.33	3.24							
		LwiA / LwoA	71 / 72	73 / 75	76 / 78	79 / 81							
9500	1240	RPM	405	490	561	625	685	745					
		BHP	1.25	2.06	2.94	3.9	4.95	6.09					
		LwiA / LwoA	73 / 75	75 / 77	77 / 79	79 / 81	81 / 84	84 / 86					
11500	1501	RPM	456	531	597	656	712	764	813	863	911		
		BHP	1.77	2.74	3.73	4.76	5.91	7.09	8.34	9.7	11.09		
		LwiA / LwoA	76 / 77	78 / 79	79 / 81	81 / 83	82 / 85	83 / 86	85 / 87	87 / 89	89 / 91		
13500	1762	RPM	513	575	638	694	745	794	841	885	926	970	
		BHP	2.46	3.56	4.72	5.87	7.07	8.35	9.7	11.1	12.52	14.05	
		LwiA / LwoA	79 / 80	80 / 81	81 / 83	83 / 85	84 / 86	85 / 87	86 / 88	87 / 89	88 / 90	90 / 92	
15500	2023	RPM	572	623	680	734	784	830	873	915	957	996	
		BHP	3.35	4.54	5.89	7.2	8.52	9.88	11.28	12.78	14.33	15.92	
		LwiA / LwoA	82 / 83	82 / 84	83 / 85	84 / 87	85 / 88	86 / 89	87 / 90	88 / 90	89 / 91	90 / 92	
17500	2285	RPM	631	680	727	777	825	869	911	951	988	1026	
		BHP	4.45	5.8	7.21	8.75	10.21	11.69	13.22	14.77	16.35	18.04	
		LwiA / LwoA	84 / 86	85 / 87	85 / 87	86 / 88	87 / 89	88 / 90	89 / 91	89 / 92	90 / 93	91 / 93	
19500	2546	RPM	692	738	778	823	867	910	951	989	1026		
		BHP	5.79	7.3	8.8	10.44	12.16	13.79	15.43	17.11	18.82		
		LwiA / LwoA	87 / 89	87 / 89	88 / 89	88 / 90	89 / 91	90 / 92	90 / 93	91 / 94	92 / 94		
21500	2807	RPM	754	796	835	870	913	953	992	1030			
		BHP	7.41	9.07	10.72	12.38	14.25	16.16	17.95	19.75			
		LwiA / LwoA	89 / 91	89 / 91	90 / 91	90 / 92	91 / 92	92 / 93	92 / 94	93 / 95			
23500	3068	RPM	817	855	892	926	959	999	1035				
		BHP	9.34	11.13	12.95	14.75	16.61	18.66	20.75				
		LwiA / LwoA	91 / 93	92 / 93	92 / 93	92 / 94	93 / 94	93 / 95	94 / 95				
25500	3329	RPM	881	916	951	983	1014	1045					
		BHP	11.6	13.52	15.5	17.45	19.41	21.47					
		LwiA / LwoA	93 / 95	94 / 95	94 / 95	95 / 96	95 / 96	95 / 96					
27500	3590	RPM	945	976	1010	1041							
		BHP	14.22	16.26	18.39	20.52							
		LwiA / LwoA	95 / 97	96 / 97	96 / 98	96 / 98							

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40 USF-300

Wheel Diameter	40.25 in. 1022 mm
Outlet Area	9.31 ft ² 0.86 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/321) ³ (RPM/354) ³
Maximum RPM	936
Tip Speed	RPM x 10.54 ft/min. RPM x 0.054 m/s

Imperial data - Metric data



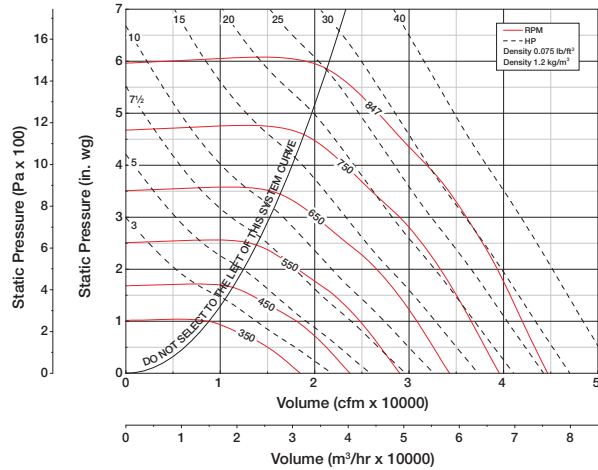
CFM	OV		Static Pressure in Inches wg												
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5			
12500	1343	RPM	391	460	521	575	625	671							
		BHP	1.8	2.85	3.92	5.06	6.29	7.56							
		LwiA / LwoA	71 / 73	74 / 75	76 / 77	78 / 80	79 / 82	81 / 85							
14250	1531	RPM	428	488	547	599	646	691	733						
		BHP	2.32	3.51	4.7	5.93	7.22	8.61	10.04						
		LwiA / LwoA	74 / 76	76 / 78	78 / 80	79 / 82	81 / 84	82 / 85	83 / 86						
16000	1719	RPM	466	521	575	625	670	712	754	793	829				
		BHP	2.95	4.25	5.6	6.95	8.34	9.76	11.3	12.88	14.49				
		LwiA / LwoA	76 / 79	78 / 80	79 / 82	81 / 84	83 / 86	83 / 87	84 / 87	85 / 88	86 / 89				
17750	1907	RPM	506	555	603	652	697	738	776	813	850	885			
		BHP	3.72	5.12	6.63	8.1	9.6	11.14	12.71	14.37	16.1	17.86			
		LwiA / LwoA	79 / 81	80 / 82	81 / 84	83 / 86	84 / 87	85 / 88	85 / 88	86 / 89	87 / 90	88 / 90			
19500	2095	RPM	547	592	636	680	724	764	802	837	871	905			
		BHP	4.63	6.14	7.75	9.4	11.02	12.67	14.36	16.08	17.83	19.71			
		LwiA / LwoA	81 / 84	82 / 85	83 / 87	85 / 88	85 / 88	86 / 89	87 / 90	87 / 90	88 / 91	89 / 92			
21250	2282	RPM	589	629	670	710	751	791	828	863	896	928			
		BHP	5.7	7.31	9.02	10.82	12.6	14.37	16.17	18.01	19.87	21.75			
		LwiA / LwoA	84 / 86	84 / 87	85 / 89	86 / 89	87 / 90	87 / 90	88 / 91	89 / 91	89 / 92	90 / 93			
23000	2470	RPM	631	668	706	744	780	818	855	889	922				
		BHP	6.94	8.65	10.47	12.37	14.34	16.25	18.17	20.11	22.09				
		LwiA / LwoA	86 / 89	87 / 90	87 / 90	87 / 90	88 / 91	89 / 91	89 / 92	90 / 93	91 / 93				
24750	2658	RPM	673	708	743	778	813	846	882	917					
		BHP	8.37	10.19	12.11	14.11	16.19	18.31	20.36	22.42					
		LwiA / LwoA	88 / 91	88 / 91	88 / 91	89 / 92	89 / 92	90 / 92	91 / 93	91 / 94					
26500	2846	RPM	716	749	781	814	847	879	910						
		BHP	9.98	11.93	13.95	16.06	18.24	20.48	22.74						
		LwiA / LwoA	89 / 92	90 / 93	90 / 93	90 / 93	91 / 93	91 / 94	92 / 94						
28250	3034	RPM	758	790	819	851	881	912							
		BHP	11.81	13.88	16	18.22	20.49	22.85							
		LwiA / LwoA	91 / 94	91 / 94	91 / 94	92 / 94	92 / 94	93 / 95							
30000	3222	RPM	801	832	860	889	918								
		BHP	13.85	16.06	18.29	20.6	22.99								
		LwiA / LwoA	92 / 95	93 / 95	93 / 95	93 / 96	94 / 96								

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44 USF-300

Wheel Diameter	44.5 in. 1130 mm
Outlet Area	11.38 ft ² 1.06 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	$(RPM/271)^3$ $(RPM/299)^3$
Maximum RPM	847
Tip Speed	RPM x 11.65 ft/min. RPM x 0.059 m/s

Imperial data - Metric data



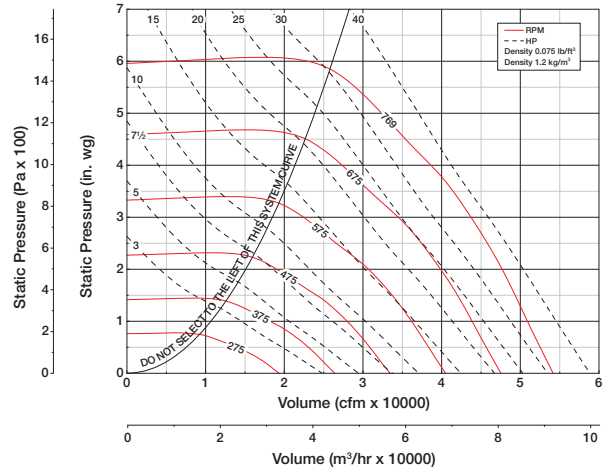
CFM	OV		Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	
15000	1318	RPM	350	413	468	517	563						
		BHP	2.12	3.38	4.67	6.06	7.55						
		LwiA / LwoA	72 / 74	74 / 76	76 / 78	78 / 80	80 / 82						
17000	1494	RPM	381	436	490	537	580	621	660				
		BHP	2.7	4.12	5.54	7.02	8.6	10.26	11.98				
		LwiA / LwoA	74 / 76	76 / 78	78 / 80	79 / 81	81 / 83	82 / 85	84 / 87				
19000	1670	RPM	413	463	513	559	600	639	677	712	745		
		BHP	3.39	4.95	6.54	8.15	9.81	11.55	13.4	15.29	17.22		
		LwiA / LwoA	76 / 79	78 / 80	80 / 81	81 / 83	82 / 85	84 / 87	85 / 88	86 / 89	87 / 90		
21000	1845	RPM	446	492	537	582	622	659	694	730	763	794	
		BHP	4.23	5.89	7.67	9.42	11.21	13.05	14.94	16.96	19.02	21.13	
		LwiA / LwoA	79 / 81	80 / 82	81 / 83	83 / 85	84 / 87	85 / 88	86 / 89	87 / 90	87 / 90	88 / 91	
23000	2021	RPM	481	522	563	605	645	682	716	748	780	811	
		BHP	5.21	6.99	8.91	10.85	12.77	14.74	16.74	18.78	20.95	23.19	
		LwiA / LwoA	81 / 83	82 / 84	83 / 85	84 / 87	85 / 89	86 / 90	87 / 90	88 / 91	88 / 91	89 / 92	
25000	2197	RPM	516	554	592	629	668	704	738	770	800	829	
		BHP	6.35	8.26	10.29	12.43	14.5	16.59	18.74	20.91	23.12	25.39	
		LwiA / LwoA	83 / 85	84 / 86	85 / 87	86 / 89	87 / 91	88 / 91	88 / 91	89 / 92	89 / 92	90 / 93	
27000	2373	RPM	551	585	621	657	692	727	761	792	822		
		BHP	7.67	9.69	11.85	14.11	16.4	18.64	20.9	23.22	25.56		
		LwiA / LwoA	85 / 87	86 / 88	86 / 89	87 / 91	88 / 92	89 / 92	89 / 92	90 / 93	90 / 93		
29000	2548	RPM	586	619	652	685	718	751	784	815	844		
		BHP	9.18	11.33	13.6	15.98	18.44	20.88	23.29	25.71	28.2		
		LwiA / LwoA	87 / 89	87 / 90	88 / 92	89 / 92	89 / 93	90 / 93	90 / 93	91 / 94	92 / 94		
31000	2724	RPM	622	653	684	715	746	775	807	838			
		BHP	10.89	13.18	15.56	18.04	20.64	23.29	25.87	28.45			
		LwiA / LwoA	89 / 92	89 / 93	90 / 93	90 / 93	90 / 94	91 / 94	92 / 94	92 / 95			
33000	2900	RPM	658	688	716	746	775	804	831				
		BHP	12.81	15.24	17.73	20.35	23.04	25.83	28.67				
		LwiA / LwoA	91 / 94	91 / 94	91 / 94	91 / 94	92 / 95	92 / 95	93 / 95				
35000	3076	RPM	695	723	749	777	804	832					
		BHP	14.96	17.53	20.15	22.88	25.69	28.6					
		LwiA / LwoA	92 / 95	92 / 95	92 / 95	93 / 95	93 / 96	93 / 96					

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49 USF-300

Wheel Diameter	49 in. 1245 mm
Outlet Area	13.8 ft ² 1.28 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/231) ³ (RPM/255) ³
Maximum RPM	769
Tip Speed	RPM x 12.83 ft/min. RPM x 0.065 m/s

Imperial data - Metric data



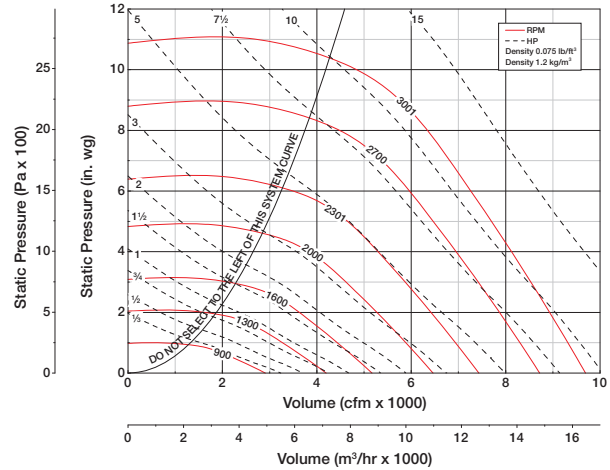
CFM	OV		Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	
20000	1449	RPM	339	391	440	483	523	560	595				
		BHP	3.08	4.76	6.44	8.2	10.09	12.07	14.11				
		LwiA / LwoA	74 / 77	76 / 78	78 / 80	80 / 81	81 / 83	83 / 85	84 / 87				
22500	1630	RPM	368	415	461	503	541	577	611	643			
		BHP	3.91	5.77	7.65	9.57	11.54	13.65	15.85	18.11			
		LwiA / LwoA	76 / 79	78 / 80	80 / 82	81 / 83	82 / 84	84 / 86	85 / 88	86 / 89			
25000	1812	RPM	398	442	483	524	561	595	628	660	690	718	
		BHP	4.91	6.92	9.03	11.11	13.26	15.45	17.74	20.17	22.64	25.16	
		LwiA / LwoA	79 / 81	80 / 82	82 / 83	83 / 84	84 / 86	85 / 87	86 / 89	87 / 91	88 / 91	89 / 92	
27500	1993	RPM	429	470	508	546	582	616	647	676	706	734	
		BHP	6.09	8.26	10.56	12.86	15.16	17.53	19.93	22.38	25.02	27.7	
		LwiA / LwoA	81 / 83	82 / 84	83 / 85	84 / 86	85 / 88	86 / 89	87 / 91	88 / 92	89 / 92	90 / 93	
30000	2174	RPM	461	499	534	568	604	637	668	696	724	751	
		BHP	7.46	9.8	12.25	14.81	17.3	19.81	22.39	25.01	27.66	30.43	
		LwiA / LwoA	83 / 85	84 / 86	85 / 87	86 / 88	87 / 89	88 / 91	89 / 92	89 / 93	90 / 93	91 / 93	
32500	2355	RPM	492	529	562	594	626	658	689	717	744		
		BHP	9.06	11.57	14.17	16.9	19.65	22.35	25.08	27.87	30.69		
		LwiA / LwoA	85 / 88	86 / 88	86 / 89	87 / 90	88 / 91	89 / 93	90 / 93	90 / 94	91 / 94		
35000	2536	RPM	524	559	591	621	650	680	710	738	765		
		BHP	10.89	13.58	16.34	19.21	22.19	25.13	28.03	30.97	33.96		
		LwiA / LwoA	87 / 89	88 / 90	88 / 91	89 / 92	90 / 93	91 / 94	91 / 94	92 / 95	92 / 95		
37500	2717	RPM	556	590	620	648	676	703	732	760			
		BHP	12.98	15.84	18.78	21.78	24.92	28.13	31.25	34.37			
		LwiA / LwoA	89 / 91	89 / 92	90 / 93	91 / 94	91 / 95	92 / 95	92 / 95	93 / 96			
40000	2899	RPM	589	621	650	677	703	730	754				
		BHP	15.33	18.38	21.48	24.66	27.93	31.3	34.74				
		LwiA / LwoA	90 / 93	91 / 94	92 / 95	92 / 96	92 / 96	93 / 96	93 / 96				
42500	3080	RPM	622	652	680	707	731	756					
		BHP	17.98	21.2	24.48	27.83	31.24	34.76					
		LwiA / LwoA	92 / 95	93 / 96	93 / 96	93 / 97	94 / 97	94 / 97					
45000	3261	RPM	655	684	711	736	760						
		BHP	20.93	24.33	27.79	31.31	34.89						
		LwiA / LwoA	94 / 97	94 / 97	94 / 97	95 / 98	95 / 98						

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18 USF-400 - AF

Wheel Diameter	18.25 in. 464 mm
Outlet Area	1.92 ft ² 0.18 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/1348) ³ (RPM/1486) ³
Maximum RPM	3001
Tip Speed	RPM x 4.78 ft/min. RPM x 0.024 m/s

Imperial data - Metric data



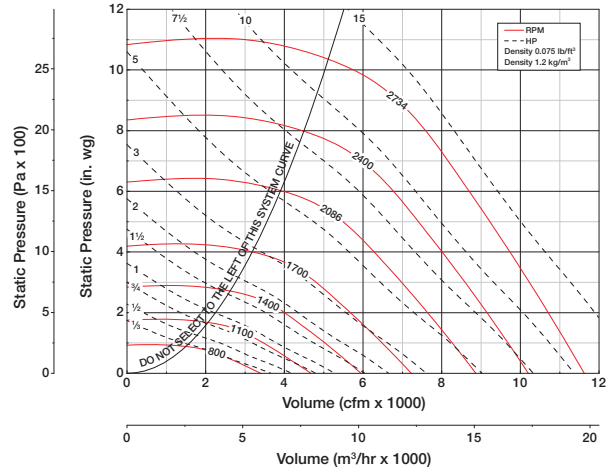
CFM	OV		Static Pressure in Inches wg										
			0.5	1	2	3	4	5	6	7	8	9	
2000	1042	RPM	843	1016	1330								
		BHP	0.24	0.42	0.88								
		LwiA / LwoA	68 / 72	71 / 74	78 / 81								
2600	1354	RPM	991	1139	1399	1642							
		BHP	0.38	0.6	1.1	1.69							
		LwiA / LwoA	73 / 76	75 / 78	79 / 81	83 / 84							
3200	1667	RPM	1149	1282	1511	1715	1914	2107					
		BHP	0.58	0.85	1.4	2.02	2.73	3.51					
		LwiA / LwoA	77 / 80	79 / 81	81 / 83	84 / 85	87 / 87	89 / 89					
3800	1979	RPM	1313	1433	1640	1827	1996	2168	2333	2494	2643		
		BHP	0.83	1.16	1.8	2.48	3.2	4.02	4.9	5.82	6.78		
		LwiA / LwoA	81 / 84	82 / 84	84 / 85	86 / 87	88 / 89	90 / 90	92 / 92	94 / 94	97 / 95		
4400	2292	RPM	1481	1591	1782	1951	2112	2257	2408	2551	2695	2836	
		BHP	1.17	1.54	2.28	3.03	3.82	4.65	5.57	6.54	7.56	8.62	
		LwiA / LwoA	84 / 87	85 / 87	87 / 88	89 / 89	90 / 90	91 / 91	93 / 93	95 / 94	97 / 96	98 / 97	
5000	2604	RPM	1655	1753	1930	2090	2236	2378	2508	2636	2769	2894	
		BHP	1.6	2.01	2.86	3.7	4.56	5.46	6.39	7.37	8.45	9.55	
		LwiA / LwoA	87 / 89	87 / 89	89 / 90	90 / 91	92 / 92	93 / 93	94 / 94	96 / 96	97 / 97	98 / 97	
5600	2917	RPM	1830	1919	2085	2234	2372	2502	2630	2749	2862	2979	
		BHP	2.14	2.59	3.54	4.48	5.42	6.39	7.39	8.43	9.48	10.62	
		LwiA / LwoA	89 / 92	90 / 92	91 / 92	92 / 93	94 / 94	95 / 95	96 / 97	97 / 97	98 / 98	99 / 98	
6200	3229	RPM	2007	2088	2243	2383	2515	2638	2754	2871	2982		
		BHP	2.8	3.27	4.33	5.38	6.41	7.46	8.52	9.63	10.77		
		LwiA / LwoA	92 / 94	92 / 94	93 / 95	94 / 96	96 / 97	97 / 98	98 / 98	98 / 99	99 / 99		
6800	3542	RPM	2186	2261	2405	2538	2662	2780	2891	2996			
		BHP	3.59	4.11	5.24	6.4	7.54	8.68	9.83	10.98			
		LwiA / LwoA	94 / 96	94 / 97	95 / 97	96 / 98	98 / 99	98 / 100	99 / 100	99 / 100			
7400	3854	RPM	2366	2436	2570	2696	2813	2926					
		BHP	4.52	5.08	6.28	7.56	8.8	10.04					
		LwiA / LwoA	96 / 99	97 / 99	98 / 100	99 / 101	99 / 101	100 / 101					
8000	4167	RPM	2546	2612	2737	2857	2969						
		BHP	5.62	6.22	7.48	8.85	10.21						
		LwiA / LwoA	98 / 101	99 / 102	100 / 102	100 / 102	100 / 103						

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20 USF-400 - AF

Wheel Diameter	20 in. 508 mm
Outlet Area	2.3 ft ² 0.21 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/1157) ³ (RPM/1276) ³
Maximum RPM	2734
Tip Speed	RPM x 5.24 ft/min. RPM x 0.027 m/s

Imperial data - Metric data



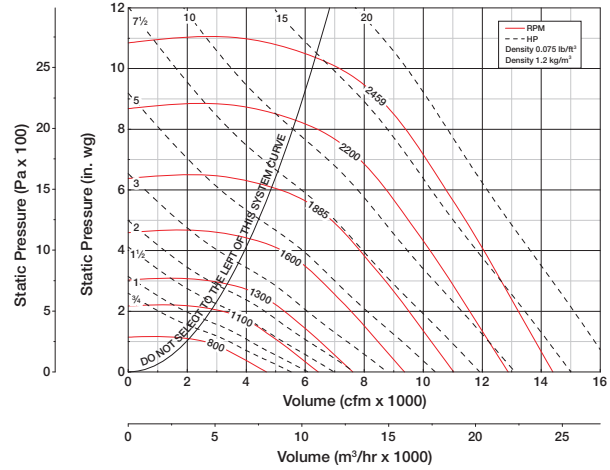
CFM	OV		Static Pressure in Inches wg												
			0.5	1	2	3	4	5	6	7	8	9			
2000	870	RPM	702	880											
		BHP	0.22	0.42											
		LwiA / LwoA	67 / 71	71 / 76											
2750	1196	RPM	833	980	1237										
		BHP	0.37	0.61	1.17										
		LwiA / LwoA	71 / 75	74 / 77	79 / 80										
3500	1522	RPM	979	1107	1326	1528	1724								
		BHP	0.57	0.87	1.5	2.23	3.05								
		LwiA / LwoA	76 / 79	77 / 80	80 / 82	84 / 85	87 / 88								
4250	1848	RPM	1132	1246	1443	1619	1787	1949	2108	2255					
		BHP	0.86	1.22	1.94	2.72	3.59	4.55	5.58	6.65					
		LwiA / LwoA	80 / 83	81 / 83	83 / 85	86 / 87	88 / 88	90 / 90	92 / 92	95 / 94					
5000	2174	RPM	1291	1394	1575	1735	1884	2025	2167	2304	2441	2569			
		BHP	1.23	1.66	2.5	3.36	4.28	5.27	6.35	7.5	8.7	9.95			
		LwiA / LwoA	83 / 86	84 / 86	86 / 87	88 / 89	90 / 90	91 / 91	93 / 93	95 / 94	97 / 96	98 / 97			
5750	2500	RPM	1454	1547	1713	1861	2000	2130	2251	2378	2500	2618			
		BHP	1.73	2.2	3.18	4.14	5.15	6.2	7.29	8.49	9.75	11.05			
		LwiA / LwoA	86 / 89	87 / 89	89 / 90	90 / 91	91 / 92	93 / 93	94 / 94	96 / 96	97 / 97	98 / 98			
6500	2826	RPM	1620	1704	1858	1997	2124	2247	2365	2474	2580	2694			
		BHP	2.35	2.88	3.98	5.07	6.17	7.31	8.49	9.7	10.96	12.34			
		LwiA / LwoA	89 / 91	90 / 92	91 / 92	92 / 93	93 / 94	95 / 95	96 / 96	97 / 97	98 / 97	99 / 98			
7250	3152	RPM	1787	1863	2007	2137	2259	2372	2482	2589	2691				
		BHP	3.13	3.69	4.93	6.16	7.36	8.59	9.85	11.16	12.5				
		LwiA / LwoA	92 / 94	92 / 94	93 / 95	94 / 95	95 / 96	97 / 98	98 / 98	98 / 99	99 / 99				
8000	3478	RPM	1957	2027	2161	2283	2398	2507	2609	2707					
		BHP	4.08	4.69	6.03	7.39	8.73	10.07	11.42	12.8					
		LwiA / LwoA	94 / 96	94 / 96	95 / 97	96 / 98	98 / 99	98 / 99	99 / 100	100 / 100					
8750	3804	RPM	2127	2192	2317	2432	2540	2645							
		BHP	5.21	5.87	7.29	8.8	10.28	11.73							
		LwiA / LwoA	96 / 99	97 / 99	98 / 100	99 / 101	99 / 101	100 / 101							
9500	4130	RPM	2298	2359	2475	2585	2688								
		BHP	6.54	7.25	8.76	10.38	12								
		LwiA / LwoA	99 / 101	99 / 102	100 / 102	100 / 102	101 / 102								

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22 USF-400 - AF

Wheel Diameter	22.25 in. 565 mm
Outlet Area	2.85 ft ² 0.26 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/969) ³ (RPM/1068) ³
Maximum RPM	2459
Tip Speed	RPM x 5.83 ft/min. RPM x 0.030 m/s

Imperial data - Metric data



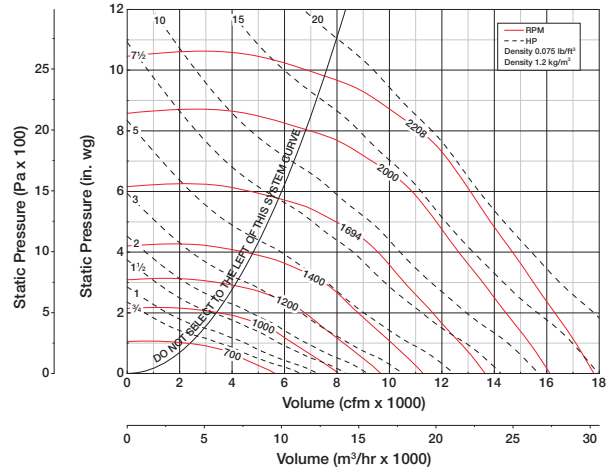
CFM	OV		Static Pressure in Inches wg										
			0.5	1	2	3	4	5	6	7	8	9	
3000	1053	RPM	695	836	1092								
		BHP	0.37	0.64	1.32								
		LwiA / LwoA	69 / 72	72 / 74	78 / 80								
4000	1404	RPM	832	952	1158	1353	1533						
		BHP	0.61	0.95	1.69	2.58	3.57						
		LwiA / LwoA	73 / 76	76 / 78	80 / 81	84 / 84	88 / 87						
5000	1754	RPM	979	1084	1267	1427	1586	1739	1883				
		BHP	0.95	1.37	2.23	3.16	4.24	5.41	6.65				
		LwiA / LwoA	79 / 81	80 / 82	83 / 84	85 / 86	88 / 88	90 / 90	93 / 92				
6000	2105	RPM	1133	1226	1391	1538	1672	1805	1933	2062	2185	2300	
		BHP	1.43	1.93	2.94	3.99	5.1	6.33	7.64	9.06	10.53	12.04	
		LwiA / LwoA	82 / 85	83 / 85	86 / 87	88 / 89	90 / 90	91 / 91	93 / 93	95 / 95	97 / 96	99 / 98	
7000	2456	RPM	1291	1374	1524	1658	1784	1902	2011	2128	2238	2348	
		BHP	2.07	2.64	3.82	5	6.23	7.51	8.85	10.34	11.88	13.5	
		LwiA / LwoA	86 / 88	87 / 89	89 / 90	90 / 91	92 / 92	93 / 93	94 / 94	96 / 96	98 / 97	99 / 98	
8000	2807	RPM	1451	1527	1663	1789	1904	2014	2120	2219	2316	2418	
		BHP	2.89	3.54	4.88	6.22	7.57	8.97	10.43	11.92	13.48	15.19	
		LwiA / LwoA	89 / 91	90 / 92	91 / 92	92 / 93	94 / 94	95 / 96	96 / 97	98 / 97	98 / 98	99 / 99	
9000	3158	RPM	1614	1683	1808	1925	2034	2136	2234	2331	2422		
		BHP	3.93	4.65	6.14	7.66	9.16	10.68	12.24	13.86	15.52		
		LwiA / LwoA	92 / 94	92 / 94	93 / 95	95 / 96	96 / 97	97 / 98	98 / 99	99 / 99	100 / 100		
10000	3509	RPM	1777	1842	1958	2066	2169	2266	2358	2445			
		BHP	5.21	6	7.64	9.32	11	12.67	14.36	16.07			
		LwiA / LwoA	94 / 97	95 / 97	96 / 98	97 / 99	98 / 100	99 / 100	100 / 101	100 / 101			
11000	3860	RPM	1942	2002	2111	2211	2308	2400					
		BHP	6.75	7.62	9.4	11.24	13.09	14.93					
		LwiA / LwoA	97 / 100	97 / 100	98 / 101	99 / 102	100 / 102	100 / 102					
12000	4211	RPM	2108	2163	2266	2361	2451						
		BHP	8.59	9.53	11.45	13.44	15.45						
		LwiA / LwoA	99 / 102	100 / 103	100 / 103	101 / 103	101 / 104						
13000	4561	RPM	2275	2326	2423								
		BHP	10.75	11.76	13.82								
		LwiA / LwoA	102 / 105	102 / 105	102 / 105								

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24 USF-400 - AF

Wheel Diameter	24.5 in. 622 mm
Outlet Area	3.45 ft ² 0.32 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/824) ³ (RPM/908) ³
Maximum RPM	2208
Tip Speed	RPM x 6.41 ft/min. RPM x 0.033 m/s

Imperial data - Metric data



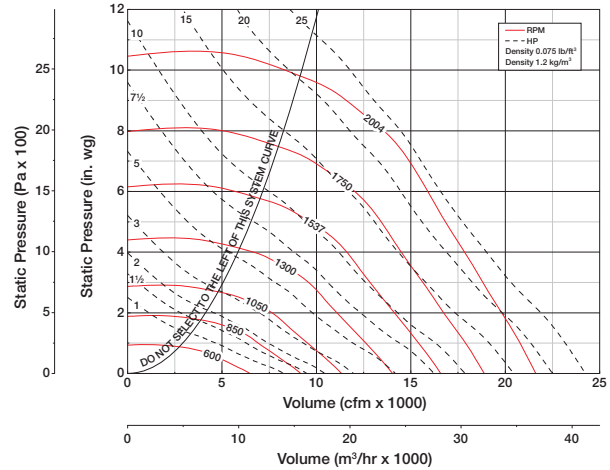
CFM	OV		Static Pressure in Inches wg												
			0.5	1	2	3	4	5	6	7	8	9			
3000	870	RPM	567	727											
		BHP	0.33	0.64											
		LwiA / LwoA	66 / 71	71 / 74											
4300	1246	RPM	690	806	1032	1226									
		BHP	0.57	0.94	1.83	2.89									
		LwiA / LwoA	72 / 75	74 / 76	80 / 80	85 / 85									
5600	1623	RPM	823	927	1108	1281	1438	1585							
		BHP	0.93	1.41	2.4	3.57	4.83	6.25							
		LwiA / LwoA	75 / 79	76 / 80	81 / 83	85 / 86	89 / 89	91 / 91							
6900	2000	RPM	965	1058	1213	1360	1503	1636	1762	1884	1998				
		BHP	1.43	2.03	3.19	4.45	5.86	7.33	8.92	10.64	12.44				
		LwiA / LwoA	79 / 83	79 / 84	83 / 86	86 / 89	88 / 91	90 / 92	92 / 93	93 / 95	95 / 96				
8200	2377	RPM	1109	1194	1339	1462	1585	1709	1828	1938	2043	2150			
		BHP	2.08	2.82	4.22	5.6	7.07	8.74	10.44	12.2	14.02	16.03			
		LwiA / LwoA	83 / 87	84 / 88	87 / 90	88 / 92	89 / 93	91 / 93	92 / 95	93 / 96	94 / 97	96 / 98			
9500	2754	RPM	1257	1336	1471	1586	1691	1794	1906	2010	2112				
		BHP	2.92	3.82	5.47	7.07	8.66	10.31	12.2	14.16	16.13				
		LwiA / LwoA	87 / 91	88 / 92	90 / 93	90 / 94	91 / 95	92 / 95	93 / 96	94 / 97	95 / 98				
10800	3130	RPM	1409	1480	1604	1717	1814	1907	1997	2094	2190				
		BHP	4.04	5.03	6.94	8.81	10.6	12.41	14.24	16.29	18.47				
		LwiA / LwoA	91 / 95	91 / 95	92 / 95	92 / 96	93 / 97	94 / 98	95 / 98	96 / 99	96 / 100				
12100	3507	RPM	1563	1626	1743	1848	1945	2031	2114	2195					
		BHP	5.45	6.47	8.68	10.78	12.86	14.87	16.9	18.93					
		LwiA / LwoA	93 / 97	94 / 97	94 / 98	94 / 98	95 / 99	96 / 100	96 / 100	97 / 101					
13400	3884	RPM	1719	1774	1885	1983	2076	2161							
		BHP	7.18	8.22	10.74	13.08	15.4	17.67							
		LwiA / LwoA	96 / 99	96 / 100	96 / 100	97 / 101	97 / 101	97 / 102							
14700	4261	RPM	1875	1925	2029	2122									
		BHP	9.27	10.34	13.09	15.69									
		LwiA / LwoA	98 / 102	98 / 102	99 / 103	99 / 103									
16000	4638	RPM	2033	2078	2174										
		BHP	11.74	12.9	15.74										
		LwiA / LwoA	101 / 104	101 / 104	100 / 105										

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27 USF-400 - AF

Wheel Diameter	27 in. 686 mm
Outlet Area	4.19 ft ² 0.39 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/701) ³ (RPM/773) ³
Maximum RPM	2004
Tip Speed	RPM x 7.07 ft/min. RPM x 0.036 m/s

Imperial data - Metric data



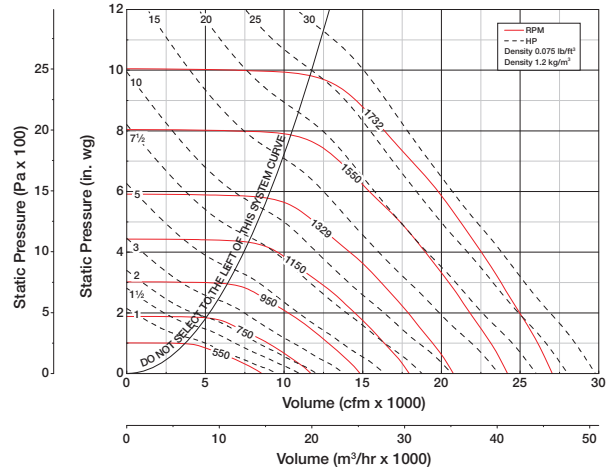
CFM	OV		Static Pressure in Inches wg											
			0.5	1	2	3	4	5	6	7	8	9		
4000	955	RPM	537	674										
		BHP	0.45	0.85										
		LwiA / LwoA	67 / 70	71 / 73										
5500	1313	RPM	647	749	947	1120								
		BHP	0.76	1.22	2.34	3.63								
		LwiA / LwoA	71 / 75	74 / 76	80 / 81	85 / 85								
7000	1671	RPM	763	856	1015	1171	1310	1443						
		BHP	1.2	1.79	3.02	4.46	6	7.74						
		LwiA / LwoA	75 / 79	77 / 80	81 / 83	85 / 87	90 / 90	92 / 92						
8500	2029	RPM	886	970	1109	1240	1369	1490	1602	1713	1816			
		BHP	1.79	2.53	3.96	5.49	7.23	9.03	10.95	13.06	15.25			
		LwiA / LwoA	79 / 84	80 / 84	84 / 87	87 / 90	89 / 92	91 / 92	93 / 94	94 / 95	95 / 97			
10000	2387	RPM	1010	1087	1218	1330	1440	1553	1660	1761	1855	1952		
		BHP	2.55	3.45	5.16	6.84	8.63	10.66	12.74	14.88	17.08	19.53		
		LwiA / LwoA	83 / 87	84 / 88	87 / 90	89 / 92	90 / 93	91 / 94	93 / 95	94 / 96	95 / 97	97 / 98		
11500	2745	RPM	1138	1209	1332	1436	1532	1626	1728	1822	1915	2003		
		BHP	3.52	4.61	6.6	8.54	10.46	12.47	14.77	17.13	19.53	21.98		
		LwiA / LwoA	87 / 91	89 / 92	91 / 93	91 / 94	92 / 95	93 / 96	94 / 97	95 / 98	96 / 99	97 / 99		
13000	3103	RPM	1268	1333	1447	1549	1638	1723	1804	1894	1981			
		BHP	4.79	5.99	8.28	10.53	12.7	14.87	17.08	19.59	22.21			
		LwiA / LwoA	91 / 95	92 / 95	93 / 96	93 / 96	94 / 97	94 / 98	95 / 99	96 / 99	97 / 100			
14500	3461	RPM	1401	1459	1566	1663	1750	1828	1905	1979				
		BHP	6.39	7.63	10.26	12.78	15.25	17.67	20.11	22.55				
		LwiA / LwoA	94 / 97	94 / 98	95 / 98	95 / 99	95 / 99	96 / 100	97 / 101	97 / 101				
16000	3819	RPM	1535	1586	1688	1778	1863	1940						
		BHP	8.33	9.58	12.58	15.36	18.14	20.84						
		LwiA / LwoA	96 / 100	96 / 100	97 / 101	97 / 101	97 / 101	98 / 102						
17500	4177	RPM	1670	1716	1812	1897	1978							
		BHP	10.65	11.92	15.25	18.31	21.34							
		LwiA / LwoA	99 / 102	99 / 102	99 / 103	99 / 103	99 / 103							
19000	4535	RPM	1806	1848	1937									
		BHP	13.39	14.76	18.19									
		LwiA / LwoA	101 / 105	101 / 105	101 / 105									

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30 USF-400 - AF

Wheel Diameter	30 in. 762 mm
Outlet Area	5.17 ft ² 0.48 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/571) ³ (RPM/630) ³
Maximum RPM	1732
Tip Speed	RPM x 7.85 ft/min. RPM x 0.040 m/s

Imperial data - Metric data



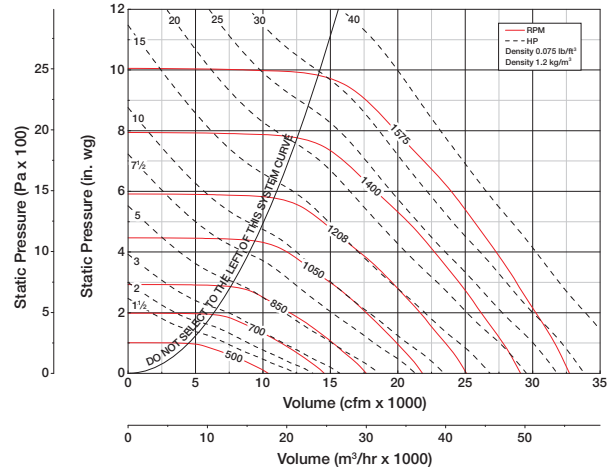
CFM	OV		Static Pressure in Inches wg																				
			0.5	1	2	3	4	5	6	7	8	9											
5000	967	RPM	470	583																			
		BHP	0.55	1																			
		LwiA / LwoA	66 / 70	71 / 73																			
7000	1354	RPM	563	661	822	967																	
		BHP	0.94	1.53	2.8	4.34																	
		LwiA / LwoA	72 / 75	74 / 77	80 / 80	85 / 84																	
9000	1741	RPM	668	751	899	1021	1133	1248															
		BHP	1.52	2.26	3.79	5.41	7.21	9.31															
		LwiA / LwoA	76 / 80	77 / 80	81 / 83	85 / 86	88 / 88	91 / 90															
11000	2128	RPM	780	852	981	1100	1202	1297	1387	1482	1572												
		BHP	2.35	3.22	5.06	6.95	8.9	10.99	13.22	15.77	18.42												
		LwiA / LwoA	79 / 84	80 / 84	83 / 86	87 / 89	88 / 90	90 / 92	92 / 93	93 / 94	95 / 96												
13000	2515	RPM	896	959	1075	1182	1282	1372	1454	1534	1611	1690											
		BHP	3.46	4.49	6.63	8.81	11.04	13.32	15.67	18.18	20.8	23.66											
		LwiA / LwoA	83 / 87	84 / 88	87 / 90	89 / 92	90 / 93	91 / 94	92 / 95	94 / 96	95 / 97	96 / 98											
15000	2901	RPM	1015	1071	1176	1273	1364	1452	1533	1608	1678												
		BHP	4.9	6.11	8.51	11.03	13.55	16.11	18.73	21.39	24.11												
		LwiA / LwoA	87 / 91	88 / 92	90 / 93	91 / 94	92 / 95	93 / 96	94 / 97	95 / 98	96 / 99												
17000	3288	RPM	1134	1187	1281	1371	1454	1535	1614	1688													
		BHP	6.73	8.14	10.81	13.63	16.47	19.33	22.22	25.17													
		LwiA / LwoA	91 / 95	91 / 95	92 / 96	93 / 97	94 / 98	95 / 99	96 / 100	96 / 100													
19000	3675	RPM	1257	1304	1390	1473	1551	1626	1697														
		BHP	9.05	10.58	13.61	16.62	19.85	23	26.21														
		LwiA / LwoA	94 / 97	94 / 98	95 / 98	95 / 99	96 / 100	96 / 101	97 / 101														
21000	4062	RPM	1382	1422	1503	1579	1652	1722															
		BHP	11.91	13.51	16.91	20.2	23.62	27.2															
		LwiA / LwoA	96 / 100	97 / 100	97 / 101	98 / 102	98 / 102	98 / 103															
23000	4449	RPM	1507	1542	1618	1688																	
		BHP	15.34	16.98	20.78	24.39																	
		LwiA / LwoA	99 / 103	99 / 103	100 / 104	100 / 104																	
25000	4836	RPM	1632	1663																			
		BHP	19.4	21.08																			
		LwiA / LwoA	102 / 105	102 / 105																			

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33 USF-400 - AF

Wheel Diameter	33 in. 838 mm
Outlet Area	6.26 ft ² 0.58 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/487) ³ (RPM/537) ³
Maximum RPM	1575
Tip Speed	RPM x 8.64 ft/min. RPM x 0.044 m/s

Imperial data - Metric data



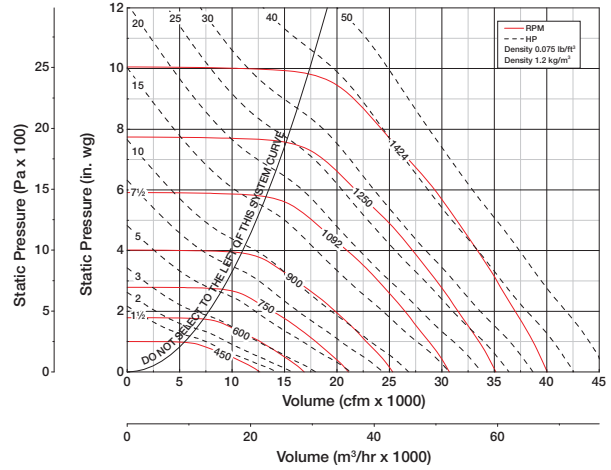
CFM	OV		Static Pressure in Inches wg										
			0.5	1	2	3	4	5	6	7	8	9	
6000	958	RPM	425	528									
		BHP	0.66	1.2									
		LwiA / LwoA	67 / 72	72 / 74									
8500	1358	RPM	513	602	748	879							
		BHP	1.15	1.86	3.4	5.26							
		LwiA / LwoA	72 / 76	76 / 78	80 / 81	85 / 84							
11000	1757	RPM	612	687	820	931	1032	1136					
		BHP	1.88	2.78	4.65	6.62	8.8	11.34					
		LwiA / LwoA	78 / 81	78 / 82	82 / 83	85 / 86	89 / 88	92 / 91					
13500	2157	RPM	717	782	898	1005	1098	1184	1265	1350	1431	1507	
		BHP	2.93	3.99	6.26	8.57	10.96	13.49	16.21	19.27	22.5	25.84	
		LwiA / LwoA	81 / 85	81 / 85	84 / 87	87 / 89	89 / 92	91 / 92	93 / 93	94 / 95	96 / 96	97 / 98	
16000	2556	RPM	827	883	988	1083	1174	1255	1330	1401	1471	1540	
		BHP	4.36	5.63	8.26	10.94	13.68	16.48	19.35	22.38	25.58	28.99	
		LwiA / LwoA	84 / 89	85 / 89	87 / 90	90 / 93	91 / 94	92 / 95	93 / 96	95 / 96	96 / 97	97 / 98	
18500	2955	RPM	938	989	1083	1170	1251	1331	1404	1472	1536		
		BHP	6.21	7.72	10.66	13.77	16.88	20.03	23.24	26.51	29.84		
		LwiA / LwoA	88 / 92	89 / 92	91 / 94	92 / 95	93 / 96	94 / 97	95 / 98	96 / 99	97 / 99		
21000	3355	RPM	1051	1098	1182	1262	1338	1409	1480	1547			
		BHP	8.59	10.34	13.63	17.09	20.61	24.14	27.7	31.32			
		LwiA / LwoA	92 / 95	93 / 96	93 / 97	94 / 97	95 / 98	95 / 99	97 / 100	97 / 101			
23500	3754	RPM	1167	1208	1285	1359	1429	1496	1559				
		BHP	11.63	13.49	17.26	20.95	24.92	28.84	32.8				
		LwiA / LwoA	95 / 99	95 / 99	95 / 99	96 / 100	96 / 101	97 / 101	98 / 102				
26000	4153	RPM	1284	1319	1392	1459	1525						
		BHP	15.36	17.3	21.53	25.61	29.8						
		LwiA / LwoA	97 / 101	97 / 101	98 / 102	98 / 102	98 / 103						
28500	4553	RPM	1401	1432	1500	1562							
		BHP	19.84	21.84	26.57	31.05							
		LwiA / LwoA	100 / 104	100 / 104	100 / 104	100 / 105							
31000	4952	RPM	1519	1546									
		BHP	25.15	27.23									
		LwiA / LwoA	102 / 106	102 / 106									

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36 USF-400 - AF

Wheel Diameter	36.5 in. 927 mm
Outlet Area	7.66 ft ² 0.71 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/412) ³ (RPM/454) ³
Maximum RPM	1424
Tip Speed	RPM x 9.56 ft/min. RPM x 0.049 m/s

Imperial data - Metric data



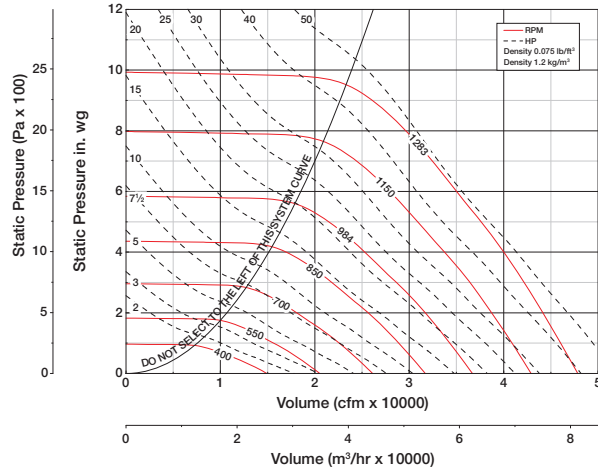
CFM	OV	Static Pressure in Inches wg											
		0.5	1	2	3	4	5	6	7	8	9		
7000	914	RPM	377	472									
		BHP	0.75	1.4									
		LwiA / LwoA	68 / 73	72 / 74									
10000	1305	RPM	452	535	669	791							
		BHP	1.31	2.15	4	6.27							
		LwiA / LwoA	72 / 75	76 / 77	80 / 82	84 / 85							
13000	1697	RPM	539	609	731	833	928	1022					
		BHP	2.14	3.21	5.43	7.79	10.48	13.56					
		LwiA / LwoA	77 / 79	79 / 81	83 / 85	85 / 87	87 / 89	88 / 90					
16000	2089	RPM	632	692	800	897	982	1061	1137	1216	1289		
		BHP	3.34	4.61	7.3	10.05	12.9	15.98	19.32	23.07	26.96		
		LwiA / LwoA	82 / 84	84 / 86	85 / 88	87 / 89	88 / 90	90 / 92	91 / 93	93 / 94	95 / 96		
19000	2480	RPM	729	781	877	966	1048	1122	1190	1256	1319	1387	
		BHP	4.97	6.47	9.6	12.8	16.07	19.41	22.85	26.57	30.42	34.72	
		LwiA / LwoA	86 / 89	86 / 89	88 / 90	89 / 91	91 / 93	92 / 94	93 / 95	95 / 96	96 / 97	97 / 98	
22000	2872	RPM	827	874	961	1041	1116	1189	1255	1317	1375		
		BHP	7.08	8.87	12.38	16.08	19.78	23.55	27.39	31.3	35.3		
		LwiA / LwoA	89 / 92	90 / 92	90 / 93	92 / 94	93 / 95	94 / 96	96 / 97	97 / 98	98 / 99		
25000	3264	RPM	927	970	1048	1122	1191	1258	1323	1383			
		BHP	9.79	11.87	15.78	19.94	24.12	28.33	32.59	36.93			
		LwiA / LwoA	92 / 95	92 / 95	93 / 96	94 / 96	96 / 97	97 / 99	98 / 99	99 / 100			
28000	3655	RPM	1029	1067	1139	1207	1271	1333	1392				
		BHP	13.24	15.49	19.95	24.4	29.15	33.8	38.52				
		LwiA / LwoA	95 / 98	95 / 98	96 / 98	97 / 99	98 / 100	99 / 101	100 / 102				
31000	4047	RPM	1133	1166	1233	1295	1355	1413					
		BHP	17.49	19.85	24.88	29.73	34.79	40.06					
		LwiA / LwoA	97 / 100	98 / 100	99 / 101	100 / 102	101 / 102	101 / 103					
34000	4439	RPM	1237	1265	1328	1386							
		BHP	22.62	25.05	30.66	36							
		LwiA / LwoA	100 / 102	100 / 103	101 / 103	102 / 104							
37000	4830	RPM	1341	1366									
		BHP	28.69	31.18									
		LwiA / LwoA	102 / 104	103 / 105									

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. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power ratings (BHP/kW) do not include transmission losses. The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet, LwiA, and outlet, LwoA sound power levels for installation type B: Free inlet, Ducted outlet. Outlet ratings include the effects of duct end correction.

40 USF-400 - AF

Wheel Diameter	40.25 in. 1022 mm
Outlet Area	9.31 ft ² 0.86 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	$(RPM/351)^3$ $(RPM/387)^3$
Maximum RPM	1283
Tip Speed	RPM x 10.54 ft/min. RPM x 0.054 m/s

Imperial data - Metric data



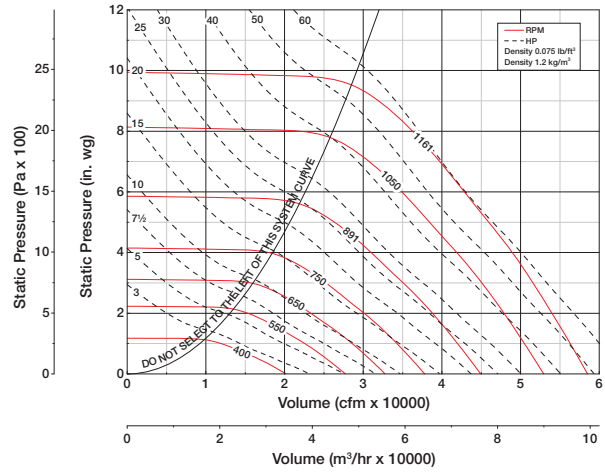
CFM	OV		Static Pressure in Inches wg											
			0.5	1	2	3	4	5	6	7	8	9		
10000	1074	RPM	368	446										
		BHP	1.15	1.98										
		LwiA / LwoA	72 / 72	73 / 73										
13200	1418	RPM	433	502	618	721								
		BHP	1.82	2.92	5.18	7.85								
		LwiA / LwoA	75 / 75	77 / 77	82 / 82	85 / 85								
16400	1762	RPM	505	566	670	760	846							
		BHP	2.8	4.13	6.84	9.67	12.9							
		LwiA / LwoA	80 / 80	82 / 82	85 / 85	87 / 87	89 / 89							
19600	2105	RPM	581	633	729	812	886	961	1031					
		BHP	4.13	5.64	8.9	12.14	15.45	19.23	23.17					
		LwiA / LwoA	84 / 84	85 / 85	87 / 87	89 / 89	91 / 91	92 / 92	93 / 93					
22800	2449	RPM	660	705	792	869	941	1005	1070	1133	1192	1249		
		BHP	5.87	7.63	11.37	15.14	18.88	22.71	26.86	31.32	35.91	40.7		
		LwiA / LwoA	88 / 88	89 / 89	90 / 90	92 / 92	93 / 93	94 / 94	95 / 95	96 / 96	97 / 97	98 / 98		
26000	2793	RPM	739	780	858	931	997	1060	1119	1173	1231			
		BHP	8.11	10.13	14.2	18.56	22.88	27.13	31.46	35.9	40.82			
		LwiA / LwoA	92 / 92	92 / 92	93 / 93	94 / 94	95 / 95	96 / 96	97 / 97	98 / 98	99 / 99			
29200	3136	RPM	821	858	927	996	1059	1117	1174	1228	1278			
		BHP	10.93	13.15	17.63	22.47	27.32	32.19	36.95	41.79	46.71			
		LwiA / LwoA	95 / 95	95 / 95	95 / 95	96 / 96	97 / 97	98 / 98	99 / 99	100 / 100	100 / 100			
32400	3480	RPM	903	937	1001	1063	1123	1180	1232	1283				
		BHP	14.41	16.8	21.79	26.92	32.4	37.72	43.12	48.43				
		LwiA / LwoA	97 / 97	97 / 97	97 / 97	98 / 98	99 / 99	100 / 100	101 / 101	101 / 101				
35600	3824	RPM	986	1016	1076	1132	1189	1243						
		BHP	18.59	21.15	26.68	32.1	37.96	44.03						
		LwiA / LwoA	99 / 99	99 / 99	100 / 100	100 / 100	101 / 101	102 / 102						
38800	4168	RPM	1069	1097	1152	1205	1257							
		BHP	23.56	26.3	32.27	38.2	44.28							
		LwiA / LwoA	101 / 101	101 / 101	102 / 102	103 / 103	103 / 103							
42000	4511	RPM	1153	1179	1230	1280								
		BHP	29.38	32.33	38.68	45.18								
		LwiA / LwoA	103 / 103	103 / 103	104 / 104	104 / 104								

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44 USF-400 - AF

Wheel Diameter	44.5 in. 1130 mm
Outlet Area	11.39 ft ² 1.06 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/297) ³ (RPM/327) ³
Maximum RPM	1161
Tip Speed	RPM x 11.65 ft/min. RPM x 0.059 m/s

Imperial data - Metric data



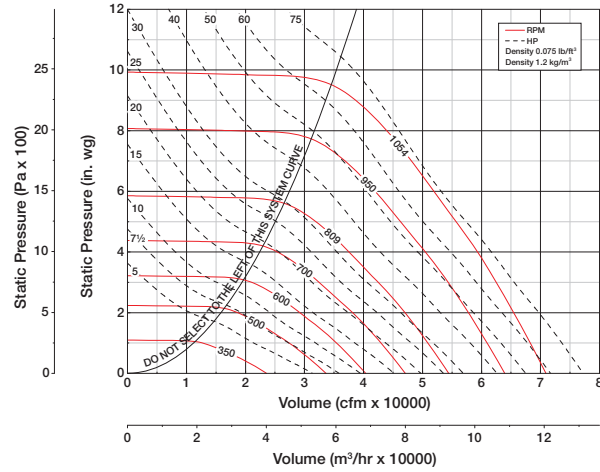
CFM	OV		Static Pressure in Inches wg										
			0.5	1	2	3	4	5	6	7	8	9	
15000	1317	RPM	374	439	549								
		BHP	1.96	3.21	5.89								
		LwiA / LwoA	73 / 75	76 / 77	80 / 82								
19000	1668	RPM	439	496	593	678	756						
		BHP	3.06	4.62	7.76	11.18	15.01						
		LwiA / LwoA	77 / 79	79 / 81	83 / 85	85 / 87	87 / 90						
23000	2019	RPM	508	557	645	722	792	861	924				
		BHP	4.61	6.4	10.23	14.03	18.08	22.59	27.28				
		LwiA / LwoA	81 / 83	82 / 85	85 / 87	87 / 89	89 / 91	91 / 93	92 / 94				
27000	2371	RPM	581	623	703	774	840	899	960	1017	1071		
		BHP	6.65	8.73	13.19	17.65	22.09	26.67	31.79	37.14	42.64		
		LwiA / LwoA	85 / 88	86 / 89	87 / 90	90 / 92	91 / 93	92 / 94	94 / 95	95 / 96	96 / 97		
31000	2722	RPM	654	692	764	831	891	949	1002	1053	1106	1157	
		BHP	9.31	11.72	16.62	21.79	26.94	32.02	37.23	42.68	48.66	54.79	
		LwiA / LwoA	89 / 91	89 / 92	90 / 93	92 / 94	93 / 95	94 / 96	95 / 97	96 / 98	98 / 98	99 / 99	
35000	3073	RPM	729	763	827	891	948	1001	1053	1102	1147		
		BHP	12.7	15.36	20.74	26.6	32.38	38.21	43.92	49.75	55.68		
		LwiA / LwoA	92 / 94	92 / 95	93 / 96	94 / 96	95 / 97	96 / 98	97 / 99	98 / 100	99 / 100		
39000	3424	RPM	805	836	895	952	1007	1058	1106	1153			
		BHP	16.91	19.79	25.8	32.02	38.65	45.01	51.53	57.89			
		LwiA / LwoA	95 / 98	95 / 98	95 / 98	96 / 98	97 / 99	98 / 100	99 / 101	100 / 101			
43000	3775	RPM	882	910	964	1015	1068	1117					
		BHP	22.01	25.11	31.77	38.34	45.46	52.76					
		LwiA / LwoA	97 / 100	97 / 100	98 / 100	99 / 101	100 / 101	101 / 102					
47000	4126	RPM	959	984	1035	1083	1130						
		BHP	28.09	31.41	38.66	45.84	53.25						
		LwiA / LwoA	99 / 102	99 / 102	100 / 102	101 / 103	102 / 103						
51000	4478	RPM	1036	1060	1107	1152							
		BHP	35.26	38.85	46.56	54.44							
		LwiA / LwoA	101 / 104	102 / 104	102 / 104	103 / 105							
55000	4829	RPM	1114	1136									
		BHP	43.6	47.46									
		LwiA / LwoA	103 / 106	104 / 106									

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49 USF-400 - AF

Wheel Diameter	49 in. 1245 mm
Outlet Area	13.8 ft ² 1.28 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/253) ³ (RPM/279) ³
Maximum RPM	1054
Tip Speed	RPM x 12.83 ft/min. RPM x 0.065 m/s

Imperial data - Metric data



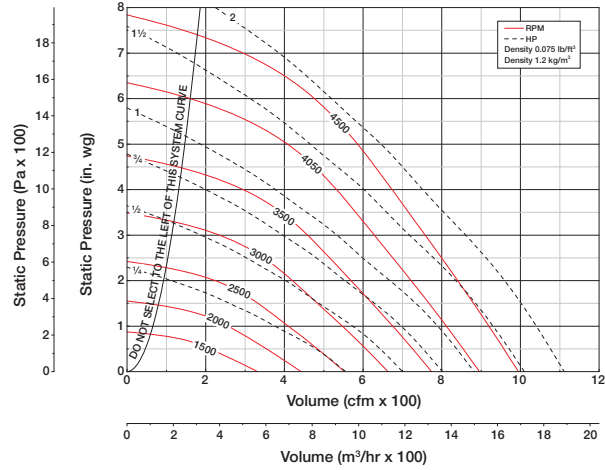
CFM	OV		Static Pressure in Inches wg											
			0.5	1	2	3	4	5	6	7	8	9		
15000	1087	RPM	304	368										
		BHP	1.73	2.98										
		LwiA / LwoA	70 / 73	74 / 74										
20000	1449	RPM	361	417	511	595								
		BHP	2.81	4.48	7.86	11.85								
		LwiA / LwoA	74 / 76	77 / 78	82 / 83	84 / 85								
25000	1812	RPM	424	473	557	629	700							
		BHP	4.4	6.42	10.55	14.76	19.64							
		LwiA / LwoA	79 / 81	81 / 83	83 / 85	86 / 87	88 / 90							
30000	2174	RPM	490	531	609	676	737	796	853	906				
		BHP	6.58	8.89	13.87	18.82	23.85	29.43	35.39	41.57				
		LwiA / LwoA	83 / 86	84 / 87	86 / 88	88 / 90	90 / 91	91 / 93	93 / 94	95 / 96				
35000	2536	RPM	558	595	664	727	784	837	887	939	987	1033		
		BHP	9.47	12.17	17.84	23.64	29.4	35.24	41.3	48.07	55.02	62.15		
		LwiA / LwoA	87 / 89	87 / 90	88 / 91	90 / 92	92 / 94	93 / 95	95 / 96	96 / 97	98 / 98	99 / 99		
40000	2899	RPM	628	660	722	781	835	885	933	977	1021			
		BHP	13.21	16.3	22.52	29.25	35.84	42.42	49.03	55.78	62.89			
		LwiA / LwoA	90 / 93	91 / 93	91 / 94	93 / 95	94 / 96	96 / 97	97 / 98	98 / 99	99 / 100			
45000	3261	RPM	699	728	783	838	889	936	981	1025				
		BHP	17.96	21.34	28.25	35.59	43.13	50.56	57.99	65.37				
		LwiA / LwoA	94 / 96	94 / 96	94 / 97	95 / 97	97 / 98	98 / 99	99 / 101	100 / 101				
50000	3623	RPM	770	797	848	896	945	991	1033					
		BHP	23.81	27.46	35.18	42.94	51.33	59.67	67.91					
		LwiA / LwoA	96 / 99	96 / 99	97 / 99	98 / 100	99 / 101	100 / 102	101 / 102					
55000	3986	RPM	842	866	913	958	1003	1046						
		BHP	30.88	34.78	43.32	51.69	60.53	69.82						
		LwiA / LwoA	98 / 101	99 / 101	99 / 102	100 / 102	102 / 103	102 / 104						
60000	4348	RPM	915	937	980	1022								
		BHP	39.3	43.52	52.65	61.89								
		LwiA / LwoA	101 / 103	101 / 103	102 / 104	103 / 105								
65000	4710	RPM	987	1008	1048									
		BHP	49.18	53.73	63.43									
		LwiA / LwoA	103 / 105	104 / 106	104 / 106									

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07 USF-400 - BI

Wheel Diameter	10.5 in. 267 mm
Outlet Area	0.645 ft ² 0.06 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/3659) ³ (RPM/4034) ³
Maximum RPM	4500
Tip Speed	RPM x 2.75 ft/min. RPM x 0.014 m/s

Imperial data - Metric data



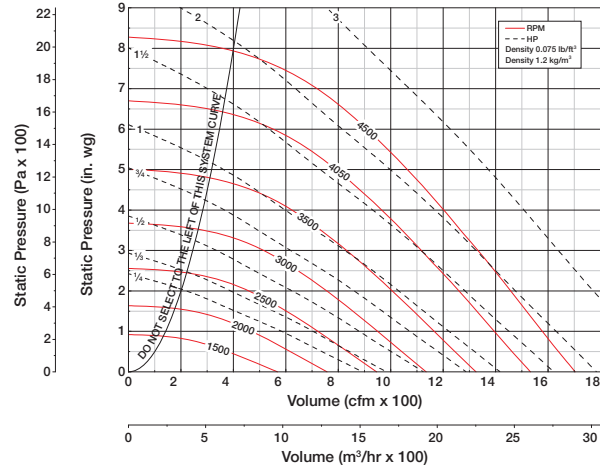
CFM	OV	Static Pressure in Inches wg											
		0.5	1	1.5	2	2.5	3	3.5	4	5	6		
100	155	RPM	1233	1688	2045	2346							
		BHP	0.038	0.094	0.16	0.24							
		LwiA / LwoA	62 / 70	70 / 77	76 / 82	80 / 86							
175	271	RPM	1393	1802	2139	2431	2689	2926	3146	3351	3726	4065	
		BHP	0.055	0.12	0.2	0.29	0.38	0.49	0.6	0.72	0.99	1.27	
		LwiA / LwoA	65 / 72	72 / 78	76 / 82	80 / 86	83 / 88	85 / 90	86 / 92	88 / 93	91 / 96	93 / 98	
250	388	RPM	1631	1978	2287	2554	2795	3028	3242	3442	3807	4141	
		BHP	0.081	0.16	0.24	0.34	0.44	0.56	0.68	0.81	1.09	1.39	
		LwiA / LwoA	69 / 75	73 / 79	78 / 83	81 / 87	83 / 89	85 / 90	87 / 92	88 / 94	91 / 96	93 / 98	
325	504	RPM	1893	2211	2479	2724	2957	3170	3365	3548	3912	4242	
		BHP	0.12	0.21	0.3	0.41	0.53	0.65	0.78	0.91	1.21	1.53	
		LwiA / LwoA	72 / 78	76 / 82	79 / 85	82 / 87	84 / 90	86 / 91	87 / 93	89 / 94	91 / 96	94 / 99	
400	620	RPM	2172	2466	2715	2937	3141	3341	3535	3716	4048	4350	
		BHP	0.17	0.27	0.38	0.5	0.62	0.76	0.9	1.04	1.35	1.68	
		LwiA / LwoA	75 / 81	79 / 85	81 / 87	84 / 89	86 / 91	87 / 93	89 / 94	90 / 95	92 / 97	94 / 99	
475	736	RPM	2465	2733	2968	3178	3369	3552	3722	3889	4218		
		BHP	0.25	0.36	0.48	0.61	0.74	0.88	1.04	1.19	1.53		
		LwiA / LwoA	79 / 85	81 / 87	83 / 89	85 / 91	87 / 93	89 / 95	90 / 96	91 / 97	93 / 98		
550	853	RPM	2766	3011	3233	3433	3617	3787	3949	4106	4396		
		BHP	0.34	0.46	0.6	0.74	0.89	1.04	1.2	1.36	1.72		
		LwiA / LwoA	82 / 88	84 / 89	86 / 91	87 / 93	89 / 95	91 / 96	92 / 97	93 / 98	95 / 100		
625	969	RPM	3075	3301	3506	3697	3873	4038	4193	4340			
		BHP	0.47	0.6	0.74	0.9	1.06	1.23	1.4	1.57			
		LwiA / LwoA	84 / 90	86 / 92	88 / 94	89 / 95	91 / 96	92 / 97	93 / 98	94 / 99			
700	1085	RPM	3391	3598	3789	3969	4138	4296	4446				
		BHP	0.62	0.76	0.91	1.08	1.26	1.44	1.63				
		LwiA / LwoA	87 / 93	88 / 94	90 / 95	91 / 96	92 / 97	93 / 98	94 / 99				
775	1202	RPM	3711	3900	4080	4248	4409						
		BHP	0.81	0.96	1.13	1.3	1.49						
		LwiA / LwoA	89 / 95	90 / 96	91 / 97	92 / 98	93 / 99						
850	1318	RPM	4033	4208	4377								
		BHP	1.04	1.2	1.37								
		LwiA / LwoA	91 / 97	92 / 98	93 / 99								

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08 USF-400 - BI

Wheel Diameter	10.5 in. 267 mm
Outlet Area	0.645 ft ² 0.06 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/3471) ³ (RPM/3827) ³
Maximum RPM	4500
Tip Speed	RPM x 2.75 ft/min. RPM x 0.014 m/s

Imperial data - Metric data



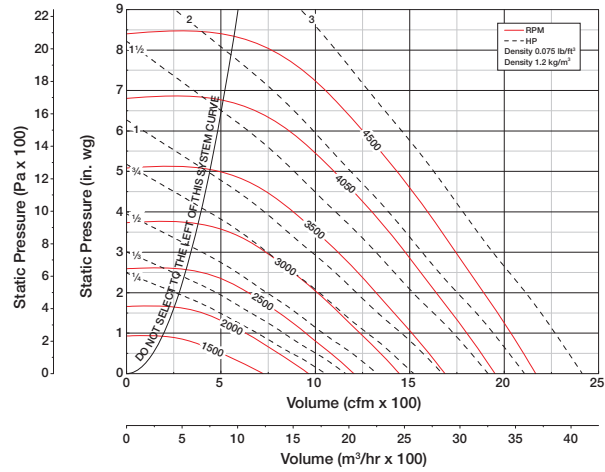
CFM	OV		Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	4	5	6	7	
200	310	RPM	1213	1633	1972								
		BHP	0.042	0.098	0.17								
		LwiA / LwoA	62 / 69	69 / 76	75 / 80								
325	504	RPM	1404	1774	2079	2350	2590	2814	3219	3577			
		BHP	0.065	0.13	0.21	0.3	0.39	0.49	0.72	0.97			
		LwiA / LwoA	66 / 73	72 / 77	76 / 81	80 / 84	83 / 87	84 / 89	87 / 91	90 / 94			
450	698	RPM	1642	1968	2249	2494	2714	2930	3314	3654	3974	4271	
		BHP	0.1	0.18	0.27	0.37	0.48	0.59	0.83	1.09	1.38	1.69	
		LwiA / LwoA	70 / 76	75 / 80	79 / 83	82 / 87	83 / 88	85 / 89	87 / 92	90 / 94	92 / 96	94 / 98	
575	891	RPM	1905	2199	2453	2681	2895	3090	3439	3777	4083	4365	
		BHP	0.15	0.24	0.35	0.46	0.58	0.7	0.97	1.26	1.57	1.89	
		LwiA / LwoA	75 / 80	79 / 83	82 / 86	84 / 88	85 / 89	86 / 90	88 / 92	90 / 94	92 / 96	94 / 98	
700	1085	RPM	2184	2453	2684	2897	3092	3277	3621	3927	4208	4488	
		BHP	0.22	0.33	0.45	0.57	0.7	0.84	1.13	1.45	1.78	2.13	
		LwiA / LwoA	79 / 83	83 / 87	84 / 88	86 / 90	87 / 91	88 / 92	90 / 94	92 / 96	93 / 97	95 / 99	
825	1279	RPM	2476	2719	2937	3133	3316	3490	3809	4111	4387		
		BHP	0.32	0.44	0.57	0.71	0.85	1	1.32	1.66	2.02		
		LwiA / LwoA	84 / 88	85 / 89	86 / 90	88 / 91	89 / 93	90 / 94	92 / 95	93 / 97	95 / 99		
950	1473	RPM	2775	2997	3200	3386	3558	3718	4025	4303			
		BHP	0.44	0.58	0.72	0.87	1.03	1.19	1.54	1.9			
		LwiA / LwoA	86 / 90	87 / 91	88 / 92	89 / 94	91 / 95	91 / 95	93 / 97	95 / 98			
1075	1667	RPM	3080	3286	3472	3648	3812	3966	4252				
		BHP	0.59	0.75	0.91	1.08	1.24	1.42	1.78				
		LwiA / LwoA	88 / 92	89 / 93	90 / 95	91 / 96	92 / 96	93 / 97	95 / 98				
1200	1860	RPM	3389	3581	3754	3918	4075	4222	4497				
		BHP	0.78	0.96	1.14	1.32	1.5	1.69	2.08				
		LwiA / LwoA	90 / 94	91 / 96	92 / 96	93 / 97	94 / 98	95 / 99	96 / 100				
1325	2054	RPM	3702	3880	4044	4196	4344	4486					
		BHP	1.01	1.21	1.4	1.6	1.8	2					
		LwiA / LwoA	92 / 96	93 / 97	94 / 98	95 / 99	96 / 100	96 / 100					
1450	2248	RPM	4017	4184	4339	4483							
		BHP	1.28	1.5	1.71	1.92							
		LwiA / LwoA	94 / 98	95 / 99	96 / 100	97 / 101							

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09 USF-400 - BI

Wheel Diameter	10.5 in. 267 mm
Outlet Area	0.645 ft ² 0.06 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/3304) ³ (RPM/3643) ³
Maximum RPM	4500
Tip Speed	RPM x 2.75 ft/min. RPM x 0.014 m/s

Imperial data - Metric data



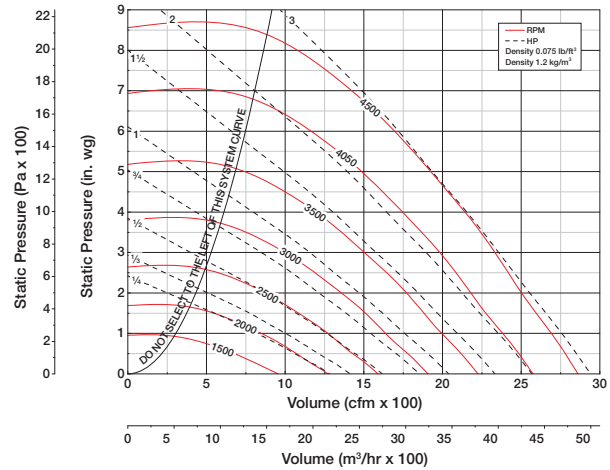
CFM	OV		Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	4	5	6	7	
300	465	RPM	1227	1613	1934	2213							
		BHP	0.05	0.11	0.18	0.26							
		LwiA / LwoA	63 / 69	70 / 74	75 / 79	79 / 83							
450	698	RPM	1419	1764	2045	2302	2531	2747	3141	3489			
		BHP	0.079	0.15	0.23	0.32	0.42	0.53	0.76	1.02			
		LwiA / LwoA	67 / 73	72 / 77	76 / 80	79 / 83	82 / 87	84 / 88	87 / 91	90 / 93			
600	930	RPM	1650	1957	2219	2453	2662	2858	3226	3555	3868	4157	
		BHP	0.12	0.21	0.3	0.4	0.51	0.63	0.88	1.15	1.45	1.77	
		LwiA / LwoA	72 / 76	76 / 79	79 / 83	82 / 86	83 / 87	84 / 88	87 / 91	90 / 93	92 / 95	94 / 97	
750	1163	RPM	1903	2177	2417	2633	2835	3022	3357	3670	3963	4233	
		BHP	0.18	0.28	0.39	0.51	0.63	0.75	1.02	1.32	1.63	1.97	
		LwiA / LwoA	76 / 80	79 / 83	82 / 86	84 / 88	85 / 89	86 / 90	88 / 91	90 / 93	92 / 95	94 / 97	
900	1395	RPM	2167	2417	2638	2839	3027	3200	3529	3823	4090	4353	
		BHP	0.26	0.38	0.5	0.63	0.77	0.91	1.21	1.52	1.85	2.2	
		LwiA / LwoA	80 / 84	82 / 87	84 / 88	85 / 89	86 / 90	87 / 91	89 / 93	91 / 94	93 / 96	95 / 97	
1050	1628	RPM	2440	2672	2875	3062	3235	3404	3710	3997	4261		
		BHP	0.37	0.51	0.64	0.78	0.93	1.09	1.41	1.76	2.12		
		LwiA / LwoA	84 / 88	85 / 89	86 / 90	87 / 91	88 / 92	89 / 93	91 / 94	92 / 96	94 / 97		
1200	1860	RPM	2722	2935	3125	3299	3465	3618	3913	4183	4437		
		BHP	0.51	0.66	0.82	0.97	1.13	1.3	1.65	2.02	2.41		
		LwiA / LwoA	86 / 90	87 / 91	88 / 92	89 / 93	90 / 94	90 / 95	92 / 96	94 / 97	95 / 98		
1350	2093	RPM	3010	3204	3385	3548	3702	3851	4124	4387			
		BHP	0.68	0.85	1.03	1.2	1.38	1.56	1.92	2.33			
		LwiA / LwoA	88 / 92	89 / 93	90 / 94	90 / 95	91 / 96	92 / 96	94 / 97	95 / 98			
1500	2326	RPM	3302	3478	3649	3806	3951	4090	4354				
		BHP	0.89	1.07	1.27	1.46	1.66	1.85	2.25				
		LwiA / LwoA	90 / 94	91 / 95	92 / 96	92 / 97	93 / 97	94 / 98	95 / 99				
1650	2558	RPM	3597	3760	3918	4068	4208	4340					
		BHP	1.14	1.34	1.55	1.77	1.98	2.2					
		LwiA / LwoA	92 / 97	93 / 97	93 / 98	94 / 99	95 / 99	95 / 100					
1800	2791	RPM	3894	4047	4192	4335	4470						
		BHP	1.44	1.65	1.87	2.11	2.36						
		LwiA / LwoA	94 / 98	95 / 99	95 / 100	96 / 100	96 / 101						

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10 USF-400 - BI

Wheel Diameter	10.5 in. 267 mm
Outlet Area	0.645 ft ² 0.06 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/3127) ³ (RPM/3448) ³
Maximum RPM	4500
Tip Speed	RPM x 2.75 ft/min. RPM x 0.014 m/s

Imperial data - Metric data



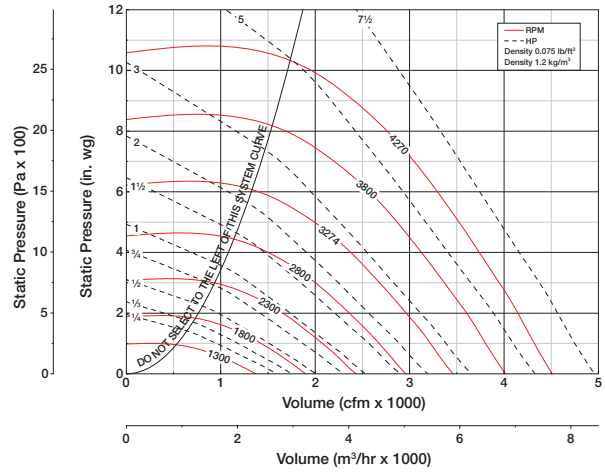
CFM	OV		Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	4	5	6	7	
400	620	RPM	1221	1610	1918								
		BHP	0.058	0.13	0.21								
		LwiA / LwoA	63 / 68	70 / 73	74 / 77								
600	930	RPM	1414	1756	2039	2297	2526	2733					
		BHP	0.092	0.17	0.27	0.37	0.48	0.6					
		LwiA / LwoA	67 / 72	71 / 74	75 / 78	77 / 81	80 / 85	82 / 86					
800	1240	RPM	1643	1948	2207	2441	2650	2853	3219	3543	3836		
		BHP	0.14	0.24	0.35	0.46	0.59	0.72	1.01	1.32	1.64		
		LwiA / LwoA	70 / 75	73 / 77	76 / 81	79 / 84	81 / 85	82 / 86	85 / 88	88 / 90	90 / 92		
1000	1550	RPM	1901	2168	2407	2620	2820	3007	3343	3663	3955	4224	
		BHP	0.22	0.33	0.45	0.58	0.72	0.87	1.17	1.51	1.87	2.25	
		LwiA / LwoA	74 / 78	76 / 81	79 / 84	80 / 86	82 / 86	83 / 87	86 / 88	88 / 90	90 / 92	92 / 94	
1200	1860	RPM	2177	2410	2627	2827	3013	3184	3511	3805	4077	4345	
		BHP	0.33	0.45	0.59	0.74	0.89	1.04	1.38	1.74	2.12	2.53	
		LwiA / LwoA	78 / 82	80 / 85	81 / 86	82 / 87	83 / 88	84 / 88	87 / 90	89 / 91	91 / 93	92 / 94	
1400	2171	RPM	2459	2669	2863	3050	3224	3389	3691	3976	4241	4486	
		BHP	0.46	0.61	0.76	0.93	1.1	1.27	1.63	2.02	2.43	2.85	
		LwiA / LwoA	82 / 87	83 / 88	83 / 88	84 / 88	85 / 89	86 / 90	88 / 91	90 / 92	91 / 94	93 / 95	
1600	2481	RPM	2742	2943	3119	3286	3449	3606	3896	4161	4413		
		BHP	0.64	0.81	0.98	1.15	1.34	1.53	1.93	2.33	2.77		
		LwiA / LwoA	84 / 89	85 / 89	85 / 89	86 / 90	87 / 91	88 / 91	90 / 92	91 / 94	93 / 95		
1800	2791	RPM	3029	3225	3385	3540	3687	3833	4111	4368			
		BHP	0.86	1.05	1.24	1.43	1.63	1.84	2.27	2.72			
		LwiA / LwoA	87 / 91	87 / 91	88 / 91	88 / 92	89 / 92	90 / 93	91 / 94	92 / 95			
2000	3101	RPM	3326	3505	3661	3801	3942	4075	4336				
		BHP	1.14	1.34	1.55	1.76	1.98	2.2	2.66				
		LwiA / LwoA	89 / 92	89 / 93	90 / 93	90 / 94	91 / 94	91 / 95	93 / 96				
2200	3411	RPM	3625	3788	3943	4076	4202	4330					
		BHP	1.47	1.69	1.92	2.15	2.38	2.62					
		LwiA / LwoA	91 / 94	91 / 95	92 / 95	92 / 95	93 / 96	93 / 96					
2400	3721	RPM	3927	4074	4224	4355	4474						
		BHP	1.86	2.1	2.35	2.6	2.85						
		LwiA / LwoA	93 / 96	93 / 96	94 / 97	94 / 97	95 / 98						

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12 USF-400 - BI

Wheel Diameter	12.25 in. 311 mm
Outlet Area	0.86 ft ² 0.08 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/2347) ³ (RPM/2588) ³
Maximum RPM	4270
Tip Speed	RPM x 3.21 ft/min. RPM x 0.016 m/s

Imperial data - Metric data



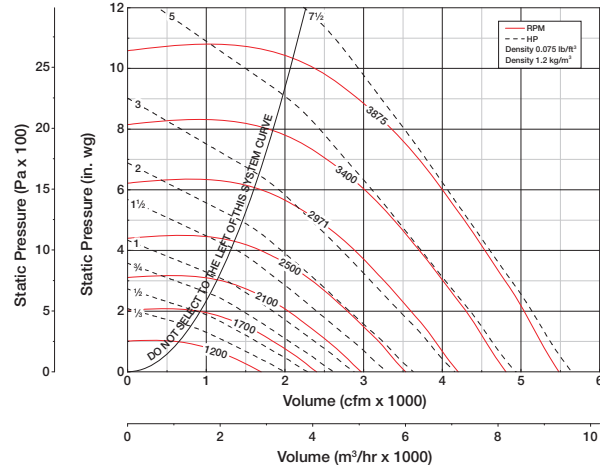
CFM	OV	Static Pressure in Inches wg											
		0.5	1	2	3	4	5	6	7	8	9		
600	698	RPM	1022	1347									
		BHP	0.077	0.16									
		LwiA / LwoA	62 / 67	72 / 73									
950	1105	RPM	1233	1499	1938	2312							
		BHP	0.14	0.25	0.49	0.79							
		LwiA / LwoA	68 / 72	72 / 75	79 / 81	83 / 86							
1300	1512	RPM	1492	1714	2096	2429	2723	3002					
		BHP	0.26	0.39	0.68	1	1.35	1.76					
		LwiA / LwoA	73 / 78	75 / 80	80 / 83	84 / 87	87 / 90	90 / 92					
1650	1919	RPM	1774	1966	2298	2598	2866	3124	3359	3578	3798	4005	
		BHP	0.43	0.59	0.93	1.3	1.69	2.12	2.56	3.03	3.56	4.11	
		LwiA / LwoA	78 / 83	79 / 85	82 / 87	85 / 91	87 / 91	89 / 92	92 / 93	94 / 95	96 / 96	98 / 97	
2000	2326	RPM	2070	2238	2535	2800	3051	3285	3502	3716	3916	4105	
		BHP	0.67	0.86	1.26	1.68	2.12	2.59	3.08	3.59	4.12	4.67	
		LwiA / LwoA	82 / 88	83 / 89	85 / 92	87 / 93	88 / 93	90 / 94	92 / 95	94 / 96	95 / 97	97 / 98	
2350	2733	RPM	2380	2523	2793	3036	3260	3474	3683	3878	4061	4248	
		BHP	1.01	1.22	1.68	2.16	2.65	3.17	3.71	4.26	4.83	5.43	
		LwiA / LwoA	86 / 93	87 / 95	88 / 95	89 / 95	90 / 95	92 / 96	93 / 96	94 / 97	96 / 98	97 / 99	
2700	3140	RPM	2695	2817	3063	3287	3497	3693	3876	4066	4246		
		BHP	1.46	1.69	2.21	2.75	3.3	3.86	4.44	5.05	5.67		
		LwiA / LwoA	90 / 98	90 / 98	91 / 97	91 / 97	92 / 98	94 / 98	94 / 99	95 / 99	96 / 100		
3050	3547	RPM	3013	3123	3343	3551	3746	3931	4108				
		BHP	2.03	2.29	2.86	3.46	4.07	4.69	5.32				
		LwiA / LwoA	92 / 100	93 / 100	93 / 100	94 / 100	95 / 100	95 / 100	96 / 101				
3400	3953	RPM	3334	3434	3632	3826	4007	4181					
		BHP	2.74	3.03	3.65	4.31	4.98	5.65					
		LwiA / LwoA	95 / 102	95 / 102	96 / 102	96 / 102	96 / 102	97 / 102					
3750	4360	RPM	3655	3749	3926	4106							
		BHP	3.6	3.93	4.58	5.3							
		LwiA / LwoA	97 / 103	97 / 103	98 / 103	98 / 104							
4100	4767	RPM	3978	4067	4228								
		BHP	4.63	5	5.7								
		LwiA / LwoA	99 / 105	99 / 105	100 / 105								

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13 USF-400 - BI

Wheel Diameter	13.5 in. 343 mm
Outlet Area	1.05 ft ² 0.10 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/3242) ³ (RPM/3574) ³
Maximum RPM	3875
Tip Speed	RPM x 3.53 ft/min. RPM x 0.018 m/s

Imperial data - Metric data



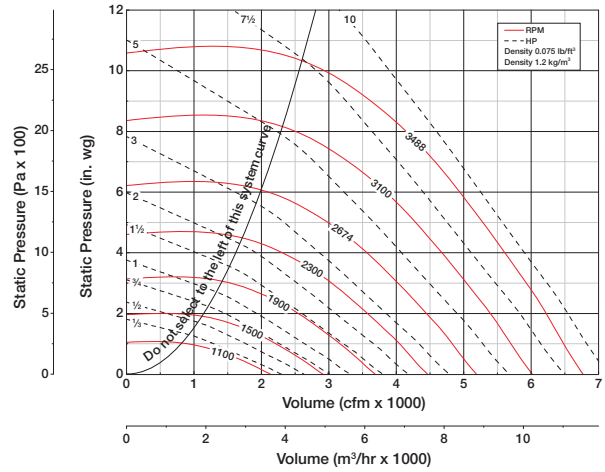
CFM	OV		Static Pressure in Inches wg										
			0.5	1	2	3	4	5	6	7	8	9	
800	762	RPM	955	1239									
		BHP	0.1	0.21									
		LwiA / LwoA	63 / 68	72 / 73									
1200	1143	RPM	1143	1379	1773	2106							
		BHP	0.19	0.32	0.62	0.98							
		LwiA / LwoA	69 / 73	73 / 76	79 / 81	84 / 86							
1600	1524	RPM	1367	1566	1911	2211	2478	2728					
		BHP	0.32	0.48	0.84	1.23	1.66	2.15					
		LwiA / LwoA	74 / 79	76 / 80	80 / 84	84 / 88	88 / 91	90 / 92					
2000	1905	RPM	1608	1782	2083	2356	2600	2834	3047	3246	3446	3633	
		BHP	0.52	0.71	1.12	1.57	2.05	2.57	3.11	3.68	4.32	4.99	
		LwiA / LwoA	78 / 84	79 / 85	83 / 88	85 / 91	88 / 92	90 / 93	92 / 94	95 / 95	97 / 96	99 / 97	
2400	2286	RPM	1859	2014	2285	2526	2757	2969	3169	3364	3545	3716	
		BHP	0.79	1.02	1.5	2	2.54	3.1	3.69	4.31	4.95	5.61	
		LwiA / LwoA	82 / 88	83 / 89	86 / 92	88 / 93	89 / 94	91 / 94	93 / 95	95 / 96	96 / 97	98 / 98	
2800	2667	RPM	2124	2256	2504	2727	2931	3130	3321	3498	3668	3838	
		BHP	1.17	1.42	1.97	2.54	3.13	3.75	4.39	5.06	5.74	6.46	
		LwiA / LwoA	86 / 93	87 / 94	89 / 95	90 / 95	91 / 96	92 / 96	93 / 97	95 / 98	96 / 98	98 / 99	
3200	3048	RPM	2392	2506	2733	2939	3132	3312	3483	3657	3821		
		BHP	1.66	1.94	2.56	3.19	3.84	4.51	5.21	5.94	6.68		
		LwiA / LwoA	90 / 98	90 / 98	91 / 98	92 / 98	93 / 98	94 / 98	95 / 99	96 / 99	97 / 100		
3600	3429	RPM	2664	2765	2971	3162	3342	3513	3675	3827			
		BHP	2.28	2.59	3.27	3.97	4.69	5.43	6.18	6.94			
		LwiA / LwoA	92 / 100	93 / 100	93 / 100	94 / 100	95 / 100	96 / 101	96 / 101	97 / 101			
4000	3810	RPM	2937	3030	3216	3395	3563	3723					
		BHP	3.05	3.39	4.12	4.9	5.68	6.48					
		LwiA / LwoA	95 / 102	95 / 102	96 / 102	96 / 102	97 / 102	97 / 102					
4400	4190	RPM	3212	3298	3465	3634	3792						
		BHP	3.98	4.36	5.13	5.98	6.84						
		LwiA / LwoA	97 / 104	97 / 104	98 / 104	98 / 104	99 / 104						
4800	4571	RPM	3486	3569	3719								
		BHP	5.08	5.5	6.32								
		LwiA / LwoA	99 / 106	99 / 106	100 / 105								

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15 USF-400 - BI

Wheel Diameter	15 in. 381 mm
Outlet Area	1.29 ft ² 0.12 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/1675) ³ (RPM/1847) ³
Maximum RPM	3488
Tip Speed	RPM x 3.93 ft/min. RPM x 0.020 m/s

Imperial data - Metric data



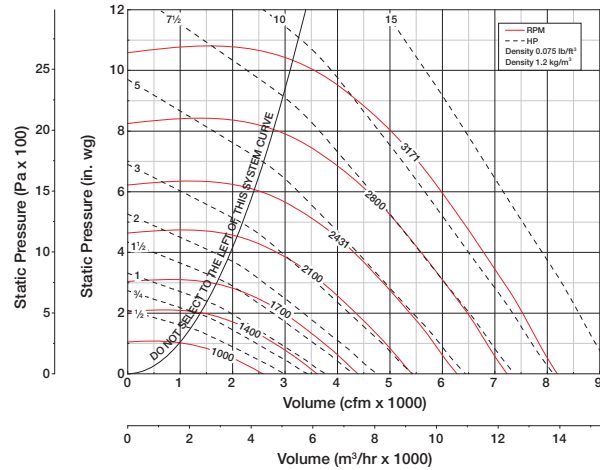
CFM	OV	Static Pressure in Inches wg											
		0.5	1	2	3	4	5	6	7	8	9		
1000	775	RPM	863	1118									
		BHP	0.13	0.26									
		LwiA / LwoA	64 / 69	73 / 73									
1500	1163	RPM	1035	1246	1599	1897							
		BHP	0.24	0.4	0.77	1.22							
		LwiA / LwoA	70 / 74	73 / 76	80 / 82	84 / 86							
2000	1550	RPM	1240	1419	1727	1995	2235	2458	2668				
		BHP	0.4	0.61	1.05	1.54	2.07	2.67	3.34				
		LwiA / LwoA	74 / 79	76 / 81	81 / 84	85 / 88	88 / 91	91 / 93	94 / 94				
2500	1938	RPM	1461	1616	1886	2129	2347	2557	2748	2926	3105	3274	
		BHP	0.65	0.9	1.41	1.97	2.57	3.21	3.88	4.58	5.37	6.2	
		LwiA / LwoA	79 / 84	80 / 86	83 / 88	86 / 91	89 / 92	91 / 93	93 / 94	95 / 95	98 / 97	99 / 98	
3000	2326	RPM	1691	1828	2071	2287	2492	2683	2860	3035	3199	3353	
		BHP	1	1.29	1.89	2.52	3.19	3.89	4.62	5.39	6.19	7	
		LwiA / LwoA	83 / 89	84 / 90	86 / 92	88 / 94	90 / 94	91 / 95	93 / 95	95 / 96	97 / 97	98 / 98	
3500	2713	RPM	1932	2050	2271	2471	2654	2830	3001	3160	3311	3464	
		BHP	1.49	1.81	2.49	3.2	3.93	4.7	5.51	6.34	7.19	8.08	
		LwiA / LwoA	87 / 93	88 / 94	89 / 96	90 / 96	92 / 96	93 / 97	94 / 97	96 / 98	97 / 99	98 / 99	
4000	3101	RPM	2177	2278	2481	2665	2838	2999	3150	3306	3453		
		BHP	2.12	2.46	3.24	4.03	4.85	5.68	6.54	7.45	8.38		
		LwiA / LwoA	91 / 98	91 / 98	92 / 98	93 / 98	94 / 98	95 / 99	96 / 99	96 / 100	97 / 100		
4500	3488	RPM	2424	2515	2698	2869	3030	3183	3328	3464			
		BHP	2.91	3.3	4.14	5.03	5.92	6.84	7.78	8.73			
		LwiA / LwoA	93 / 100	93 / 100	94 / 100	95 / 100	96 / 101	97 / 101	97 / 101	98 / 102			
5000	3876	RPM	2674	2757	2921	3082	3232	3375					
		BHP	3.9	4.32	5.23	6.2	7.19	8.19					
		LwiA / LwoA	96 / 102	96 / 102	96 / 102	97 / 103	98 / 103	98 / 103					
5500	4264	RPM	2924	3002	3149	3299	3441						
		BHP	5.08	5.56	6.52	7.58	8.66						
		LwiA / LwoA	98 / 104	98 / 104	99 / 104	99 / 104	99 / 105						
6000	4651	RPM	3174	3248	3382								
		BHP	6.49	7.02	8.04								
		LwiA / LwoA	100 / 106	100 / 106	100 / 106								

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16 USF-400 - BI

Wheel Diameter	16.5 in. 419 mm
Outlet Area	1.57 ft ² 0.15 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/1426) ³ (RPM/1576) ³
Maximum RPM	3171
Tip Speed	RPM x 4.32 ft/min. RPM x 0.022 m/s

Imperial data - Metric data



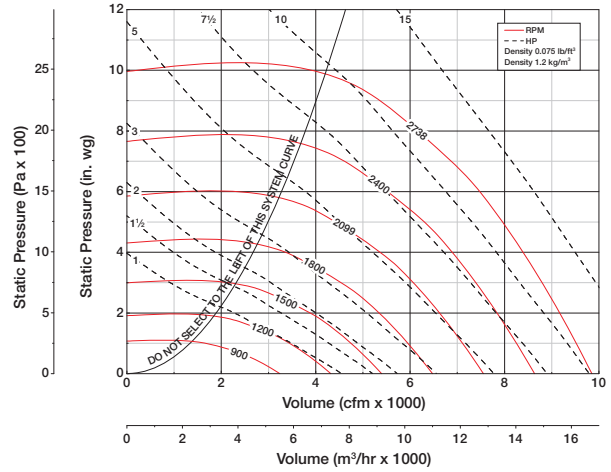
CFM	OV		Static Pressure in Inches wg										
			0.5	1	2	3	4	5	6	7	8	9	
1300	828	RPM	805	1031									
		BHP	0.17	0.33									
		LwiA / LwoA	65 / 69	73 / 74									
1900	1210	RPM	966	1152	1468	1733							
		BHP	0.31	0.51	0.98	1.51							
		LwiA / LwoA	71 / 75	74 / 77	80 / 82	85 / 87							
2500	1592	RPM	1154	1312	1587	1827	2045	2242	2433				
		BHP	0.52	0.77	1.32	1.92	2.58	3.3	4.11				
		LwiA / LwoA	75 / 80	77 / 82	81 / 85	85 / 88	89 / 91	91 / 93	94 / 94				
3100	1975	RPM	1354	1492	1735	1953	2150	2337	2511	2671	2830	2984	
		BHP	0.84	1.14	1.77	2.46	3.19	3.98	4.8	5.65	6.59	7.6	
		LwiA / LwoA	80 / 85	81 / 86	84 / 89	87 / 91	89 / 93	91 / 93	94 / 94	96 / 96	98 / 97	99 / 98	
3700	2357	RPM	1563	1685	1903	2098	2281	2454	2612	2771	2920	3059	
		BHP	1.28	1.63	2.36	3.13	3.95	4.81	5.7	6.64	7.62	8.61	
		LwiA / LwoA	84 / 89	84 / 90	87 / 93	89 / 94	90 / 94	92 / 95	94 / 96	96 / 97	97 / 98	99 / 99	
4300	2739	RPM	1781	1886	2085	2265	2431	2587	2743	2887	3022	3160	
		BHP	1.87	2.26	3.11	3.97	4.87	5.81	6.79	7.8	8.84	9.93	
		LwiA / LwoA	87 / 94	88 / 95	90 / 96	91 / 96	92 / 96	93 / 97	95 / 97	96 / 98	97 / 99	99 / 100	
4900	3121	RPM	2002	2092	2275	2441	2597	2743	2878	3019	3153		
		BHP	2.65	3.07	4.02	4.99	5.98	7.01	8.05	9.16	10.29		
		LwiA / LwoA	91 / 98	92 / 98	92 / 98	93 / 98	94 / 98	95 / 99	96 / 99	97 / 100	98 / 100		
5500	3503	RPM	2225	2307	2471	2626	2771	2909	3041	3164			
		BHP	3.63	4.09	5.12	6.2	7.3	8.42	9.56	10.72			
		LwiA / LwoA	94 / 100	94 / 100	95 / 100	95 / 100	96 / 101	97 / 101	98 / 101	98 / 102			
6100	3885	RPM	2450	2525	2673	2818	2954	3084					
		BHP	4.83	5.34	6.45	7.63	8.84	10.05					
		LwiA / LwoA	96 / 102	96 / 102	97 / 102	97 / 102	98 / 103	99 / 103					
6700	4268	RPM	2675	2746	2879	3015	3143						
		BHP	6.27	6.85	8.02	9.3	10.62						
		LwiA / LwoA	98 / 104	99 / 104	99 / 104	99 / 104	100 / 105						
7300	4650	RPM	2901	2968	3090								
		BHP	7.97	8.62	9.87								
		LwiA / LwoA	100 / 106	101 / 106	101 / 106								

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18 USF-400 - BI

Wheel Diameter	18.25 in. 464 mm
Outlet Area	1.92 ft ² 0.18 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/1206) ³ (RPM/1330) ³
Maximum RPM	2738
Tip Speed	RPM x 4.78 ft/min. RPM x 0.024 m/s

Imperial data - Metric data



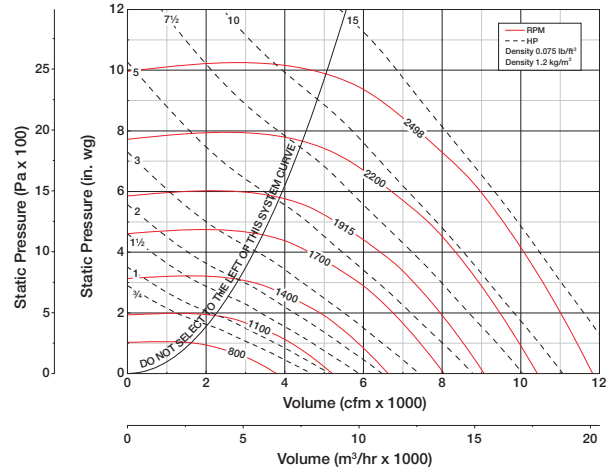
CFM	OV		Static Pressure in Inches wg												
			0.5	1	2	3	4	5	6	7	8	9			
2000	1042	RPM	761	942	1241										
		BHP	0.25	0.44	0.9										
		LwiA / LwoA	68 / 72	73 / 76	79 / 80										
2700	1406	RPM	907	1054	1315	1539	1744								
		BHP	0.42	0.66	1.19	1.79	2.47								
		LwiA / LwoA	74 / 78	77 / 80	81 / 83	84 / 86	88 / 89								
3400	1771	RPM	1072	1190	1419	1623	1806	1980	2144						
		BHP	0.68	0.96	1.58	2.26	2.98	3.77	4.63						
		LwiA / LwoA	80 / 82	81 / 84	84 / 86	87 / 89	89 / 90	91 / 92	93 / 93						
4100	2135	RPM	1245	1346	1539	1728	1898	2058	2204	2349	2489	2620			
		BHP	1.05	1.37	2.08	2.85	3.66	4.51	5.38	6.34	7.36	8.4			
		LwiA / LwoA	84 / 87	85 / 87	87 / 89	90 / 91	91 / 92	92 / 93	94 / 95	96 / 96	98 / 98	99 / 99			
4800	2500	RPM	1425	1513	1682	1846	2006	2155	2294	2428	2553	2676			
		BHP	1.54	1.92	2.7	3.56	4.46	5.41	6.38	7.38	8.41	9.49			
		LwiA / LwoA	88 / 90	88 / 90	90 / 92	91 / 93	93 / 94	94 / 95	95 / 97	97 / 98	99 / 99	100 / 99			
5500	2865	RPM	1608	1686	1836	1981	2125	2265	2398	2523	2644				
		BHP	2.18	2.61	3.49	4.43	5.42	6.45	7.52	8.61	9.74				
		LwiA / LwoA	91 / 93	92 / 94	93 / 94	94 / 95	95 / 96	96 / 98	97 / 99	98 / 100	99 / 100				
6200	3229	RPM	1794	1864	1999	2129	2257	2384	2510	2630					
		BHP	2.99	3.47	4.46	5.47	6.55	7.67	8.83	10.01					
		LwiA / LwoA	94 / 96	94 / 96	95 / 97	96 / 98	97 / 99	98 / 100	99 / 101	100 / 101					
6900	3594	RPM	1982	2045	2167	2286	2401	2517	2631						
		BHP	4	4.53	5.62	6.73	7.87	9.08	10.33						
		LwiA / LwoA	96 / 98	96 / 99	97 / 99	98 / 100	99 / 101	100 / 102	100 / 103						
7600	3958	RPM	2171	2227	2339	2449	2557	2661							
		BHP	5.23	5.8	7.01	8.21	9.44	10.71							
		LwiA / LwoA	98 / 101	99 / 101	99 / 102	100 / 103	101 / 104	101 / 104							
8300	4323	RPM	2361	2412	2516	2618	2716								
		BHP	6.69	7.3	8.61	9.93	11.25								
		LwiA / LwoA	101 / 104	101 / 104	102 / 105	102 / 105	103 / 105								
9000	4688	RPM	2551	2599	2696										
		BHP	8.41	9.08	10.48										
		LwiA / LwoA	103 / 106	103 / 106	103 / 107										

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20 USF-400 - BI

Wheel Diameter	20 in. 508 mm
Outlet Area	2.3 ft ² 0.21 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/1035) ³ (RPM/1141) ³
Maximum RPM	2498
Tip Speed	RPM x 5.24 ft/min. RPM x 0.027 m/s

Imperial data - Metric data



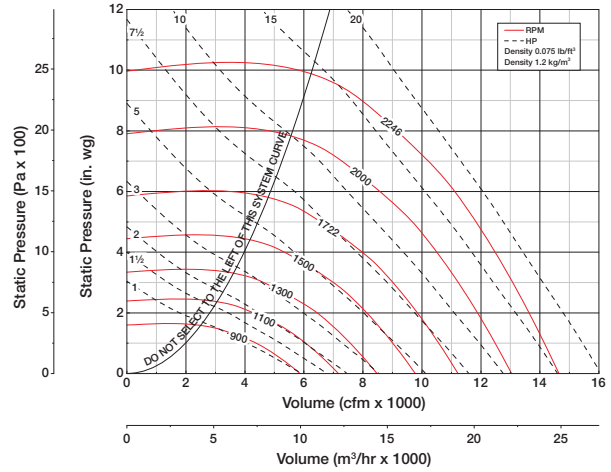
CFM	OV		Static Pressure in Inches wg										
			0.5	1	2	3	4	5	6	7	8	9	
2500	1087	RPM	708	870	1138								
		BHP	0.32	0.56	1.12								
		LwiA / LwoA	69 / 73	74 / 76	79 / 81								
3300	1435	RPM	837	969	1206	1408	1595						
		BHP	0.52	0.81	1.46	2.18	3						
		LwiA / LwoA	75 / 78	77 / 80	81 / 84	85 / 86	89 / 90						
4100	1783	RPM	981	1089	1297	1483	1650	1808	1957				
		BHP	0.82	1.16	1.91	2.73	3.59	4.55	5.57				
		LwiA / LwoA	80 / 82	81 / 84	84 / 86	87 / 89	90 / 91	92 / 92	94 / 94				
4900	2130	RPM	1132	1225	1401	1574	1729	1875	2009	2142	2270	2390	
		BHP	1.24	1.63	2.48	3.4	4.37	5.39	6.44	7.59	8.8	10.05	
		LwiA / LwoA	85 / 87	85 / 87	87 / 89	90 / 92	91 / 93	93 / 94	94 / 95	96 / 96	98 / 98	99 / 99	
5700	2478	RPM	1288	1369	1524	1676	1822	1959	2087	2209	2324	2438	
		BHP	1.79	2.25	3.18	4.21	5.28	6.4	7.56	8.76	9.98	11.3	
		LwiA / LwoA	88 / 90	88 / 90	90 / 92	92 / 94	93 / 95	94 / 96	96 / 97	97 / 98	99 / 99	100 / 99	
6500	2826	RPM	1446	1518	1658	1792	1925	2053	2176	2290	2402		
		BHP	2.51	3.02	4.06	5.17	6.36	7.58	8.85	10.15	11.48		
		LwiA / LwoA	91 / 93	92 / 93	93 / 95	94 / 95	95 / 97	96 / 98	97 / 99	98 / 100	99 / 100		
7300	3174	RPM	1607	1672	1797	1918	2037	2156	2272	2383	2488		
		BHP	3.41	3.98	5.14	6.33	7.61	8.94	10.31	11.72	13.16		
		LwiA / LwoA	94 / 96	94 / 96	95 / 97	96 / 98	97 / 99	98 / 100	99 / 101	99 / 101	100 / 102		
8100	3522	RPM	1770	1829	1943	2054	2162	2268	2376	2482			
		BHP	4.51	5.14	6.42	7.72	9.07	10.5	11.98	13.49			
		LwiA / LwoA	96 / 98	96 / 99	97 / 99	98 / 100	99 / 101	99 / 102	100 / 102	101 / 103			
8900	3870	RPM	1934	1987	2092	2194	2294	2392	2489				
		BHP	5.85	6.52	7.94	9.35	10.8	12.3	13.87				
		LwiA / LwoA	98 / 101	99 / 101	99 / 102	100 / 103	100 / 103	101 / 104	102 / 104				
9700	4217	RPM	2099	2147	2244	2340	2432						
		BHP	7.44	8.16	9.69	11.23	12.79						
		LwiA / LwoA	100 / 104	101 / 104	101 / 104	102 / 105	102 / 105						
10500	4565	RPM	2264	2309	2400	2487							
		BHP	9.31	10.08	11.72	13.39							
		LwiA / LwoA	102 / 106	103 / 106	103 / 106	103 / 106							

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22 USF-400 - BI

Wheel Diameter	22.25 in. 565 mm
Outlet Area	2.85 ft ² 0.26 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/867) ³ (RPM/956) ³
Maximum RPM	2246
Tip Speed	RPM x 5.83 ft/min. RPM x 0.030 m/s

Imperial data - Metric data



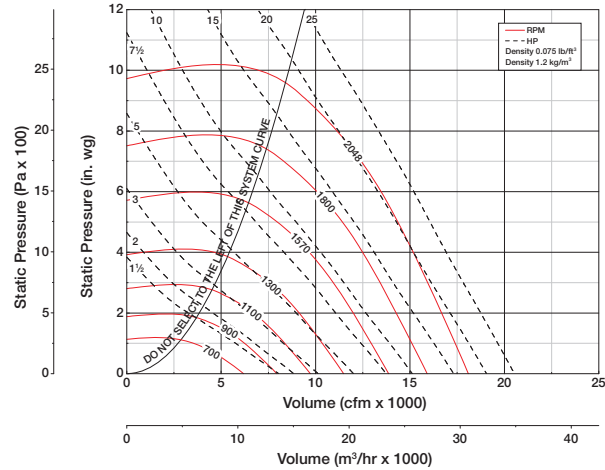
CFM	OV		Static Pressure in Inches wg												
			0.5	1	2	3	4	5	6	7	8	9			
3000	1053	RPM	627	775	1019										
		BHP	0.38	0.67	1.35										
		LwiA / LwoA	69 / 72	73 / 76	80 / 81										
4000	1404	RPM	742	863	1078	1262	1430								
		BHP	0.62	0.98	1.77	2.65	3.66								
		LwiA / LwoA	74 / 77	77 / 79	82 / 84	85 / 86	89 / 89								
5000	1754	RPM	872	970	1159	1327	1478	1622	1756						
		BHP	0.99	1.4	2.32	3.32	4.38	5.56	6.82						
		LwiA / LwoA	80 / 82	81 / 84	84 / 86	88 / 89	90 / 91	92 / 92	94 / 94						
6000	2105	RPM	1008	1092	1253	1409	1549	1681	1801	1923	2038	2145			
		BHP	1.5	1.98	3.01	4.15	5.34	6.59	7.88	9.31	10.81	12.35			
		LwiA / LwoA	85 / 87	85 / 87	87 / 89	90 / 92	92 / 93	93 / 94	95 / 95	97 / 97	98 / 98	99 / 99			
7000	2456	RPM	1150	1223	1364	1502	1633	1756	1872	1982	2085	2189			
		BHP	2.18	2.73	3.88	5.15	6.47	7.85	9.28	10.75	12.26	13.89			
		LwiA / LwoA	88 / 90	89 / 91	91 / 92	92 / 94	93 / 95	95 / 96	96 / 97	98 / 98	99 / 99	100 / 100			
8000	2807	RPM	1294	1358	1484	1605	1726	1841	1952	2055	2156				
		BHP	3.06	3.69	4.97	6.34	7.8	9.31	10.87	12.48	14.13				
		LwiA / LwoA	91 / 93	92 / 94	93 / 95	94 / 96	95 / 97	96 / 98	97 / 99	99 / 100	100 / 101				
9000	3158	RPM	1440	1498	1611	1720	1827	1935	2039	2139	2234				
		BHP	4.17	4.88	6.31	7.78	9.36	11	12.69	14.43	16.21				
		LwiA / LwoA	94 / 96	95 / 96	95 / 97	96 / 98	97 / 99	98 / 100	99 / 101	100 / 102	101 / 102				
10000	3509	RPM	1588	1640	1743	1843	1940	2036	2133	2228					
		BHP	5.55	6.32	7.9	9.51	11.18	12.95	14.77	16.64					
		LwiA / LwoA	96 / 99	97 / 99	97 / 100	98 / 101	99 / 101	100 / 102	101 / 103	101 / 103					
11000	3860	RPM	1736	1784	1878	1970	2060	2149	2235						
		BHP	7.21	8.04	9.79	11.54	13.33	15.19	17.14						
		LwiA / LwoA	99 / 101	99 / 102	100 / 102	100 / 103	101 / 104	101 / 104	102 / 104						
12000	4211	RPM	1886	1929	2017	2102	2185								
		BHP	9.2	10.09	11.98	13.89	15.81								
		LwiA / LwoA	101 / 104	101 / 104	102 / 105	102 / 105	103 / 105								
13000	4561	RPM	2036	2076	2157	2236									
		BHP	11.53	12.49	14.52	16.58									
		LwiA / LwoA	103 / 106	103 / 106	103 / 107	104 / 107									

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24 USF-400 - BI

Wheel Diameter	24.5 in. 622 mm
Outlet Area	3.45 ft ² 0.32 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/750) ³ (RPM/827) ³
Maximum RPM	2048
Tip Speed	RPM x 6.41 ft/min. RPM x 0.033 m/s

Imperial data - Metric data



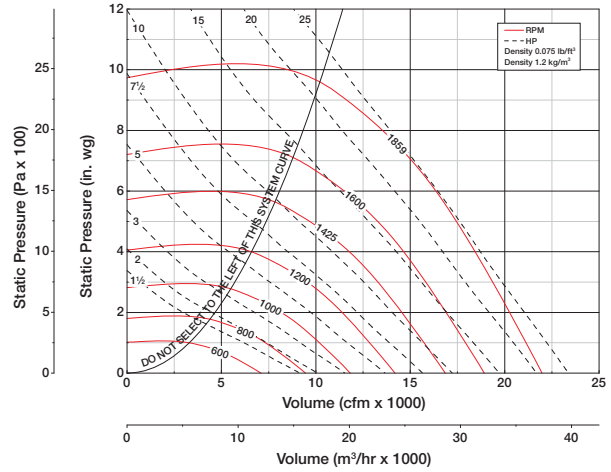
CFM	OV		Static Pressure in Inches wg										
			0.5	1	2	3	4	5	6	7	8	9	
4000	1159	RPM	601	728	943								
		BHP	0.51	0.89	1.76								
		LwiA / LwoA	69 / 74	74 / 77	79 / 80								
5200	1507	RPM	709	813	1003	1169							
		BHP	0.83	1.27	2.3	3.42							
		LwiA / LwoA	74 / 79	77 / 79	81 / 82	84 / 86							
6400	1855	RPM	826	914	1079	1230	1368	1494					
		BHP	1.27	1.8	2.96	4.24	5.61	7.04					
		LwiA / LwoA	79 / 82	81 / 83	84 / 85	86 / 89	88 / 91	90 / 92					
7600	2203	RPM	948	1025	1170	1305	1432	1551	1664	1769			
		BHP	1.88	2.5	3.79	5.21	6.73	8.35	10	11.7			
		LwiA / LwoA	83 / 86	84 / 86	86 / 89	89 / 92	89 / 93	90 / 94	92 / 95	94 / 96			
8800	2551	RPM	1073	1143	1271	1393	1509	1619	1725	1826	1923	2015	
		BHP	2.67	3.39	4.83	6.39	8.06	9.79	11.63	13.52	15.43	17.39	
		LwiA / LwoA	87 / 89	87 / 90	89 / 93	90 / 94	91 / 95	92 / 96	93 / 97	94 / 98	95 / 98	96 / 99	
10000	2899	RPM	1200	1264	1379	1488	1595	1698	1797	1892	1983		
		BHP	3.68	4.5	6.13	7.8	9.61	11.5	13.46	15.49	17.6		
		LwiA / LwoA	90 / 93	91 / 94	92 / 95	92 / 96	93 / 97	94 / 98	94 / 99	95 / 100	96 / 100		
11200	3246	RPM	1328	1387	1493	1594	1690	1785	1876	1967			
		BHP	4.94	5.86	7.7	9.52	11.43	13.47	15.57	17.74			
		LwiA / LwoA	93 / 96	94 / 96	94 / 97	94 / 98	95 / 99	96 / 100	96 / 101	96 / 101			
12400	3594	RPM	1459	1512	1612	1704	1793	1880	1966	2047			
		BHP	6.48	7.49	9.52	11.54	13.59	15.72	17.98	20.3			
		LwiA / LwoA	95 / 98	96 / 99	96 / 100	96 / 100	97 / 101	97 / 102	98 / 102	98 / 103			
13600	3942	RPM	1590	1639	1732	1818	1901	1982					
		BHP	8.33	9.42	11.66	13.89	16.08	18.35					
		LwiA / LwoA	98 / 101	98 / 101	98 / 102	98 / 103	99 / 103	99 / 103					
14800	4290	RPM	1722	1767	1854	1935	2013						
		BHP	10.52	11.7	14.14	16.56	18.96						
		LwiA / LwoA	100 / 103	100 / 104	100 / 104	100 / 104	100 / 104						
16000	4638	RPM	1854	1896	1978								
		BHP	13.08	14.34	16.98								
		LwiA / LwoA	102 / 105	102 / 105	102 / 106								

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27 USF-400 - BI

Wheel Diameter	27 in. 686 mm
Outlet Area	4.19 ft ² 0.39 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/638) ³ (RPM/703) ³
Maximum RPM	1859
Tip Speed	RPM x 5.83 ft/min. RPM x 0.030 m/s

Imperial data - Metric data



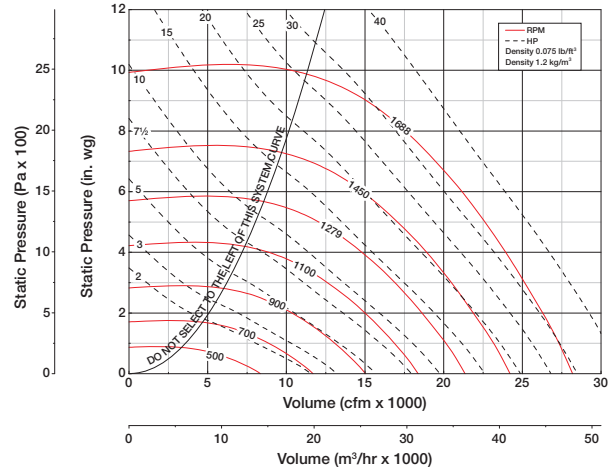
CFM	OV		Static Pressure in Inches wg										
			0.5	1	2	3	4	5	6	7	8	9	
5000	1193	RPM	554	668	860								
		BHP	0.65	1.12	2.2								
		LwiA / LwoA	69 / 75	74 / 78	80 / 80								
6500	1551	RPM	656	749	918	1067							
		BHP	1.07	1.62	2.88	4.28							
		LwiA / LwoA	75 / 79	78 / 80	82 / 83	84 / 86							
8000	1909	RPM	766	845	990	1126	1250	1364					
		BHP	1.65	2.3	3.73	5.32	7.02	8.78					
		LwiA / LwoA	80 / 83	81 / 83	84 / 86	87 / 89	89 / 92	90 / 93					
9500	2267	RPM	881	950	1077	1198	1311	1419	1520	1615	1703		
		BHP	2.44	3.22	4.81	6.58	8.45	10.45	12.5	14.6	16.75		
		LwiA / LwoA	84 / 86	85 / 87	87 / 90	89 / 92	90 / 94	91 / 95	93 / 96	94 / 97	96 / 98		
11000	2625	RPM	998	1060	1174	1282	1385	1484	1579	1668	1756	1839	
		BHP	3.48	4.39	6.18	8.11	10.17	12.31	14.58	16.92	19.3	21.72	
		LwiA / LwoA	88 / 90	88 / 91	90 / 93	91 / 95	92 / 96	93 / 97	94 / 98	95 / 99	96 / 100	97 / 100	
12500	2983	RPM	1117	1174	1277	1374	1469	1559	1648	1732	1815		
		BHP	4.81	5.84	7.88	9.95	12.18	14.52	16.94	19.44	22.05		
		LwiA / LwoA	91 / 94	92 / 95	93 / 96	93 / 97	94 / 98	95 / 99	96 / 100	96 / 101	97 / 101		
14000	3341	RPM	1238	1290	1384	1473	1558	1643	1723	1804			
		BHP	6.47	7.62	9.92	12.19	14.54	17.07	19.67	22.37			
		LwiA / LwoA	94 / 97	95 / 97	95 / 98	96 / 99	96 / 100	97 / 101	97 / 102	98 / 102			
15500	3699	RPM	1360	1407	1495	1577	1657	1732	1810				
		BHP	8.51	9.76	12.31	14.83	17.37	19.99	22.8				
		LwiA / LwoA	97 / 99	97 / 100	97 / 101	98 / 101	98 / 102	99 / 103	99 / 103				
17000	4057	RPM	1482	1526	1608	1684	1758	1830					
		BHP	10.95	12.32	15.11	17.91	20.64	23.46					
		LwiA / LwoA	99 / 102	99 / 102	99 / 103	100 / 104	100 / 104	100 / 104					
18500	4415	RPM	1606	1645	1723	1795							
		BHP	13.84	15.32	18.37	21.39							
		LwiA / LwoA	101 / 104	101 / 105	102 / 105	102 / 106							
20000	4773	RPM	1730	1766	1839								
		BHP	17.22	18.81	22.08								
		LwiA / LwoA	103 / 107	103 / 107	103 / 107								

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30 USF-400 - BI

Wheel Diameter	30 in. 762 mm
Outlet Area	5.17 ft ² 0.48 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/528) ³ (RPM/582) ³
Maximum RPM	1688
Tip Speed	RPM x 7.85 ft/min. RPM x 0.040 m/s

Imperial data - Metric data



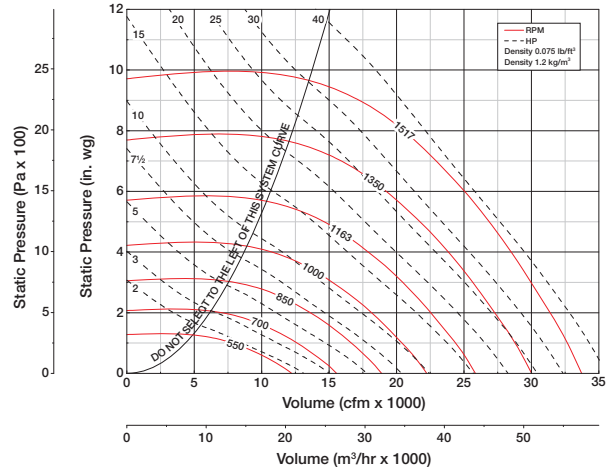
CFM	OV		Static Pressure in Inches wg																					
			0.5	1	2	3	4	5	6	7	8	9												
6000	1161	RPM	483	590	774																			
		BHP	0.76	1.33	2.65																			
		LwiA / LwoA	68 / 73	74 / 79	80 / 81																			
8000	1547	RPM	574	663	820	960	1088																	
		BHP	1.26	1.97	3.51	5.23	7.19																	
		LwiA / LwoA	74 / 80	78 / 82	83 / 83	85 / 86	88 / 90																	
10000	1934	RPM	675	750	887	1010	1127	1231	1335	1431														
		BHP	2.01	2.84	4.66	6.59	8.71	10.92	13.4	15.98														
		LwiA / LwoA	80 / 84	82 / 84	85 / 86	87 / 89	89 / 92	91 / 93	93 / 95	95 / 96														
12000	2321	RPM	782	846	966	1077	1181	1281	1374	1461	1548	1632												
		BHP	3.06	4.01	6.11	8.32	10.63	13.1	15.68	18.33	21.23	24.26												
		LwiA / LwoA	85 / 87	85 / 88	87 / 90	89 / 92	90 / 94	92 / 95	93 / 96	95 / 97	96 / 99	98 / 100												
14000	2708	RPM	892	948	1054	1154	1249	1340	1425	1510	1590	1666												
		BHP	4.49	5.55	7.89	10.4	12.99	15.66	18.43	21.38	24.38	27.46												
		LwiA / LwoA	88 / 91	89 / 91	90 / 93	92 / 95	92 / 96	93 / 97	94 / 98	95 / 99	97 / 100	98 / 101												
16000	3095	RPM	1004	1053	1149	1239	1327	1410	1490	1566	1641													
		BHP	6.34	7.52	10.1	12.88	15.76	18.71	21.74	24.84	28.06													
		LwiA / LwoA	91 / 94	92 / 95	93 / 96	94 / 97	94 / 98	95 / 99	96 / 100	96 / 101	97 / 102													
18000	3482	RPM	1117	1162	1247	1330	1410	1487	1563	1634														
		BHP	8.69	9.99	12.79	15.82	18.99	22.24	25.55	28.92														
		LwiA / LwoA	95 / 97	95 / 98	95 / 99	96 / 100	96 / 101	97 / 101	98 / 102	98 / 103														
20000	3868	RPM	1233	1273	1351	1426	1499	1571	1641															
		BHP	11.62	13.02	16.05	19.3	22.73	26.27	29.88															
		LwiA / LwoA	97 / 100	97 / 100	98 / 101	98 / 102	99 / 103	99 / 103	99 / 104															
22000	4255	RPM	1350	1384	1456	1525	1594	1660																
		BHP	15.18	16.66	19.91	23.39	27.07	30.87																
		LwiA / LwoA	100 / 103	100 / 103	100 / 104	100 / 104	100 / 105	101 / 105																
24000	4642	RPM	1467	1497	1564	1629																		
		BHP	19.42	20.96	24.46	28.19																		
		LwiA / LwoA	102 / 106	102 / 106	102 / 106	102 / 106																		
26000	5029	RPM	1585	1612	1673																			
		BHP	24.41	26.04	29.77																			
		LwiA / LwoA	104 / 108	104 / 108	104 / 108																			

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33 USF-400 - BI

Wheel Diameter	33 in. 838 mm
Outlet Area	6.26 ft ² 0.58 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/451) ³ (RPM/497) ³
Maximum RPM	1517
Tip Speed	RPM x 8.64 ft/min. RPM x 0.044 m/s

Imperial data - Metric data



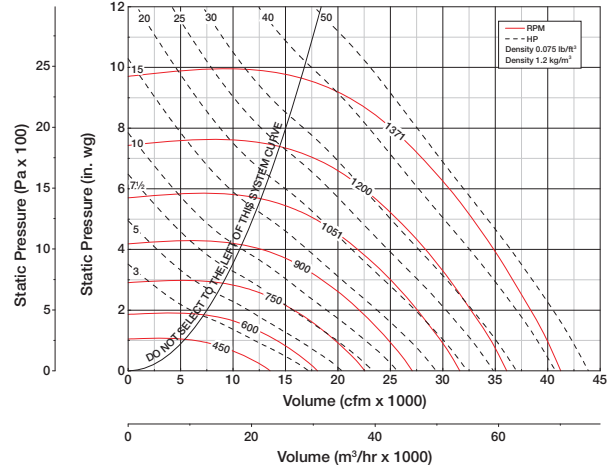
CFM	OV	Static Pressure in Inches wg											
		0.5	1	2	3	4	5	6	7	8	9		
7500	1198	RPM	447	543	706								
		BHP	0.97	1.67	3.29								
		LwiA / LwoA	69 / 74	74 / 78	81 / 81								
10000	1597	RPM	534	612	752	878	992	1097					
		BHP	1.63	2.51	4.4	6.53	8.91	11.5					
		LwiA / LwoA	75 / 80	78 / 81	83 / 83	85 / 87	88 / 90	91 / 92					
12500	1997	RPM	630	695	818	928	1032	1127	1218	1305	1386		
		BHP	2.61	3.64	5.9	8.29	10.89	13.62	16.61	19.79	23.08		
		LwiA / LwoA	80 / 84	82 / 84	85 / 87	87 / 90	89 / 92	91 / 93	93 / 95	95 / 97	97 / 98		
15000	2396	RPM	730	787	893	993	1085	1173	1258	1337	1413	1489	
		BHP	4.01	5.18	7.78	10.53	13.39	16.41	19.6	22.88	26.33	30.06	
		LwiA / LwoA	85 / 88	86 / 88	88 / 90	90 / 93	91 / 94	92 / 95	94 / 97	95 / 98	97 / 99	98 / 100	
17500	2796	RPM	834	884	977	1066	1152	1232	1307	1384	1456		
		BHP	5.9	7.22	10.12	13.24	16.45	19.76	23.16	26.77	30.49		
		LwiA / LwoA	89 / 91	90 / 92	91 / 94	92 / 96	93 / 97	94 / 98	95 / 99	96 / 100	97 / 101		
20000	3195	RPM	940	983	1068	1148	1225	1300	1371	1440	1504		
		BHP	8.36	9.82	13.02	16.46	20.06	23.72	27.47	31.31	35.21		
		LwiA / LwoA	92 / 95	93 / 96	94 / 97	94 / 98	95 / 99	96 / 100	97 / 101	97 / 102	98 / 103		
22500	3594	RPM	1047	1086	1162	1235	1306	1374	1442	1505			
		BHP	11.5	13.11	16.58	20.33	24.25	28.3	32.41	36.59			
		LwiA / LwoA	96 / 99	96 / 99	96 / 100	97 / 101	97 / 101	98 / 102	99 / 103	99 / 104			
25000	3994	RPM	1156	1190	1260	1326	1391	1455					
		BHP	15.4	17.12	20.88	24.91	29.15	33.54					
		LwiA / LwoA	98 / 101	98 / 102	99 / 102	99 / 103	99 / 104	100 / 104					
27500	4393	RPM	1266	1296	1359	1421	1481						
		BHP	20.13	21.96	25.99	30.32	34.86						
		LwiA / LwoA	101 / 104	101 / 104	101 / 105	101 / 106	102 / 106						
30000	4792	RPM	1376	1402	1461								
		BHP	25.78	27.68	32.04								
		LwiA / LwoA	103 / 107	103 / 107	103 / 107								
32500	5192	RPM	1487	1510									
		BHP	32.43	34.47									
		LwiA / LwoA	105 / 109	105 / 109									

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36 USF-400 - BI

Wheel Diameter	36.5 in. 927 mm
Outlet Area	7.66 ft ² 0.71 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/381) ³ (RPM/420) ³
Maximum RPM	1371
Tip Speed	RPM x 9.56 ft/min. RPM x 0.049 m/s

Imperial data - Metric data



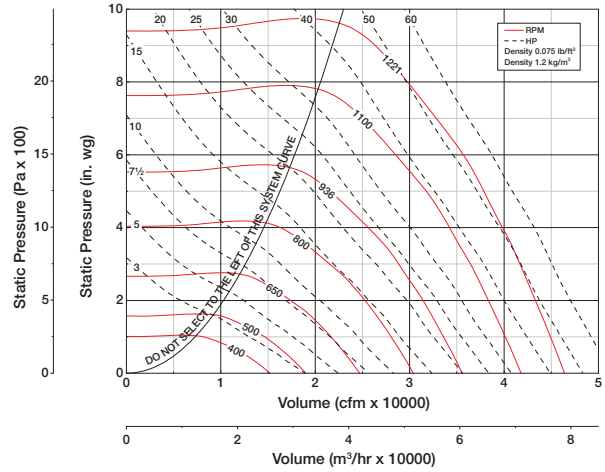
CFM	OV		Static Pressure in Inches wg												
			0.5	1	2	3	4	5	6	7	8	9			
8000	1044	RPM	377	472	629										
		BHP	0.96	1.75	3.64										
		LwiA / LwoA	67 / 72	71 / 75	80 / 81										
11000	1436	RPM	449	527	662	780	888								
		BHP	1.63	2.61	4.8	7.28	10.1								
		LwiA / LwoA	72 / 76	75 / 78	80 / 83	84 / 86	88 / 89								
14000	1828	RPM	532	596	713	819	915	1006	1091						
		BHP	2.63	3.82	6.39	9.18	12.2	15.5	19.06						
		LwiA / LwoA	78 / 81	80 / 82	83 / 85	85 / 89	87 / 90	90 / 92	93 / 94						
17000	2219	RPM	620	674	776	871	957	1042	1119	1193	1267	1336			
		BHP	4.07	5.44	8.44	11.6	14.93	18.52	22.23	26.18	30.43	34.8			
		LwiA / LwoA	83 / 86	84 / 86	86 / 89	87 / 91	89 / 92	91 / 94	93 / 95	95 / 97	98 / 98	100 / 100			
20000	2611	RPM	711	758	848	933	1012	1087	1161	1231	1297	1359			
		BHP	6.07	7.6	10.98	14.59	18.32	22.17	26.24	30.49	34.85	39.3			
		LwiA / LwoA	87 / 90	88 / 91	89 / 92	90 / 93	91 / 94	92 / 96	94 / 97	95 / 99	97 / 100	98 / 101			
23000	3003	RPM	804	845	926	1002	1075	1144	1212	1274	1339				
		BHP	8.69	10.39	14.13	18.16	22.33	26.59	30.98	35.47	40.23				
		LwiA / LwoA	91 / 94	91 / 94	91 / 94	92 / 95	93 / 97	94 / 98	95 / 99	96 / 100	98 / 101				
26000	3394	RPM	898	935	1007	1076	1143	1209	1271	1331					
		BHP	12.03	13.92	17.98	22.39	27.01	31.72	36.52	41.43					
		LwiA / LwoA	93 / 97	93 / 97	94 / 97	95 / 98	96 / 99	97 / 100	97 / 101	98 / 102					
29000	3786	RPM	994	1027	1093	1156	1217	1277	1335						
		BHP	16.24	18.28	22.7	27.44	32.44	37.6	42.86						
		LwiA / LwoA	96 / 99	96 / 100	96 / 100	97 / 101	98 / 101	99 / 102	99 / 103						
32000	4178	RPM	1091	1120	1180	1238	1295	1350							
		BHP	21.38	23.55	28.31	33.36	38.76	44.31							
		LwiA / LwoA	98 / 102	99 / 102	99 / 103	100 / 103	100 / 104	101 / 104							
35000	4569	RPM	1189	1214	1269	1323									
		BHP	27.55	29.82	34.93	40.38									
		LwiA / LwoA	101 / 105	101 / 105	101 / 105	102 / 105									
38000	4961	RPM	1286	1309	1360										
		BHP	34.83	37.22	42.71										
		LwiA / LwoA	103 / 107	103 / 107	104 / 107										

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40 USF-400 - BI

Wheel Diameter	40.25 in. 1022 mm
Outlet Area	9.31 ft ² 0.86 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/326) ³ (RPM/359) ³
Maximum RPM	1221
Tip Speed	RPM x 10.54 ft/min. RPM x 0.054 m/s

Imperial data - Metric data



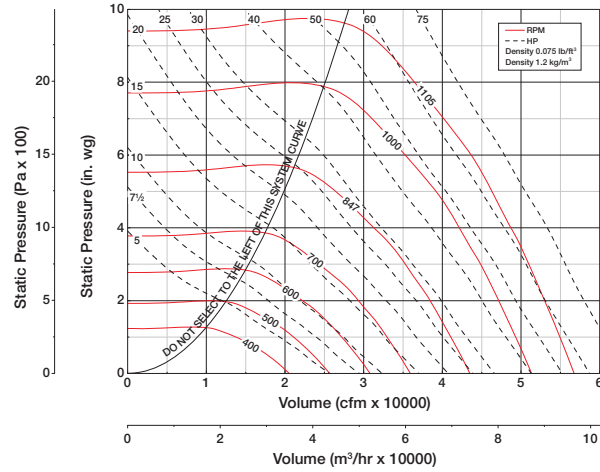
CFM	OV		Static Pressure in Inches wg												
			0.5	1	2	3	4	5	6	7	8	9			
11000	1182	RPM	366	439	563										
		BHP	1.4	2.36	4.47										
		LwiA / LwoA	70 / 75	73 / 77	79 / 82										
14000	1504	RPM	430	489	598	692									
		BHP	2.22	3.36	5.81	8.46									
		LwiA / LwoA	74 / 79	76 / 80	82 / 83	84 / 87									
17000	1826	RPM	498	548	644	730									
		BHP	3.38	4.67	7.56	10.56	13.71	17.34							
		LwiA / LwoA	79 / 82	81 / 83	84 / 86	86 / 89	88 / 91	90 / 93							
20000	2148	RPM	570	612	695	775	848	917	980	1050					
		BHP	5	6.41	9.64	13.1	16.63	20.32	24.14	28.59					
		LwiA / LwoA	84 / 87	85 / 87	86 / 89	88 / 91	90 / 93	91 / 94	92 / 95	94 / 97					
23000	2470	RPM	643	680	753	824	894	957	1019	1076	1132	1192			
		BHP	7.07	8.63	12.17	16.08	20.06	24.09	28.28	32.57	37.04	42.15			
		LwiA / LwoA	87 / 90	88 / 91	89 / 92	91 / 94	92 / 95	92 / 96	93 / 97	95 / 98	96 / 99	97 / 100			
26000	2793	RPM	718	751	817	879	943	1004	1061	1116	1169	1219			
		BHP	9.69	11.51	15.34	19.46	23.98	28.48	33.01	37.68	42.46	47.31			
		LwiA / LwoA	90 / 94	91 / 94	92 / 95	93 / 96	93 / 97	94 / 98	95 / 99	96 / 100	97 / 100	98 / 101			
29000	3115	RPM	793	824	882	939	996	1053	1108	1160	1209				
		BHP	12.93	15.03	19.07	23.58	28.35	33.39	38.41	43.44	48.56				
		LwiA / LwoA	94 / 97	94 / 97	94 / 97	95 / 98	95 / 98	96 / 99	97 / 100	98 / 101	98 / 102				
32000	3437	RPM	870	897	949	1003	1054	1105	1157	1208					
		BHP	16.85	19.18	23.51	28.44	33.42	38.81	44.37	49.93					
		LwiA / LwoA	96 / 99	96 / 99	96 / 100	97 / 100	97 / 100	98 / 101	98 / 102	99 / 103					
35000	3759	RPM	946	971	1020	1069	1117	1162	1210						
		BHP	21.54	24.11	28.95	34	39.45	44.91	50.9						
		LwiA / LwoA	98 / 101	98 / 102	98 / 102	99 / 102	99 / 103	99 / 103	100 / 104						
38000	4082	RPM	1023	1046	1092	1135	1181								
		BHP	27.06	29.88	35.26	40.36	46.25								
		LwiA / LwoA	100 / 104	100 / 104	100 / 104	101 / 104	101 / 105								
41000	4404	RPM	1101	1122	1164	1205									
		BHP	33.49	36.54	42.48	47.92									
		LwiA / LwoA	102 / 106	102 / 106	102 / 106	102 / 106									

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44 USF-400 - BI

Wheel Diameter	44.5 in. 1130 mm
Outlet Area	11.39 ft ² 1.06 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/276) ³ (RPM/304) ³
Maximum RPM	1105
Tip Speed	RPM x 11.65 ft/min. RPM x 0.059 m/s

Imperial data - Metric data



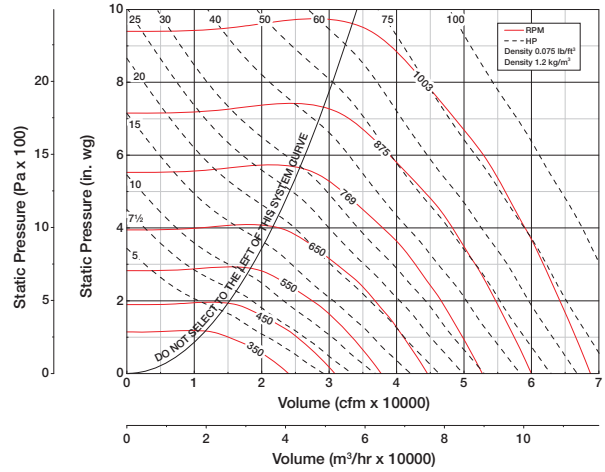
CFM	OV		Static Pressure in Inches wg										
			0.5	1	2	3	4	5	6	7	8	9	
13000	1141	RPM	325	392	507								
		BHP	1.62	2.75	5.32								
		LwiA / LwoA	69 / 74	73 / 77	79 / 81								
17000	1493	RPM	387	440	540	626							
		BHP	2.68	4.06	7.04	10.29							
		LwiA / LwoA	74 / 78	77 / 80	81 / 83	84 / 86							
21000	1844	RPM	454	499	585	663	733	804					
		BHP	4.23	5.82	9.38	13.07	16.97	21.37					
		LwiA / LwoA	80 / 83	81 / 84	84 / 86	86 / 89	88 / 91	90 / 93					
25000	2195	RPM	526	563	636	708	773	835	891	952			
		BHP	6.45	8.2	12.2	16.54	20.92	25.49	30.19	35.58			
		LwiA / LwoA	84 / 87	85 / 88	86 / 89	89 / 92	90 / 93	91 / 94	93 / 96	95 / 97			
29000	2546	RPM	598	630	695	757	819	876	930	982	1030	1082	
		BHP	9.35	11.33	15.75	20.62	25.63	30.68	35.9	41.26	46.72	52.82	
		LwiA / LwoA	88 / 91	88 / 91	90 / 93	91 / 94	92 / 95	93 / 96	94 / 98	96 / 99	97 / 100	98 / 101	
33000	2897	RPM	672	701	758	812	868	922	973	1022	1069		
		BHP	13.08	15.41	20.18	25.32	31.04	36.75	42.46	48.29	54.3		
		LwiA / LwoA	91 / 95	92 / 95	93 / 96	93 / 96	94 / 97	95 / 99	96 / 100	97 / 101	98 / 101		
37000	3248	RPM	747	773	823	874	922	971	1021	1067			
		BHP	17.73	20.4	25.48	31.24	37.12	43.57	49.96	56.36			
		LwiA / LwoA	94 / 98	95 / 98	95 / 98	96 / 99	96 / 100	97 / 101	98 / 102	99 / 102			
41000	3600	RPM	822	846	891	938	982	1026	1070				
		BHP	23.42	26.42	32.02	38.14	44.52	51.13	58.28				
		LwiA / LwoA	97 / 100	97 / 101	97 / 101	98 / 101	99 / 102	99 / 103	100 / 103				
44000	3863	RPM	879	901	944	986	1030	1070					
		BHP	28.46	31.7	37.81	44.02	50.9	57.72					
		LwiA / LwoA	99 / 102	99 / 103	99 / 103	100 / 103	100 / 104	101 / 104					
47000	4126	RPM	936	956	997	1036	1077						
		BHP	34.19	37.69	44.34	50.58	57.88						
		LwiA / LwoA	100 / 104	101 / 104	101 / 105	101 / 105	102 / 105						
51000	4478	RPM	1012	1031	1069	1105							
		BHP	43.02	46.8	54.17	60.98							
		LwiA / LwoA	103 / 107	103 / 107	103 / 107	103 / 107							

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. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power ratings (BHP/kW) do not include transmission losses. The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet, LwiA, and outlet, LwoA sound power levels for installation type B: Free inlet, Ducted outlet. Outlet ratings include the effects of duct end correction.

49 USF-400 - BI

Wheel Diameter	49 in. 1245 mm
Outlet Area	13.8 ft ² 1.28 m ²
Maximum BHP at a given RPM Maximum KW at a given RPM	(RPM/235) ³ (RPM/259) ³
Maximum RPM	1003
Tip Speed	RPM x 12.83 ft/min. RPM x 0.065 m/s

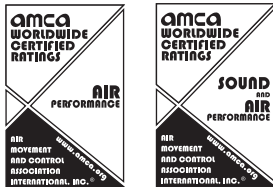
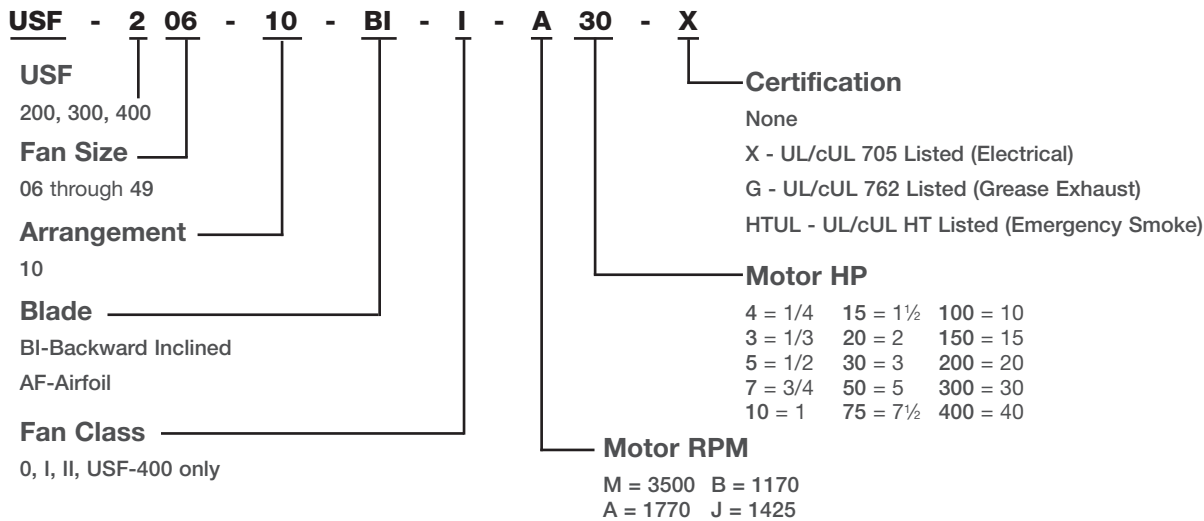
Imperial data - Metric data



CFM	OV		Static Pressure in Inches wg												
			0.5	1	2	3	4	5	6	7	8	9			
15000	1087	RPM	287	350											
		BHP	1.82	3.13											
		LwiA / LwoA	69 / 74	73 / 77											
20000	1449	RPM	344	394	486	566									
		BHP	3.06	4.7	8.23	12.18									
		LwiA / LwoA	74 / 79	76 / 80	82 / 83	84 / 87									
25000	1812	RPM	407	448	527	598	663	729							
		BHP	4.92	6.82	11.08	15.5	20.15	25.54							
		LwiA / LwoA	79 / 83	81 / 84	84 / 86	86 / 89	88 / 91	91 / 93							
30000	2174	RPM	473	507	574	640	700	756	807	863					
		BHP	7.63	9.73	14.56	19.76	25.03	30.54	36.19	42.78					
		LwiA / LwoA	85 / 87	86 / 88	87 / 89	89 / 91	91 / 93	92 / 95	94 / 96	96 / 98					
35000	2536	RPM	541	570	629	686	742	794	844	891	935	982			
		BHP	11.2	13.59	18.93	24.82	30.88	36.97	43.29	49.76	56.36	63.8			
		LwiA / LwoA	88 / 91	89 / 92	90 / 92	92 / 94	93 / 96	94 / 97	95 / 98	97 / 100	98 / 100	99 / 101			
40000	2899	RPM	610	637	688	737	788	838	884	928	971				
		BHP	15.84	18.67	24.45	30.7	37.61	44.55	51.46	58.53	65.81				
		LwiA / LwoA	92 / 95	92 / 95	93 / 96	94 / 97	95 / 98	96 / 99	97 / 100	98 / 101	98 / 102				
45000	3261	RPM	680	704	749	795	839	883	928	971					
		BHP	21.67	24.93	31.11	38.1	45.25	53.06	60.85	68.63					
		LwiA / LwoA	95 / 98	95 / 99	96 / 99	97 / 100	97 / 100	98 / 101	99 / 102	99 / 103					
50000	3623	RPM	751	772	813	855	895	934	975						
		BHP	28.86	32.51	39.36	46.78	54.57	62.6	71.27						
		LwiA / LwoA	98 / 101	98 / 101	98 / 102	99 / 102	100 / 103	100 / 103	101 / 104						
55000	3986	RPM	822	841	879	916	955	991							
		BHP	37.55	41.62	49.34	56.9	65.45	74							
		LwiA / LwoA	100 / 104	100 / 104	101 / 104	101 / 105	101 / 105	102 / 105							
60000	4348	RPM	893	911	946	980									
		BHP	47.91	52.36	61.04	68.97									
		LwiA / LwoA	103 / 106	103 / 107	103 / 107	103 / 107									
65000	4710	RPM	965	981											
		BHP	60.08	64.89											
		LwiA / LwoA	104 / 108	105 / 108											

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The following example explains the model number code for both series of centrifugal fans.



Certified data may be found in Greenheck's Computer Aided Product Selection program (CAPS)

MODEL	AMCA	SIZES
USF-BI 200	AMCA Air	6 - 10
USF-BI 200	AMCA Sound and Air	12 - 22
USF-BI 300	AMCA Air	6 - 10
USF-BI 300	AMCA Sound and Air	12 - 24
USF-BI 300	AMCA Air	27 - 49
USF-AF 400	AMCA Sound and Air	18 - 49
USF-BI 400	AMCA Sound and Air	All sizes (7 - 49)

Our Commitment

As a result of our commitment to continuous improvement, Greenheck reserves the right to change specifications without notice.

Specific Greenheck product warranties are located on greenheck.com within the product area tabs and in the Library under Warranties.



Prepared to Support
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