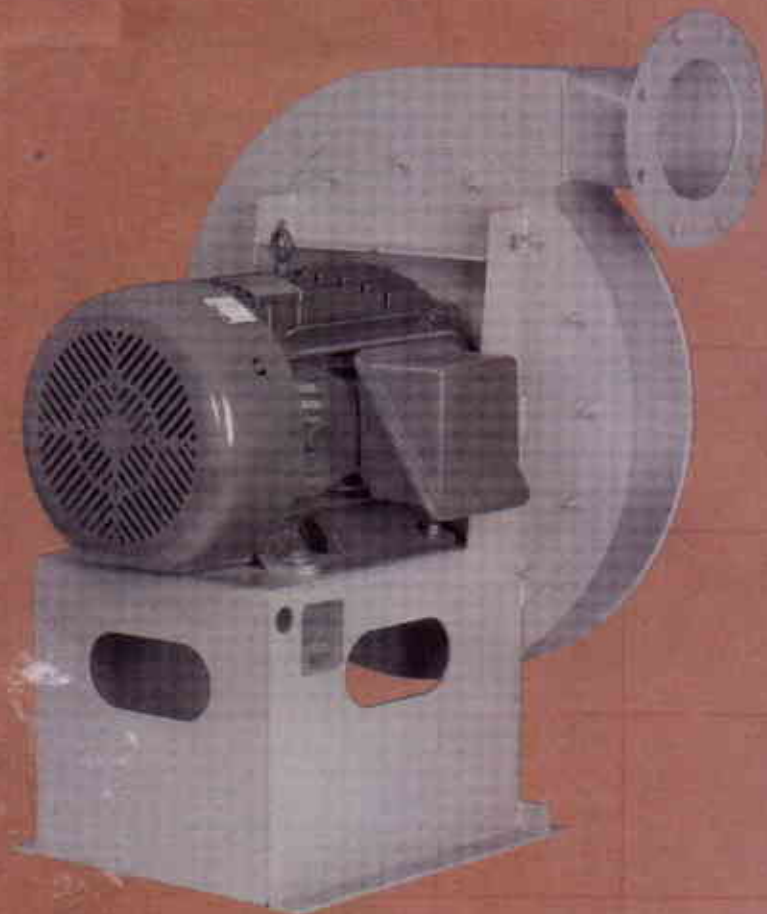
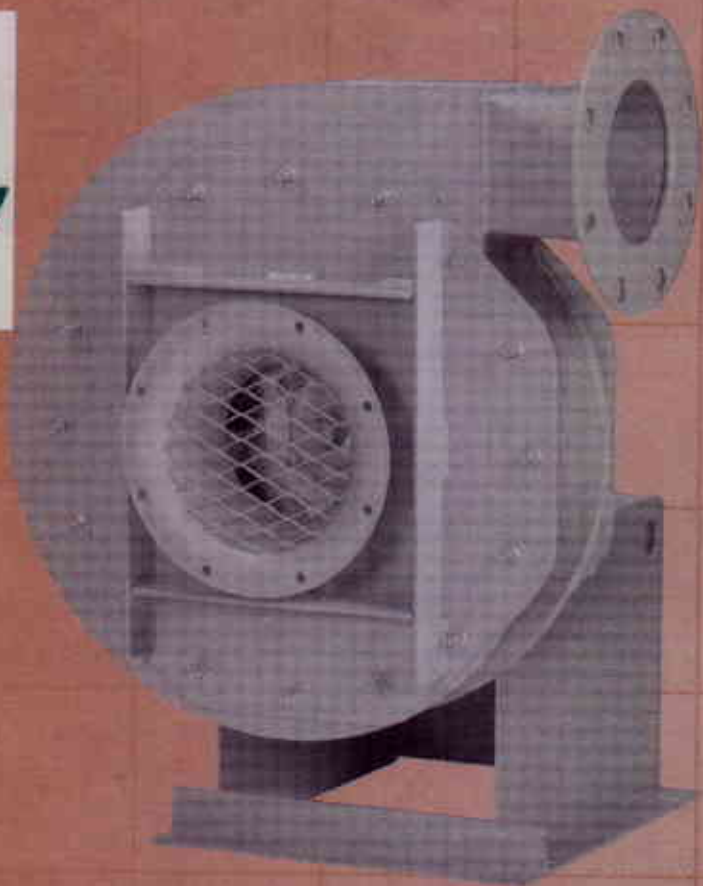


Bulletin VP0404  
January 2002

**American  
Fan Company**



# TURBO PRESSURE BLOWERS

## FEATURES

- Heavy gage continuously welded housings, reversible and rotatable
- Round inlet and outlet with flanges drilled to match ANSI 150 # pipe flanges (outlet flange standard)
- Dynamically balanced wheels to assure smooth operation
- Three inlet types available—stub pipe, flanged or venturi (standard)
- Teflon shaft seal (standard)
- Heavy-duty anti-friction pillow block ball bearings
- Close tolerance 1045 turned, ground, and polished shafting
- Pressures to 80" S.P.W.G., Capacities to 8000 CFM
- Lifting eyes are standard for handling ease

## ACCESSORIES

- Housing drain
- Housing inspection door
- Inlet screen
- Outlet screen
- High-temperature construction to 700° F
- Stuffing box
- Stainless steel or other alloy airstream
- Heat slinger
- Spark-resistant construction
- Inlet damper
- Outlet damper (integral or bolt-on)
- Flexible coupling for Arr't 8
- Special Coatings
- Drive guards

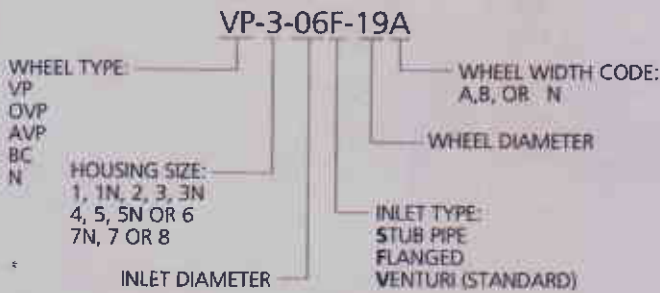
## TYPICAL APPLICATIONS

- Combustion air
- Air pollution control systems
- Induced pneumatic conveying
- Glass blowing
- Drying
- Gas boosting
- Material aeration
- Cooling
- Air floatation conveyors
- Textile fiber stripping and recycling
- Ground water remediation

## MAJOR INDUSTRIES

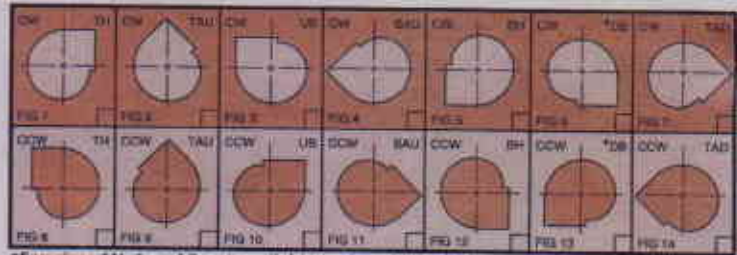
- Chemical
- Pulp and Paper
- Steel
- Glass
- Food Processing
- Energy
- Textile
- Petrochemical

## HOW TO SPECIFY



## DISCHARGE POSITIONS

NOTE: ROTATION VIEWED FROM DRIVEN SIDE



\*Fan sizes 1N, 1 and 2 not available in downblast discharge configuration due to interference with base.

## CONSTRUCTION MATERIALS

### GAUGES & SHAFT DIAMETERS

Fan Size	Housing Side	Scroll	Base	Motor Base Front & Inlet Plate	Inlet Venturi	Stub Pipe Inlet	Flanges	Standard Arr't 9 Base		Extended Arr't 9 Base	
								Shaft Dia.	Bearings (or equal)	Shaft Dia.	Bearings (or equal)
1, 1N, & 2	10	12	10	10	14	12	1/4	1 1/2	Dodge DLMAH	1 1/2	Dodge DLMAH
3, 3N, & 4	10	12	7	10	14	12	1/4	1 1/2	Dodge DLMAH	1 1/2	Dodge DLMAH
5, 5N, & 6	10	12	1/4	10	14	12	1/4	2 1/2	Dodge DLMAH	2 1/2	Dodge DLMAH
7, 7N, & 8	7	10	1/4	7	14	12	1/4	2 1/2	Link-Belt P-U300	2 1/2	Link-Belt P-U300

### HI-TEMPERATURE CONSTRUCTION

250° – 400° F

Heat Slinger, high-temperature paint. Not available on Arr't 4.

401° – 700° F

Heat Slinger, high-temperature shaft seal, high-temperature paint Arr't 1 or 8 only.

## SPECIAL CONSTRUCTION MATERIALS

### SPARK RESISTANT CONSTRUCTION

#### Type AA\*

All parts of the fan in contact with the air or gas being handled shall be made of non-ferrous material, except shaft.

\*Alternative to AMCA Type A

#### Type B

Fan shall have entirely non-ferrous wheel and a non-ferrous ring about the opening through which the shaft passes.

#### Type C

Fan shall be so constructed that a shift of the wheel or shaft will not permit two ferrous parts of the fan to rub or strike.

### CORROSION RESISTANT AND SPECIAL ALLOYS

For applications involving handling of corrosive fumes, a wide variety of protective coatings and special alloy metals are available. Consult your American Fan representative or factory for full details.



# WHEEL TYPES, WEIGHTS, WR<sup>2</sup> AND MINIMUM MOTOR HP RATINGS



## AVP Wheel

Cast Almag radial open design for light material handling applications. AVP is ideal for the textile industry's lint conveying applications where Type "B" spark resistant construction is required. AVP wheels are available in 17" through 23" diameters.

Wheel	Wt. (lbs.)	WR <sup>2</sup> (lbs.-ft. <sup>2</sup> )	Standard Material	Min. Motor HP req'd. to accelerate wheel to 3600 RPM	
				Std. Eff.	Prem. Eff.
17A	20	5.2	Cast almag	1	1
17B	21	5.5	Cast almag	1.5	1
18A	26	7.6	Cast almag	1.5	1.5
18B	26.5	7.7	Cast almag	1.5	1.5
19A	26	8.4	Cast almag	2	1.5
19B	31	10.1	Cast almag	2	1.5
21A	30	11.9	Cast almag	3	2
21B	30.5	12.1	Cast almag	3	2
23A	43	20.5	Cast almag	5	3
23B	47	22.4	Cast almag	5	5



## OVP Wheel

Welded steel version of AVP wheel for more demanding material handling applications. OVP wheels are available in 17" through 30" diameters.

Wheel	Wt. (lbs.)	WR <sup>2</sup> (lbs.-ft. <sup>2</sup> )	Standard Material	Min. Motor HP req'd. to accelerate wheel to 3600 RPM	
				Std. Eff.	Prem. Eff.
17A	26	6.8	Corten steel	1.5	1.5
17B	27	7.0	Corten steel	1.5	1.5
18A	28	8.2	Corten steel	1.5	1.5
18B	29	8.5	Corten steel	1.5	1.5
19A	40	13.0	Corten steel	3	2
19B	41	13.3	Corten steel	3	3
21A	45	17.9	Corten steel	3	3
21B	46	18.3	Corten steel	3	3
23A	51	24.3	Corten steel	5	5
23B	52	24.8	Corten steel	5	5
26.5A	61	38.6	Corten steel	15	10
26.5B	63	39.8	Corten steel	20	10
28A	68	48.0	Corten steel	20	15
28B	71	50.1	Corten steel	25	20
30A	75	60.8	Corten steel	25	20
30B	79	64.0	Corten steel	25	25



## N Wheel

High pressure, low flow, open design wheel. Good for light material handling applications. N wheels are available in cast aluminum in 16" through 26.5" diameters and welded steel 28.1" through 31.5" diameters.

Wheel	Wt. (lbs.)	WR <sup>2</sup> (lbs.-ft. <sup>2</sup> )	Standard Material	Min. Motor HP req'd. to accelerate wheel to 3600 RPM	
				Std. Eff.	Prem. Eff.
16N	7	1.6	Cast aluminum	1	1
18.5N	8	2.5	Cast aluminum	1	1
20N	13	4.7	Cast aluminum	1.5	1
22.5N	14	6.4	Cast aluminum	1.5	1.5
24N	28	14.5	Cast aluminum	3	3
26.5N	34	21.5	Cast aluminum	5	3
28.1N	108	77.0	Corten Steel	25	25
29.8N	115	92.0	Corten Steel	25	25
31.5N	126	113.0	Corten Steel	30	25



## BC Wheel

High efficiency, welded backward curve wheel for clean air applications where low noise level and low HP are considerations. BC wheels are constructed of aluminum in 16" through 26" diameters and are constructed of steel in 28.7" through 31.5" diameters.

Wheel	Wt. (lbs.)	WR <sup>2</sup> (lbs.-ft. <sup>2</sup> )	Standard Material	Min. Motor HP req'd. to accelerate wheel to 3600 RPM	
				Std. Eff.	Prem. Eff.
16A	12	2.8	Aluminum	1	1
16B	13	3.0	Aluminum	1	1
18A	14	4.1	Aluminum	1	1
18B	15	4.4	Aluminum	1	1
20A	19	6.8	Aluminum	1.5	1.5
20B	22	7.9	Aluminum	1.5	1.5
22A(06)	22	9.6	Aluminum	2	1.5
22A(08)	20	8.7	Aluminum	2	1.5
22B(06)	25	10.9	Aluminum	3	1.5
22B(08)	22	9.6	Aluminum	2	1.5
24A	25	13.0	Aluminum	3	2
24B	29	15.0	Aluminum	3	3
26A(8)	28	17.0	Aluminum	3	3
26B(8)	31	18.9	Aluminum	5	3
26A(10)	26	15.8	Aluminum	3	3
26B(10)	29	17.6	Aluminum	3	3
28.7A(10)*	72	53.0	Corten steel	25	20
28.7B(10)*	76	56.0	Corten steel	25	20
28.7A(12)*	70	52.0	Corten steel	25	20
28.7B(12)*	74	55.0	Corten steel	25	20
31.5A(10)*	96	86.0	Corten steel	25	25
31.5B(10)*	101	90.0	Corten steel	25	25
31.5A(12)*	94	84.0	Corten steel	25	25
31.5B(12)*	99	88.0	Corten steel	25	25

\*Sizes 28.7 through 31.5 are not available in aluminum construction. Standard material for 28.7 through 31.5 sizes is Corten steel. Standard material for all other sizes is aluminum.



## VP Wheel

High pressure, fabricated steel enclosed radial wheel designed for industrial gas and/or light dust applications. VP is also available in aluminum and stainless steel and many other alloys for corrosive applications. VP wheels are available in 17" through 31.5" diameters.

Wheel	Wt. (lbs.)	WR <sup>2</sup> (lbs.-ft. <sup>2</sup> )	Standard Material	Min. Motor HP req'd. to accelerate wheel to 3600 RPM	
				Std. Eff.	Prem. Eff.
17A	24.3	6.3	Corten Steel	1.5	1.5
17B	24.6	6.4	Corten Steel	1.5	1.5
18.5A	26.2	8.1	Corten Steel	1.5	1.5
18.5B	28.1	8.7	Corten Steel	1.5	1.5
19A	28.2	9.2	Corten Steel	1.5	1.5
19B	29.9	9.7	Corten Steel	2	1.5
20A	31.1	11.2	Corten Steel	3	2
20B	32.9	11.8	Corten Steel	3	2
21A	34.2	13.6	Corten Steel	3	3
21B	36.2	14.4	Corten Steel	3	3
22.5A	38.6	17.6	Corten Steel	3	3
22.5B	40.8	18.6	Corten Steel	3	3
23A	51	24.3	Corten Steel	5	5
23B	54	25.7	Corten Steel	7.5	5
24A	55	28.5	Corten Steel	7.5	5
24B	59	30.6	Corten Steel	10	7.5
25A	60	33.8	Corten Steel	10	7.5
25B	63	35.4	Corten Steel	10	7.5
26.5A	66	41.7	Corten Steel	20	10
26.5B	69	43.6	Corten Steel	20	10
28.1A	69	49.0	Corten Steel	20	20
28.1B	73	51.9	Corten Steel	25	20
29.8A	76	60.7	Corten Steel	25	20
29.8B	81	64.7	Corten Steel	25	25
31.5A	83	74.1	Corten Steel	25	25
31.5B	88	78.6	Corten Steel	25	25

**NOTE: Minimum HP ratings apply only to standard wheel materials shown. Contact factory for minimum HP ratings for alternative wheel materials.**



# TEMPERATURE AND ALTITUDE CORRECTIONS

## USING DENSITY CORRECTION FACTORS

The capacity Tables in this bulletin are based on fans handling standard air at a density of .075 pounds per cubic foot equivalent to air at 70° F and 29.92" Hg barometric pressure. Therefore, when a fan handles air or other gases at other than standard density due to temperature, altitude or the type of gas, the published tables should be used in the following manner.

**EXAMPLE:** Select a Turbo Pressure Blower with a VP wheel for 1650 ACFM @ 12 oz. SP (20.78") @ 250°F and 3000' elevation.

1. Determine the equivalent static pressure in the following manner: S.P. = required SP x density factor for conditions from the table below, i.e., equivalent S.P. = 12 x 1.50 = 18 oz. SP.
2. Using the required ACFM and the equivalent SP, select a VP blower from the quick selection table, i.e., Model VP-3-08-21A with a BHP of 13.08.
3. Correct BHP for operating conditions by dividing BHP from the table by density factor, i.e.,  
 $\frac{13.8}{1.5} = 8.72$  BHP at conditions.

AIR TEMP. DEG. F.	ALTITUDE IN FEET ABOVE SEA LEVEL																			
	0	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	10000
-60"	.76	.77	.78	.80	.81	.83	.84	.86	.87	.89	.91	.92	.94	.96	1.00	1.03	1.07	1.11	1.15	1.21
-40"	.79	.81	.82	.84	.85	.87	.88	.90	.92	.93	.95	.97	.99	1.01	1.03	1.05	1.07	1.09	1.11	1.15
-20"	.83	.85	.86	.88	.89	.91	.93	.94	.96	.98	1.00	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.16	1.21
0"	.87	.89	.91	.92	.94	.96	.98	.99	1.01	1.03	1.05	1.06	1.09	1.10	1.13	1.15	1.17	1.19	1.22	1.26
40"	.94	.98	.98	1.00	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.16	1.19	1.21	1.23	1.26	1.28	1.30	1.32	1.36
70"	1.00	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.16	1.18	1.20	1.22	1.25	1.27	1.30	1.32	1.35	1.37	1.40	1.45
80"	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.16	1.19	1.21	1.23	1.25	1.28	1.30	1.33	1.36	1.38	1.41	1.43	1.48
100"	1.06	1.08	1.10	1.12	1.14	1.16	1.19	1.21	1.23	1.25	1.28	1.30	1.33	1.35	1.38	1.41	1.43	1.46	1.48	1.54
120"	1.09	1.12	1.14	1.16	1.18	1.20	1.23	1.25	1.28	1.30	1.32	1.35	1.38	1.40	1.43	1.46	1.48	1.51	1.53	1.58
140"	1.13	1.15	1.18	1.20	1.22	1.25	1.27	1.29	1.32	1.34	1.37	1.40	1.42	1.45	1.48	1.51	1.54	1.57	1.58	1.65
160"	1.17	1.19	1.22	1.24	1.26	1.29	1.31	1.34	1.36	1.39	1.42	1.44	1.47	1.50	1.53	1.56	1.59	1.62	1.64	1.70
180"	1.21	1.23	1.26	1.28	1.30	1.33	1.36	1.38	1.41	1.43	1.46	1.49	1.52	1.55	1.58	1.61	1.64	1.67	1.70	1.75
200"	1.25	1.27	1.29	1.32	1.34	1.37	1.40	1.42	1.45	1.48	1.51	1.54	1.57	1.60	1.63	1.66	1.69	1.72	1.75	1.81
250"	1.34	1.36	1.39	1.42	1.45	1.47	1.50	1.53	1.56	1.59	1.62	1.65	1.68	1.71	1.74	1.78	1.82	1.85	1.88	1.94
300"	1.43	1.46	1.49	1.52	1.55	1.58	1.61	1.64	1.67	1.70	1.74	1.77	1.80	1.84	1.87	1.91	1.94	1.98	2.00	2.08
350"	1.53	1.56	1.59	1.62	1.65	1.68	1.72	1.75	1.78	1.81	1.85	1.88	1.92	1.96	2.00	2.04	2.07	2.11	2.14	2.22
400"	1.62	1.65	1.69	1.72	1.75	1.79	1.82	1.85	1.89	1.93	1.96	2.00	2.04	2.08	2.12	2.16	2.20	2.25	2.27	2.35
450"	1.72	1.75	1.79	1.82	1.86	1.89	1.93	1.96	2.00	2.04	2.08	2.12	2.16	2.20	2.24	2.29	2.33	2.38	2.41	2.50
500"	1.81	1.85	1.88	1.92	1.96	1.99	2.03	2.07	2.11	2.15	2.19	2.23	2.28	2.32	2.36	2.41	2.46	2.51	2.54	2.62
550"	1.91	1.94	1.98	2.02	2.06	2.10	2.14	2.18	2.22	2.26	2.30	2.35	2.40	2.44	2.49	2.54	2.58	2.63	2.68	2.77
600"	2.00	2.04	2.08	2.12	2.16	2.20	2.24	2.29	2.33	2.38	2.42	2.47	2.50	2.56	2.61	2.66	2.71	2.77	2.80	2.90
650"	2.10	2.14	2.18	2.22	2.26	2.31	2.35	2.40	2.44	2.49	2.54	2.58	2.63	2.68	2.74	2.79	2.84	2.90	2.94	3.04
700"	2.19	2.23	2.27	2.32	2.36	2.41	2.46	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.86	2.91	2.97	3.03	3.06	3.18

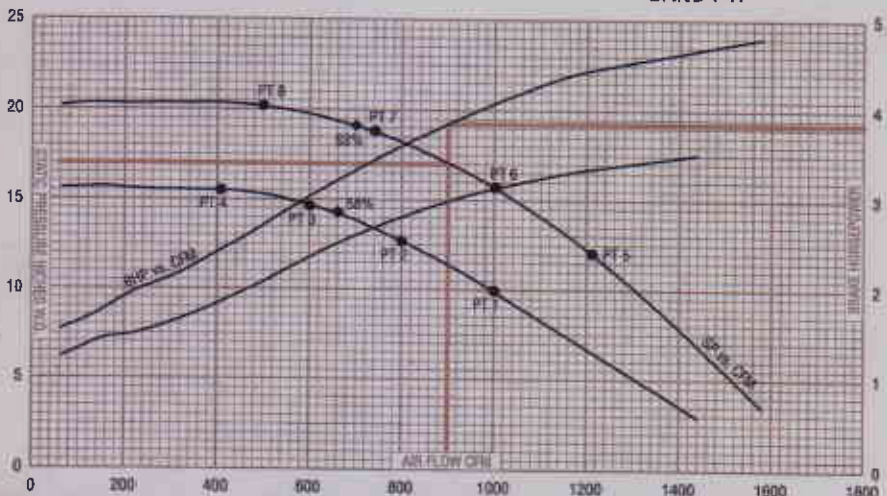
## BLOWER SELECTION INSTRUCTIONS:

1. Based on application, determine which wheel type(s) would be appropriate.  
**Example:** Select blower for 900 CFM @ 17.5" SP., Clear air, 70F. See BC Wheels.
2. Using the required CFM and SP (equivalent SP if density is other than .075 lbs/Ft.) Choose a model from quick selection chart that is nearest your requirement. Note the Model No. BHP and Curve No.  
**Example:** From BC-1-06-18A produces 900 CFM @ 17.32" SP. 3.95 BHP, Curve No. 5030.
3. Refer to the appropriate curve no. to determine exact CFM and BHP at required SP. Read across grid at required SP until line intersects SP vs. CFM curve. Read CFM Scale straight down point of intersection.  
**Example:** 17.5" SP. Intersects curve at 890 CFM.
4. Where CFM line intersects BHP vs. CFM curve, read BHP straight across to right on the BHP scale.  
**Example:** 890 CFM intersects BHP vs. CFM curve at 3.95 BHP. 5HP motor is required.
5. Find numbered point on curve nearest selection point and locate corresponding sound analysis point in sound analysis chart, interpolating when necessary.  
**Example:** Selection point is approximately equidistant from points 6 and 7. Referring to sound analysis chart on page 13, sound analysis of points 6 and 7 is:

### TD-5030/MODEL BC-1

6" INLET, 5" OUTLET  
 3450 RPM, .075 DENSITY @ INLET  
 IV = CFM/.1963, OV = CFM/.1364  
 IV = INLET VELOCITY OV = OUTLET VELOCITY

KEY TO GRAPH:  
 — = MODEL BC-1-06-18A  
 - - - = MODEL BC-1-06-16A  
 ◆ = PEAK STATIC EFFICIENCY  
 ● = OCTAVE BAND PT.



Model Number	PT	CFM	SP	Octave Band (Hz)								#BA @ 5'
				63	125	250	500	1000	2000	4000	8000	
BC-1-06-18A	6	992	16	87	96	95	96	91	88	83	80	87
	7	749	19	86	92	95	96	92	89	83	80	88
Interpolating for selection PT	▶	890	17.5	86	94	95	96	92	89	83	80	87



# ARRANGEMENTS

## ARRT. 1



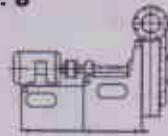
The fan wheel is overhung with both bearings mounted on a common pedestal. ARRT 1 is suitable for high temperature and/or corrosive environment. Fan can be belt driven or directly coupled to drive motor mounted on a separate base.

## ARRT. 4



Direct drive fan with wheel mounted directly on motor shaft. Unit is designed for standard temperature applications only. With no belt loss, the direct drive fan operates at a higher efficiency.

## ARRT. 8



Direct drive fan through shaft and bearings. Efficiency of ARRT 4 is maintained. However, ARRT 8 may be used for high temperature and/or corrosive applications that require the motor shaft to be outside of airstream.

## ARRT. 9



The fan wheel is overhung with both bearings mounted on a common pedestal. Fan is belt driven with drive motor mounted on bearing pedestal for a more compact unit suitable for high temperature and/or corrosive environment.



ARRT. 1 UNITARY

American Fan Co. offers unitary bases constructed of heavy channel iron for high horsepower or high temperature applications where ARRT. 9 is impractical. The unitary base design is a complete packaged unit simplifying handling and installation while providing a more uniform weight distribution necessary when vibration isolators are used. Unitary bases also allow excellent access for routine maintenance.

## MAXIMUM MOTOR FRAME SIZES

Fan Size	Arr't 1 Unitary	Arr't 4	Arr't 8	Arr't 9 Std. Base	Arr't 9 Ext. Base
1, 1N, & 2	256-T	215-T	256-T	184-T	215-T
3, 3N, & 4	286-T	286-TS	286-TS	215-T	256-T
5, 5N, & 6	326-T	326-TS	326-TS	256-T	286-T
7, 7N, & 8	405-T	405-TS	405-TS	286-T	326-T

## QUICK SELECTION PERFORMANCE DATE - 3600 RPM

Note: Performance chart shows data for Direct Drive, For Belt Drive selections, contact factory.

### AVPIOVP WHEEL

8 Oz. SP (13.89" SP)				10 Oz. SP (17.33" SP)				12 Oz. SP (20.78" SP)				14 Oz. SP (24.23" SP)				16 Oz. SP (27.67" SP)			
CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve
1071	5.82	1-06-17A	5016	875	4.72	1-06-17A	5016	558	3.57	1-06-18A	5016	1122	7.72	3-06-19A	5018	1422	10.65	3-06-21A	5018
1117	5.95	1-06-18A	5016	941	5.05	1-06-18A	5016	1154	6.09	2-06-18B	5017	1439	9.38	3-08-19A	5019	1666	13.12	4-06-21B	5021
1345	7.32	2-06-17B	5017	1280	6.12	2-06-17B	5017	1425	9.40	3-06-19A	5018	1557	10.24	3-10-19A	5020	1761	13.50	3-08-21A	5020
1733	8.81	2-06-18B	5017	1472	7.72	2-06-18B	5017	1742	11.29	3-08-19A	5019	1755	11.08	4-08-19B	5022	1894	14.28	3-10-21A	5020
				1616	10.59	3-06-19A	5018	1895	11.98	3-10-19A	5020	1939	12.28	4-10-19B	5023	2071	15.28	4-08-21B	5022
				2041	12.83	3-08-19A	5019	2136	13.05	4-08-19B	5022	2002	15.12	3-08-21A	5019	2260	16.62	4-10-21B	5023
				2146	13.05	3-10-19A	5020	2303	14.11	4-10-19B	5023	2211	16.39	3-10-21A	5020	2517	22.59	5-08-23A	5025
				2403	14.50	4-08-19B	5022	2483	17.91	3-10-21A	5020	2420	17.49	4-08-21B	5022	2782	24.74	5-10-23A	5026
				2593	15.49	4-10-19B	5023	2683	19.24	4-08-21B	5022	2744	24.59	5-08-23A	5025	3495	32.45	6-08-23B	5028
								2907	20.82	4-10-21B	5023	3031	26.71	5-10-23A	5026	4148	37.08	6-10-23B	5029
												3801	35.07	6-08-23B	5028				
												4463	39.89	6-10-23B	5029				

Shaded selections not available with cast aluminum wheel (model AVP)

Un-shaded selections available with cast aluminum wheel (model AVP) or with steel wheel (model OVP)



# QUICK SELECTION PERFORMANCE DATE-3600 RPM

Note: Performances shown are for Direct Drive For All Drive Selections, contact factory.

## BC WHEEL

8 Oz. SP (12.80" SP)				10 Oz. SP (17.32" SP)				12 Oz. SP (20.78" SP)				14 Oz. SP (24.23" SP)				16 Oz. SP (27.71" SP)			
CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve
718	2.72	1-06-16A	5030	756	3.05	2-06-16B	5031	1098	4.90	2-06-18B	5031	956	5.30	3-06-20A	5032	794	5.70	5-08-22A	5034
1222	4.21	2-06-16B	5031	900	3.95	1-06-18A	5030	1254	6.19	3-06-20A	5032	1300	7.61	5-08-22A	5034	1203	7.92	3-06-22A	5032
1595	6.38	2-06-18B	5031	1396	5.80	2-06-18B	5031	1618	8.51	5-08-22A	5034	1449	8.05	4-06-20B	5033	1668	10.43	4-06-22B	5033
				1502	6.98	3-06-20A	5032	1753	9.21	4-06-20B	5033	1924	11.58	4-06-22B	5033	1811	11.05	6-08-22B	5035
				1872	9.04	5-08-22A	5034	2130	12.46	4-06-22A	5033	2077	12.83	5-08-24A	5034	2081	14.16	5-08-26A	5034
				1941	9.76	4-06-20B	5033	2237	13.20	5-08-24A	5034	2288	12.97	6-08-22B	5035	2237	13.81	7-08-26A	02009
				2312	13.16	4-06-22B	5033	2552	14.05	7-08-26A	02009	2408	14.02	7-08-26A	02009	2754	17.26	7-10-26A	02010
								2664	14.29	6-08-22B	5035	3001	17.79	7-10-26A	02010	2792	19.17	6-08-24B	5035
								3245	18.15	7-10-26A	02010	3060	20.34	6-08-24B	5035	3260	22.46	6-08-26B	5035
								3402	21.26	6-08-24B	5035	3508	23.08	6-08-26B	5035	3335	27.72	8-08-28B	02012
								3946	24.50	7-10-28.7A	02010	3611	23.60	8-08-26B	02012	3461	24.31	7-10-28.7A	02010
								4205	26.57	7-12-28.7A	02011	3693	24.42	7-10-28.7A	02010	3611	25.67	7-12-28.7A	02011
												3925	26.27	7-12-28.7A	02011	4007	27.22	8-10-28B	02013
												4408	28.39	8-10-26B	02013	4271	33.15	7-10-31.5A	02010

18 Oz. SP (31.18" SP)				20 Oz. SP (34.94" SP)				22 Oz. SP (38.18" SP)				24 Oz. SP (41.37" SP)				26 Oz. SP (45.30" SP)			
CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve
666	5.91	3-06-22A	5032	1176	8.47	5-08-26A	5034	1302	11.58	5-08-26A	5034	356	5.90	7-08-26A	02009	658	10.70	5-08-26B	5035
1041	7.99	4-06-22B	5033	1659	12.72	5-08-26A	5034	1442	10.65	7-08-26A	02009	688	7.99	5-08-26A	5034	940	10.57	6-08-28B	02012
1557	11.00	5-08-24A	5034	1732	12.18	7-08-26A	02009	1802	14.26	7-10-26A	02010	1106	10.50	7-10-26A	02010	1178	13.05	8-10-26B	02013
1876	13.55	5-08-26A	5034	2009	15.79	6-08-24B	5035	2305	18.76	6-08-26B	5035	1955	16.89	6-08-26B	5035	2000	20.17	7-12-28.7A	02011
1970	13.02	7-08-26A	02009	2118	15.73	7-10-26A	02010	2474	18.85	8-08-26B	02012	2055	16.76	8-08-26B	02012	2335	21.38	7-10-28.7A	02010
2420	16.72	7-10-26A	02010	2628	20.24	6-08-26B	5035	2832	23.88	7-12-28.7A	02011	2352	20.17	8-10-26B	02013	2013	31.84	7-10-31.5A	02010
2426	17.60	6-08-24B	5035	2790	20.35	7-10-31.5A	02010	2855	22.98	7-10-28.7A	02010	2557	21.88	7-10-28.7A	02010	3403	34.93	7-12-31.5A	02011
2972	21.56	6-08-26B	5035	3075	23.59	8-08-26B	02012	2878	22.95	8-10-26B	02013	3381	31.85	7-10-31.5A	02010	3574	34.74	8-12-28.7B	02014
3056	21.83	8-08-26B	02012	3085	24.73	7-10-28.7A	02010	3586	32.46	7-10-31.5A	02010	3482	22.32	7-12-28.7A	02011	3661	34.23	8-10-28.7B	02013
3261	24.01	7-10-28.7A	02010	3285	24.59	7-12-31.5A	02011	3953	36.17	7-12-31.5A	02011	3696	35.44	7-12-31.5A	02011	5015	50.19	8-10-31.5B	02013
3312	25.31	7-12-28.7A	02011	3632	32.68	7-12-28.7A	02011	4342	37.40	8-10-28.7B	02013	3997	35.94	8-10-28.7B	02013	5340	54.34	8-12-31.5B	02014
3644	25.89	8-10-26B	02013	4202	36.64	8-10-26B	02013	4490	39.55	8-12-28.7B	02014	4033	37.48	8-12-28.7B	02014				
4055	32.94	7-10-31.5A	02010	4590	38.59	8-10-28.7B	02013	5653	52.53	8-10-31.5B	02013	5343	51.43	8-10-31.5B	02013				
4472	37.07	7-12-31.5A	02011	4929	41.16	8-12-28.7B	02014	6066	57.39	8-12-31.5B	02014	5730	55.92	8-12-31.5B	02014				
5008	39.84	8-10-28.7B	02013																
5347	42.65	8-12-28.7B	02014																

28 Oz. SP (48.00" SP)				30 Oz. SP (51.96" SP)				32 Oz. SP (55.42" SP)				34 Oz. SP (58.88" SP)				36 Oz. SP (62.30" SP)			
CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve
1645	17.60	7-12-28.7A	02011	1001	13.25	7-10-28.7A	02010	1363	21.34	8-10-28.7B	02013	1873	35.20	7-12-31.5A	02011	1050	18.55	7-12-31.5A	02011
1896	18.43	7-10-28.7A	02010	2461	26.09	8-12-28.7B	02014	2592	27.34	7-10-31.5A	02010	2143	24.83	7-10-31.5A	02010	1553	20.86	7-10-31.5A	02010
3019	30.52	7-10-31.5A	02010	2774	29.19	7-10-31.5A	02010	2571	28.85	7-12-31.5A	02011	3810	43.08	8-10-31.5B	02013	3034	36.50	8-12-31.5B	02014
3143	31.63	8-12-28.7B	02014	2868	29.24	8-10-28.7B	02013	4130	45.44	8-10-31.5B	02013	3647	41.88	8-12-31.5B	02014	3321	38.47	8-10-31.5B	02013
3194	33.40	7-12-31.5A	02011	2887	31.26	7-12-31.5A	02011	4114	46.15	8-12-31.5B	02014								
3341	32.38	8-10-28.7B	02013	4394	47.14	8-10-31.5B	02013												
4727	48.94	8-10-31.5B	02013	4539	49.50	8-12-31.5B	02014												
4983	52.56	8-12-31.5B	02014																

36 Oz. SP (60.81" SP)			
CFM	BHP	Model	Curve
1776	26.92	8-12-31.5B	02013
2604	32.38	8-10-31.5B	02014

Shaded selections not available with aluminum wheel

## N WHEEL

7 Oz. SP (12.12" SP)				8 Oz. SP (13.80" SP)				9 Oz. SP (15.54" SP)				10 Oz. SP (17.32" SP)				11 Oz. SP (19.30" SP)			
CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve
473	2.18	1N-04-18N	5483	407	1.93	1N-04-18N	5483	240	1.37	1N-04-18N	5483	39	0.67	1N-04-18N	5483	457	2.65	1N-04-18.5N	5483
				601	3.48	1N-04-18.5N	5483	570	3.28	1N-04-18.5N	5483	525	3.01	1N-04-18.5N	5483	579	4.49	3N-04-20N	5485
												628	4.80	3N-04-20N	5485				

12 Oz. SP (20.78" SP)				13 Oz. SP (22.51" SP)				14 Oz. SP (24.23" SP)				15 Oz. SP (25.96" SP)				16 Oz. SP (27.71" SP)			
CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve
316	2.12	1N-04-18.5N	5483	89	1.30	1N-04-18.5N	5483	364	2.41	3N-04-20N	5485	176	2.56	3N-04-20N	5485	26	2.26	3N-04-20N	5485
521	4.10	3N-04-20N	5485	456	3.81	3N-04-20N	5485	897	6.85	3N-04-22.5N	5485	659	6.80	3N-04-22.5N	5485	619	6.34	3N-04-22.5N	5485
765	7.30	3N-04-22.5N	5485	727	7.08	3N-04-22.5N	5485	792	8.93	5N-04-24N	5486	730	6.71	5N-04-24N	5486	695	6.50	5N-04-24N	5486

17 Oz. SP (29.44" SP)				18 Oz. SP (31.18" SP)				19 Oz. SP (32.91" SP)				20 Oz. SP (34.64" SP)				21 Oz. SP (36.37" SP)			
CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve	CFM	BHP	Model	Curve
560	6.06	3N-04-22.5N	5485	503	5.74	3N-04-22.5N	5485	404	5.10	3N-04-22.5N	5485	201	3.78	3N-04-22.5N	5485	33	3.37	3N-04-22.5N	5485
657	8.27	5N-04-24N	5486	618	6.00	5N-04-24N	5486	575	7.71	5N-04-24N	5486	330	7.45	5N-04-24N	5486	471	7.00	5N-04-24N	5486
												668	12.57	5N-04-26.5N	5486	831	12.00	5N-04-26.5N	5486
												1640	22.03	7N-06-28.1N	02021	1604	21.34	7N-06-28.1N	02021

22 Oz. SP (38.18" SP)				23 Oz. SP (39.94" SP)				24 Oz. SP (41.37" SP)				25 Oz. SP (43.23" SP)				26 Oz. SP (45.30" SP)			
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# QUICK SELECTION PERFORMANCE DATE-3600 RPM

Notes: Performance shown are for Direct Drive, for Belt Drive Selections, contact factory.

## VP WHEEL (continued)

CFM	16 Oz. SP (11.14" SP) SHP	Model	Curve	CFM	20 Oz. SP (14.04" SP) SHP	Model	Curve	CFM	22 Oz. SP (15.10" SP) SHP	Model	Curve	CFM	24 Oz. SP (16.57" SP) SHP	Model	Curve	CFM	28 Oz. SP (19.03" SP) SHP	Model	Curve
1535	11.69	3-06-21A	5008	992	8.12	3-06-21A	5008	1423	13.23	3-06-22.5A	5008	1319	13.61	5-06-23A	5012	1607	17.24	5-06-24A	5012
1679	13.08	3-08-21A	5009	1712	15.62	3-06-22.5A	5008	1611	14.10	3-08-22.5A	5009	1515	14.90	5-08-23A	5013	1812	18.82	5-06-24A	5013
1923	14.77	4-08-21B	5011	1945	17.03	3-08-22.5A	5009	1737	16.43	4-08-22.5B	5011	2022	18.55	6-06-23B	5014	2201	21.91	6-06-24B	5014
2217	19.26	3-08-22.5A	5009	2047	18.77	4-06-22.5B	5010	1879	17.59	5-06-23A	5012	2183	21.84	5-08-24A	5013	2315	25.02	5-08-25A	5013
2357	20.95	4-06-22.5B	5010	2375	21.24	4-08-22.5B	5011	2028	18.70	5-08-23A	5013	2448	22.48	6-06-23B	5015	2722	26.70	6-08-24B	5015
2730	23.74	4-08-22.5B	5011	2652	24.47	6-06-23B	5014	2201	22.02	5-06-24A	5012	2650	25.53	6-06-24B	5014	2943	35.54	5-08-26.5A	5013
3027	30.06	5-08-24A	5013	2792	27.63	5-08-24A	5013	2394	22.05	6-06-23B	5014	2631	28.21	5-08-25A	5013	3383	36.86	6-08-25B	5015
3204	31.89	6-06-24A	5014	3008	29.95	6-06-24B	5014	2498	24.70	5-08-24A	5013	3148	30.91	6-08-24B	5015	4801	64.29	7-08-26.1A	02022
3541	32.42	6-08-23B	5015	3251	29.95	6-08-23B	5015	2917	26.75	6-08-23B	5015	3676	40.00	6-08-25B	5015	5533	73.50	7-10-28.1A	02023
4038	39.84	6-08-24B	5015	3747	37.29	6-08-24B	5015	3106	34.16	6-08-25B	5014	5050	67.85	7-08-28.1A	02022	5572	74.27	7-12-28.1A	02024
4457	48.67	6-08-25B	5015	4211	45.90	6-08-25B	5015	3443	34.37	6-08-24B	5015	5855	77.30	7-10-28.1A	02023	5704	83.95	7-08-29.8A	02024
5814	77.59	7-08-28.1A	02022	5587	74.40	7-08-28.1A	02022	3953	43.03	8-08-25B	5015	5897	78.36	7-12-28.1A	02024	6051	80.89	8-08-28.1B	02025
6676	87.62	7-10-28.1A	02023	6438	84.30	7-10-28.1A	02023	5324	71.20	7-08-28.1A	02022	5900	87.12	7-08-29.8A	02022	6532	95.76	7-10-29.8A	02023
6737	89.43	7-12-28.1A	02024	6482	85.88	7-12-28.1A	02024	6172	80.89	7-10-28.1A	02023	6353	84.94	8-08-28.1B	02025	6580	98.02	7-12-29.8A	02024
7200	95.54	8-08-28.1B	02025	6948	92.26	8-08-28.1B	02025	6205	82.20	7-12-28.1A	02024	6794	99.36	7-10-29.8A	02023	7100	104.18	8-08-29.8B	02025
								6665	98.75	8-08-28.1B	02025	6847	102.21	7-12-29.8A	02024	7365	97.60	8-10-28.1B	02026
								8137	106.23	8-10-28.1B	02026	7355	107.86	8-08-29.8B	02025	7493	98.62	8-12-28.1B	02027
								8311	107.64	8-12-28.1B	02027	7781	102.00	8-10-28.1B	02026				
												7941	103.80	8-12-28.1B	02027				
1812	20.65	5-06-25A	5012	2081	26.57	5-06-26.5A	5012	1658	23.44	5-06-28.5A	5012	2265	28.38	6-08-26.5B	5015	3030	40.24	7-08-28.1A	02022
1949	21.81	5-08-25A	5013	2447	29.68	5-08-26.5A	5013	2057	26.20	5-08-28.5A	5013	3728	47.45	7-08-28.1A	02022	3546	45.76	7-12-28.1A	02024
2426	26.20	6-06-25B	5014	2863	34.99	6-06-26.5B	5014	2558	30.89	6-06-26.5B	5014	4147	53.61	7-10-28.1A	02023	3633	46.46	7-10-28.1A	02023
2726	32.57	5-08-26.5A	5013	3550	44.36	6-08-26.5B	5015	3200	39.86	6-08-26.5B	5015	4226	54.16	7-12-28.1A	02024	4164	53.48	8-08-28.1B	02025
3015	32.72	6-08-25B	5015	4355	56.68	7-08-28.1A	02022	4079	52.36	7-08-28.1A	02022	4760	61.54	8-08-28.1B	02025	4800	65.18	7-08-29.8A	02022
3861	48.60	6-08-26.5B	5015	4871	85.30	7-10-28.1A	02023	4531	59.68	7-12-28.1A	02024	4855	69.40	7-08-29.8A	02022	5043	73.88	7-12-29.8A	02024
4591	60.60	7-08-28.1A	02022	4852	65.13	7-12-28.1A	02024	4586	60.05	7-10-28.1A	02023	5344	79.13	7-12-29.8A	02024	5111	65.41	8-12-28.1B	02027
5205	69.72	7-10-28.1A	02023	5286	77.11	7-08-29.8A	02022	5077	73.37	7-08-29.8A	02022	5470	79.93	7-10-29.8A	02023	5173	75.08	7-10-29.8A	02023
5214	70.00	7-12-28.1A	02024	5512	72.29	8-08-28.1B	02025	5188	67.39	8-08-28.1B	02025	5676	74.74	8-10-28.1B	02026	5198	67.66	8-10-28.1B	02026
5499	80.62	7-08-29.8A	02022	5987	88.13	7-10-29.8A	02023	5671	84.22	7-12-29.8A	02024	5776	74.28	8-12-28.1B	02027	5603	90.61	7-08-31.5A	02022
5790	76.72	8-08-28.1B	02025	5994	89.01	7-12-29.8A	02024	5736	84.21	7-10-29.8A	02023	5803	94.38	7-08-31.5A	02022	5729	82.15	8-08-29.8B	02025
6259	92.05	7-10-29.8A	02023	6174	101.47	7-08-31.5A	02022	5993	98.00	7-08-31.5A	02022	6001	87.59	8-08-29.8B	02025	6259	104.24	7-12-31.5A	02024
6293	93.60	7-12-29.8A	02024	6459	86.67	8-10-28.1B	02026	6031	80.58	8-10-28.1B	02026	6524	109.29	7-12-31.5A	02024	6348	103.42	7-10-31.5A	02023
6833	100.24	8-08-29.8B	02025	6562	98.39	8-08-29.8B	02025	6252	81.52	8-12-28.1B	02027	6565	107.72	7-10-31.5A	02023	6625	98.91	8-10-29.8B	02026
6925	92.62	8-10-28.1B	02026	6645	87.27	8-12-28.1B	02027	6284	92.30	8-08-29.8B	02025	7016	105.41	8-10-29.8B	02026	6930	102.04	8-12-29.8B	02027
7022	92.63	8-12-28.1B	02027									7204	108.49	8-12-29.8B	02027				
3724	48.40	8-12-28.1B	02027	3854	54.87	7-08-29.8A	02022	2513	39.70	7-08-29.8A	02022	4118	58.30	8-10-29.8B	02026	4066	65.57	7-08-31.5A	02022
4206	54.88	8-10-28.1B	02026	4304	61.79	7-12-29.8A	02024	3547	52.22	7-10-29.8A	02023	4583	72.51	7-08-31.5A	02022	4531	72.80	7-12-31.5A	02024
4285	60.47	7-08-29.8A	02022	4413	61.99	7-10-29.8A	02023	3686	53.66	7-12-29.8A	02024	5031	80.47	7-12-31.5A	02024	4668	73.54	7-10-31.5A	02023
4726	68.30	7-12-29.8A	02024	4982	70.10	8-08-29.8B	02025	4249	60.17	8-08-29.8B	02025	5190	81.21	7-10-31.5A	02023	5125	79.94	8-08-31.5B	02025
4837	68.87	7-10-29.8A	02023	5187	82.59	7-08-31.5A	02022	4933	78.09	7-08-31.5A	02022	5630	87.80	8-08-31.5B	02025	6434	102.43	8-10-31.5B	02026
5405	78.38	8-08-29.8B	02025	5678	93.16	7-12-31.5A	02024	5316	78.20	8-08-31.5A	02022					6522	103.92	8-12-31.5B	02027
5406	86.73	7-08-31.5A	02022	5849	93.36	7-10-31.5A	02023	5376	77.50	8-10-29.8B	02026								
5978	98.87	7-12-31.5A	02024	5949	86.04	8-10-29.8B	02026	5549	87.84	7-10-31.5A	02023								
6112	98.56	7-10-31.5A	02023	6084	86.79	8-12-29.8B	02027	6039	94.59	8-08-31.5B	02025								
6290	92.52	8-10-29.8B	02026	6357	100.30	8-08-31.5B	02025												
6528	94.94	8-12-29.8B	02027																
6631	105.48	8-08-31.5B	02025																
3723	62.29	7-12-31.5A	02024	4008	73.78	8-10-31.5B	02026												
3795	62.90	7-10-31.5A	02023																
4023	84.96	8-08-31.5B	02025																
5638	90.38	8-12-31.5B	02027																
5803	92.42	8-10-31.5B	02026																

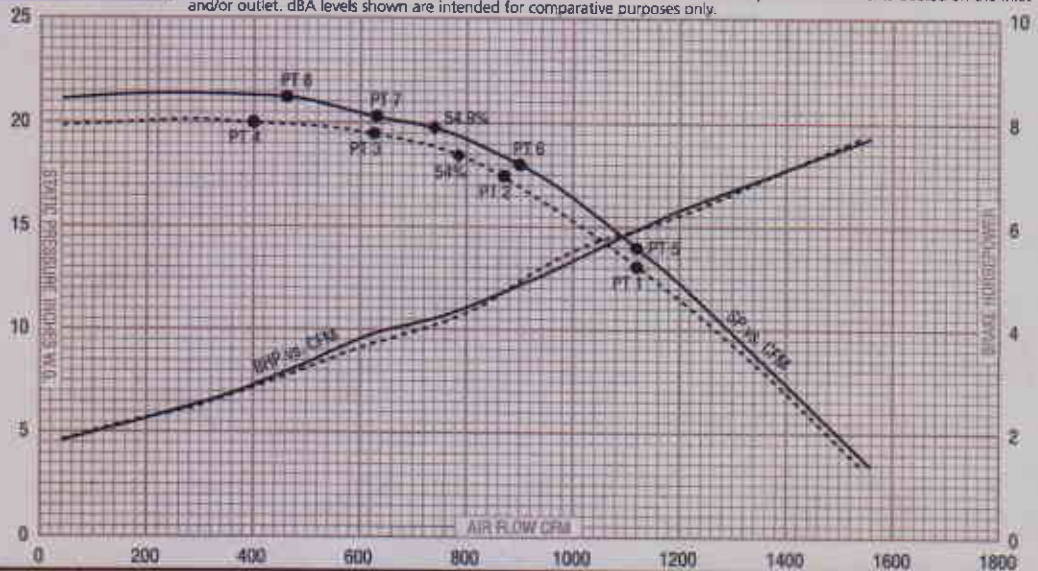
## PERFORMANCE CURVES AND SOUND DATA

Note: All Octave band (Hz) readings shown in charts are sound power (PWL x 1012 watts). The dBA levels shown were obtained in American Fan Company's semi-reverberant laboratory with open inlet and ducted outlet to within the laboratory. Because sound pressure varies depending on surroundings and system, dBA values obtained from your installation may be different. Reductions of dBA levels is also possible if blower is ducted on the inlet and/or outlet. dBA levels shown are intended for comparative purposes only.

### TD-5016/MODEL AVP-1

6" INLET, 5" OUTLET  
3450 RPM, .075 DENSITY @ INLET  
IV = CFM/.1963, OV = CFM/.1364

- KEY TO GRAPH:  
 — = MODEL AVP-1-06-18A  
 - - - = MODEL AVP-1-06-17A  
 ◆ = PEAK STATIC EFFICIENCY  
 ● = OCTAVE BAND PT.



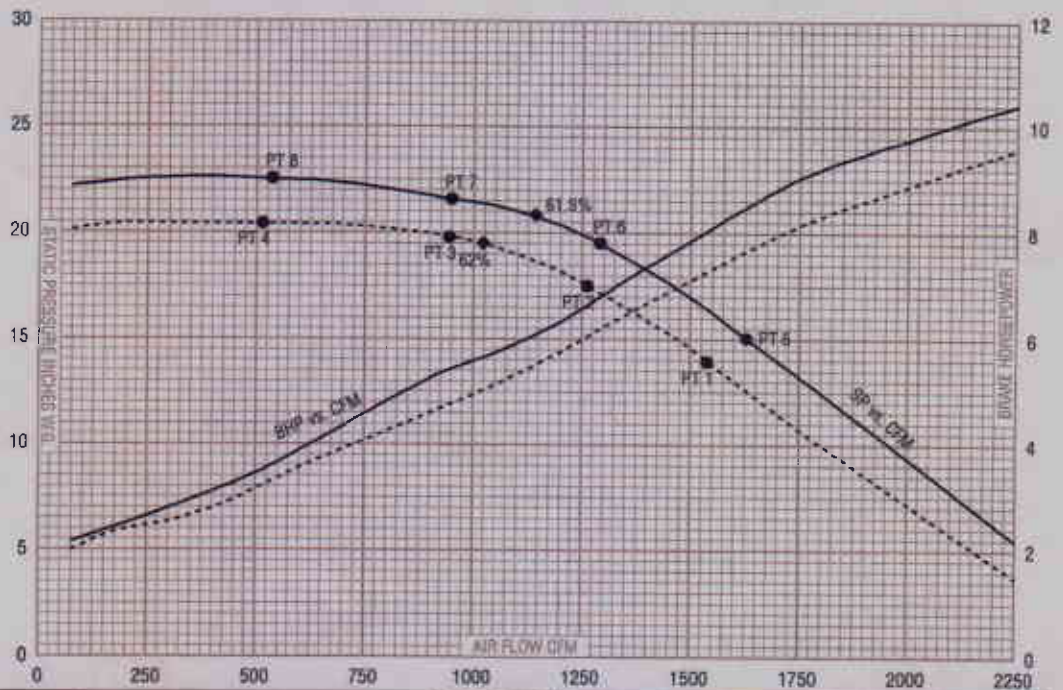
Model Number	PT	CFM	SP	Octave Band (Hz)							dBA @ 5'	
				63	125	250	500	1000	2000	4000		8000
AVP-1-06-17A TD-5016 3450 RPM	1	1120	13	89	96	98	103	96	94	87	82	83
	2	890	17	87	97	96	98	94	90	85	80	89
	3	625	19.5	85	95	96	96	91	88	83	79	87
	4	400	20	86	100	97	96	91	87	83	79	86
AVP-1-06-18A TD-5016 3450 RPM	5	1100	14	88	94	100	105	98	95	86	81	95
	6	900	18	88	97	97	99	95	92	85	80	91
	7	630	20.5	88	98	96	97	94	91	83	79	89
	8	465	21.2	88	98	96	97	93	89	82	78	88



### TD-5017/MODEL AVP-2

6" INLET, 6" OUTLET  
 3450 RPM, .075 DENSITY @ INLET  
 IV = CFM/1963, OV = CFM/1963

KEY TO GRAPH:  
 — = MODEL AVP-2-06-18A  
 - - - = MODEL AVP-2-06-17A  
 ◆ = PEAK STATIC EFFICIENCY  
 ● = OCTAVE BAND PT.

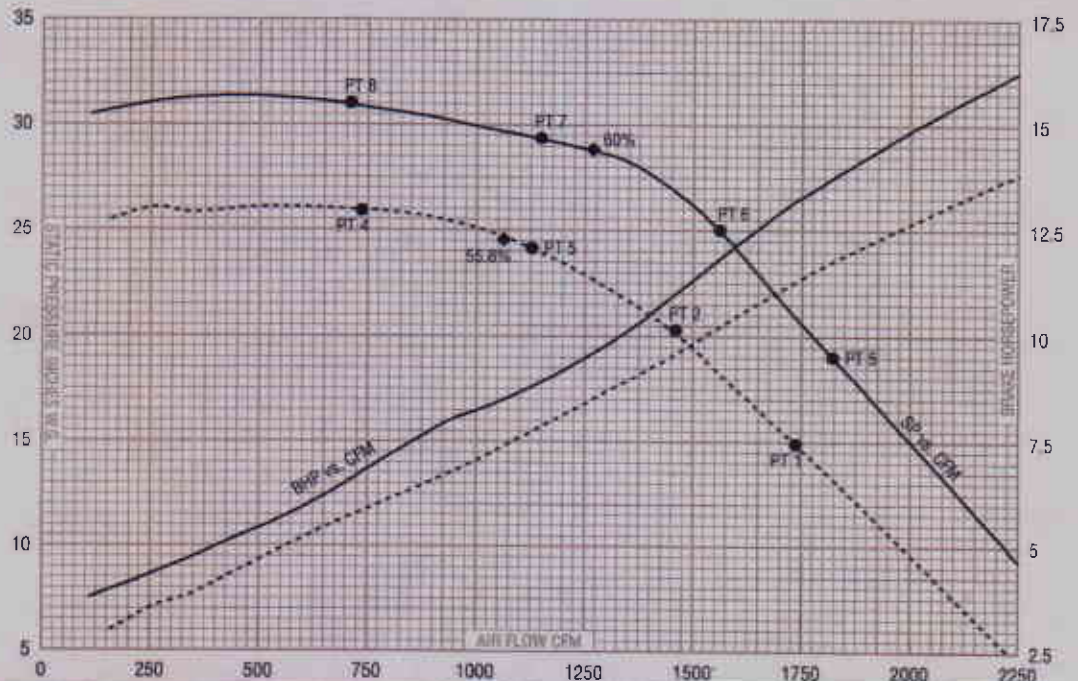


Model Number	PT	CFM	SP	Octave Band (Hz)								dBA @ 5'
				63	125	250	500	1000	2000	4000	8000	
AVP 2-06-17B	1	1560	13.5	90	98	100	108	100	95	86	81	97
TD-5017	2	1255	17.5	87	95	97	101	96	92	85	80	92
3450 RPM	3	925	19.9	87	95	96	97	92	89	84	80	88
	4	515	20.4	89	98	96	98	91	87	83	79	87
AVP-2-06-18B	5	1625	15	89	96	101	113	101	97	88	83	100
TD-5017	6	1285	19.5	89	96	98	101	98	94	86	81	93
3450 RPM	7	960	21.4	89	96	97	97	97	93	86	81	92
	8	535	22.4	88	97	96	101	95	93	84	80	92

### TD-5018/MODEL AVP-3

6" INLET, 6" OUTLET  
 3515 RPM, .075 DENSITY @ INLET  
 IV = CFM/1963, OV = CFM/1963

KEY TO GRAPH:  
 — = MODEL AVP-3-06-21A  
 - - - = MODEL AVP-3-06-19A  
 ◆ = PEAK STATIC EFFICIENCY  
 ● = OCTAVE BAND PT.



Model Number	PT	CFM	SP	Octave Band (Hz)								dBA @ 5'
				63	125	250	500	1000	2000	4000	8000	
AVP 3-06-19A	1	1740	15	90	100	100	105	101	96	91	85	96
TD-5018	2	1475	20	88	98	99	102	99	94	89	83	94
3515 RPM	3	1150	24	89	100	99	99	96	91	87	82	91
	4	740	26	91	102	99	97	97	90	87	82	91
AVP-3-06-21A	5	1825	19	90	100	101	106	101	97	92	86	97
TD-5018	6	1560	25	90	100	101	106	105	96	91	85	99
3515 RPM	7	1150	29.5	89	100	99	101	101	92	89	84	95
	8	720	31	91	102	99	99	101	91	88	84	93

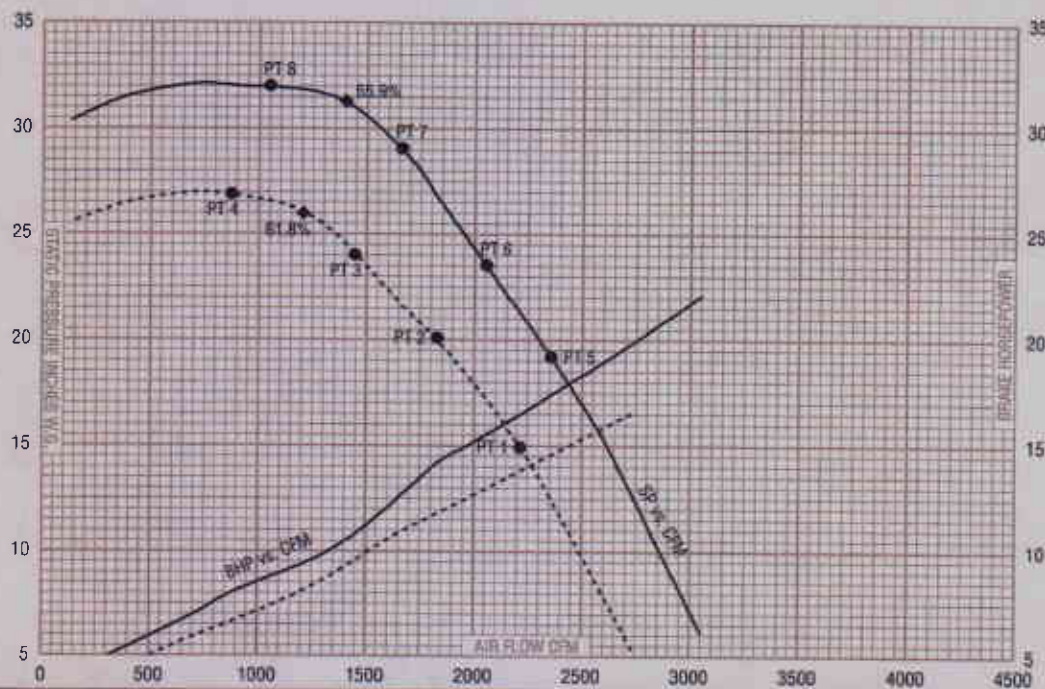


### TD-5019/MODEL AVP-3

8" INLET, 6" OUTLET  
 3515 RPM, .075 DENSITY @ INLET  
 IV = CFM/.3491, OV = CFM/.1963

KEY TO GRAPH:

- = MODEL AVP-3-08-21A
- - - = MODEL AVP-3-08-19A
- ◆ = PEAK STATIC EFFICIENCY
- = OCTAVE BAND PT.



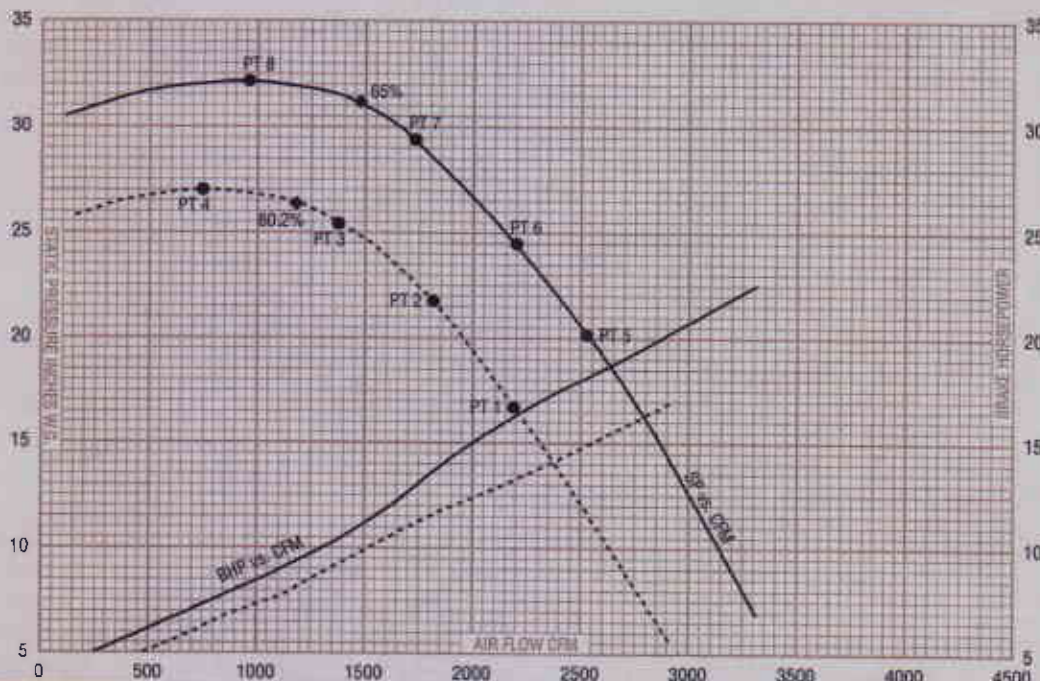
Model Number	PT	CFM	SP	Octave Band (Hz)								dBA @ 5'
				63	125	250	500	1000	2000	4000	8000	
AVP 3-08-19A TD-5019 3515 RPM	1	2220	15	91	102	103	106	104	97	91	86	98
	2	1825	20	90	102	102	103	101	95	89	84	96
	3	1460	24	90	102	101	100	99	92	88	83	93
	4	875	26.7	93	104	100	98	98	91	87	82	92
AVP 3-08-21A TD-5019 3525 RPM	5	2375	19	92	104	105	114	106	99	93	87	102
	6	2050	23.5	90	103	103	110	106	97	91	86	100
	7	1690	29	90	102	101	104	103	95	90	85	97
	8	1050	32	94	105	100	100	102	91	87	83	95

### TD-5020/MODEL AVP-3

10" INLET, 6" OUTLET  
 3515 RPM, .075 DENSITY @ INLET  
 IV = CFM/.5454, OV = CFM/.1963

KEY TO GRAPH:

- = MODEL AVP-3-10-21A
- - - = MODEL AVP-3-10-19A
- ◆ = PEAK STATIC EFFICIENCY
- = OCTAVE BAND PT.



Model Number	PT	CFM	SP	Octave Band (Hz)								dBA @ 5'
				63	125	250	500	1000	2000	4000	8000	
AVP 3-10-19A TD-5020 3515 RPM	1	2200	16.5	93	104	103	104	102	96	90	85	97
	2	1840	21.5	92	104	103	104	102	95	90	85	96
	3	1370	25.5	91	105	102	100	99	93	88	83	93
	4	750	26.9	96	108	101	98	98	91	87	83	92
AVP 3-10-21A TD-5020 3515 RPM	5	2525	20	93	105	105	111	105	100	92	86	101
	6	2175	24.5	91	104	104	108	104	99	91	86	99
	7	1700	29.5	91	106	103	103	101	95	90	85	96
	8	980	32	95	108	102	101	102	92	86	84	95

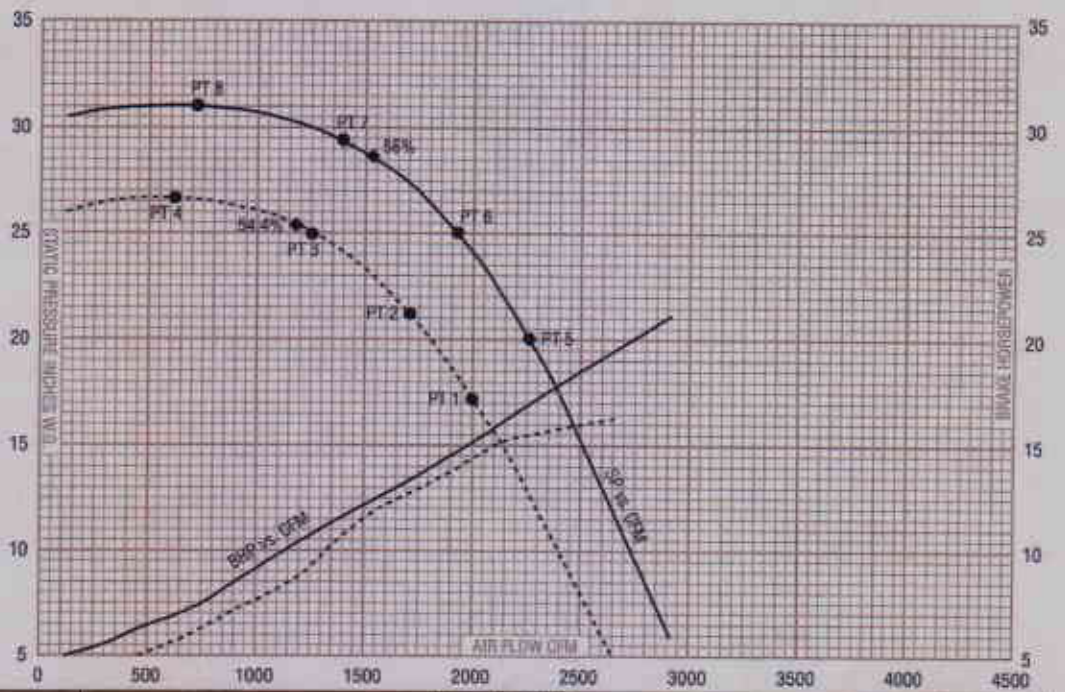


### TD-5021/MODEL AVP-4

6" INLET, 6" OUTLET  
 3515 RPM, .075 DENSITY @ INLET  
 IV = CFM/.1963, OV = CFM/.1963

**KEY TO GRAPH:**

- = MODEL AVP-4-06-21B
- - - = MODEL AVP-4-06-19B
- ◆ = PEAK STATIC EFFICIENCY
- = OCTAVE BAND PT.



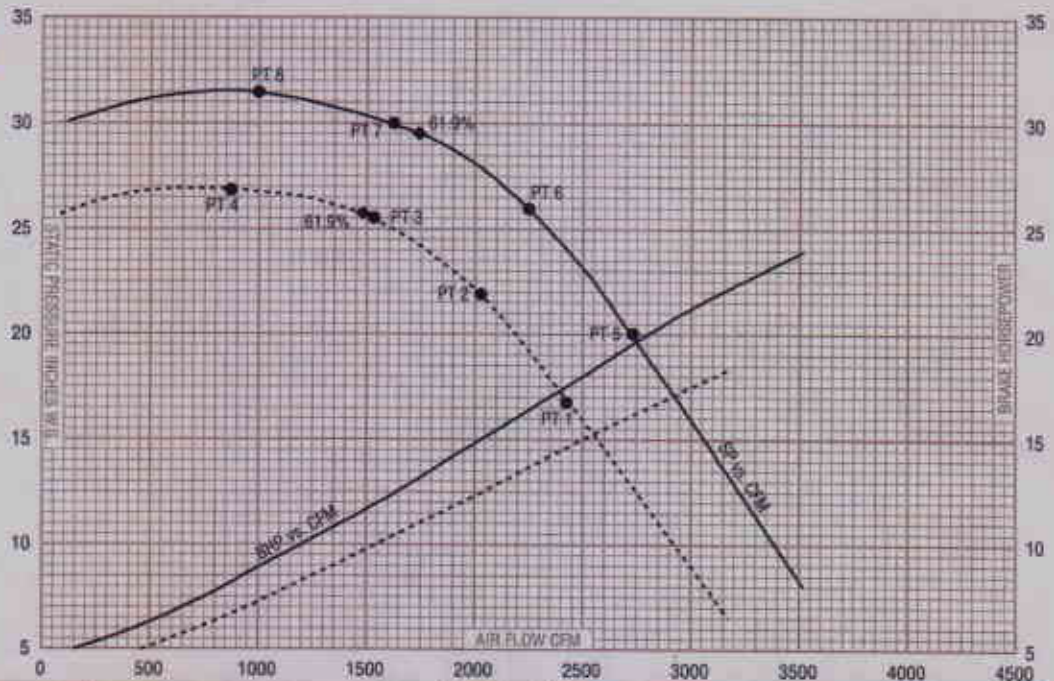
Model Number	PT	CFM	SP	Octave Band (Hz)								dBA @ 5'
				83	125	250	500	1000	2000	4000	8000	
AVP-4-06-19B	1	1995	17.5	91	101	104	109	101	96	90	87	98
TD-5021	2	1675	21.5	91	101	103	105	99	94	89	86	95
3515 RPM	3	1270	25	91	101	107	100	97	92	89	86	92
	4	625	26.5	93	101	102	99	96	91	88	85	91
AVP-4-06-21B	5	2255	20	92	99	104	114	112	100	93	89	105
TD-5021	6	1925	25	91	99	103	112	110	98	92	87	103
3515 RPM	7	1395	29.5	91	99	102	107	105	95	91	87	98
	8	725	30.9	93	103	103	104	100	93	89	86	94

### TD-5022/MODEL AVP-4

8" INLET, 6" OUTLET  
 3515 RPM, .075 DENSITY @ INLET  
 IV = CFM/.3491, OV = CFM/.1963

**KEY TO GRAPH:**

- = MODEL AVP-4-08-21B
- - - = MODEL AVP-4-08-19B
- ◆ = PEAK STATIC EFFICIENCY
- = OCTAVE BAND PT.



Model Number	PT	CFM	SP	Octave Band (Hz)								dBA @ 5'
				63	125	250	500	1000	2000	4000	8000	
AVP-4-08-19B	1	2440	17	90	104	105	115	103	98	92	89	102
TD-5022	2	2020	22	92	106	103	108	100	95	90	87	97
3515 RPM	3	1540	25.4	93	106	102	104	97	92	88	87	93
	4	875	26.9	95	107	103	100	94	90	88	86	91
AVP-4-08-21B	5	2720	20	93	102	106	116	114	102	94	90	108
TD-5022	6	2250	26	92	102	103	109	106	99	93	90	101
3515 RPM	7	1620	30	94	104	103	106	99	97	92	89	96
	8	1000	31.5	95	105	102	102	98	93	90	88	93