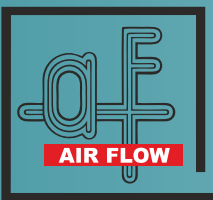
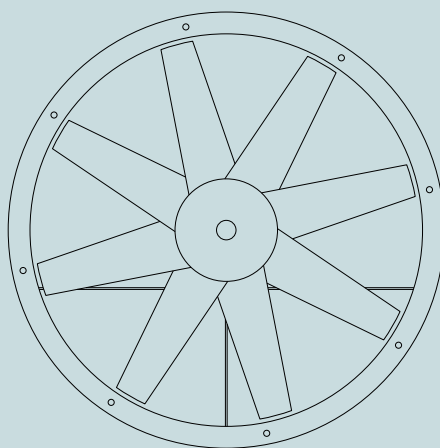
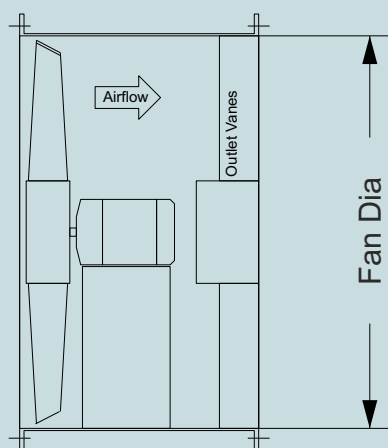
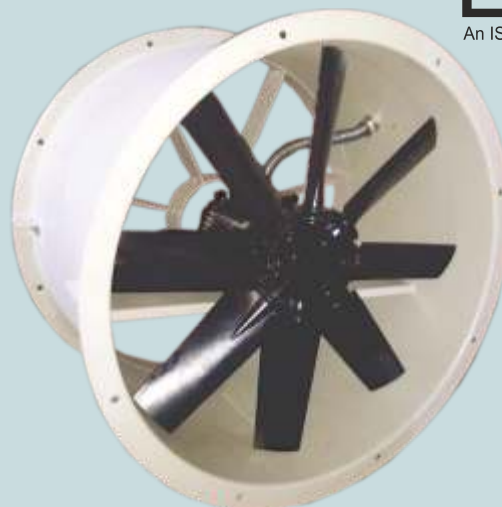


# Vane Axial Fans



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## AFPV-X



Fan Model	Fan Dia	No. of blades
AFPV-X 500-131-8	500mm	8 #
AFPV-X 560-146-8	560mm	8 #
AFPV-X 630-165-8	630mm	8 #
AFPV-X 710-187-8	710mm	8 #
AFPV-X 800-209-8	800mm	8 #
AFPV-X 900-235-8	900mm	8 #
AFPV-X 1000-262-8	1000mm	8 #
AFPV-X 1120-293-8	1120mm	8 #
AFPV-X 1250-327-8	1250mm	8 #
AFPV-X 1325-347-8	1325mm	8 #
AFPV-X 1400-366-8	1400mm	8 #
AFPV-X 1500-392-8	1500mm	8 #
AFPV-X 1600-418-8	1600mm	8 #
AFPV-X 1800-470-8	1800mm	8 #
AFPV-X 2000-522-8	2000mm	8 #

## Company Profile

**We** “Efforts combined with a sincere selfless commitment and continuous pursuance of excellence Translate into Success;”

At Air Flow, these 4 decades of existence have been an endless process of attaining ‘Success’ with enhancing capabilities, consolidating commitment and cementing faith in quality and innovation. Right from the inception in 1973, we have been leaders in manufacturing , Exporting and importing Air Terminal Products, Air Distribution Products, Smoke/Fire Damper, Jet Fans Axial Flow Fans, Centrifugal Fans, Flexible Duct Connectors, Jet Nozzles and Louvers through this long duration of time. The way we’re empowering our product line and winning laurels from our clients world over by continuously improving upon our existing set on skills, technology, and range, we are poised to set more and more landmarks globally in the future.

Being in the good books of architects, consultants, contractors and builders is one of the key assets we cherish from the core of our heart. Yet again, it’s the idea of giving this best and always raising the bar of standards high that propel us towards accomplishing what many think impossible. AMCA Certification for Axial Flow Fans, Fire Rating for Axial Flow Fans & Jet Fans, truly stands the acknowledgment of the most powerful characteristic of the Company as ever.

Not only did we set new benchmarks in achieving the Exova and AMCA Certification for our Axial Flow Fans, we happen to be the sole manufacturers of the one of a kind UL Listed Axial Flow fans in the Aisa Certified by Underwriters Laboratories in accordance with UL-705. Now-a-days, the UL Fans has become important part of basement ventilation.

Air Flow has a team of hard core professionals who believe in ‘ just make it happen’ Our tremendous growth over the year speaks volumes about our professional integrity and never-say–die spirit. Surely, at Air Flow we understand the importance of staying self-motivated and determined to make a difference through what we do’

# Introduction



Air Flow Pvt. Ltd. certifies that the Vane Axial fans AFPV-X 500-131-8 to AFPV-X 2000-522-8 (page 14 to 43) 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.

Covers a wide range of volumetric flow and pressure conditions. Fans are Aluminum alloy impellers with adjustable blade. The blade pitch is field adjustable to suiting site conditions.

## Features

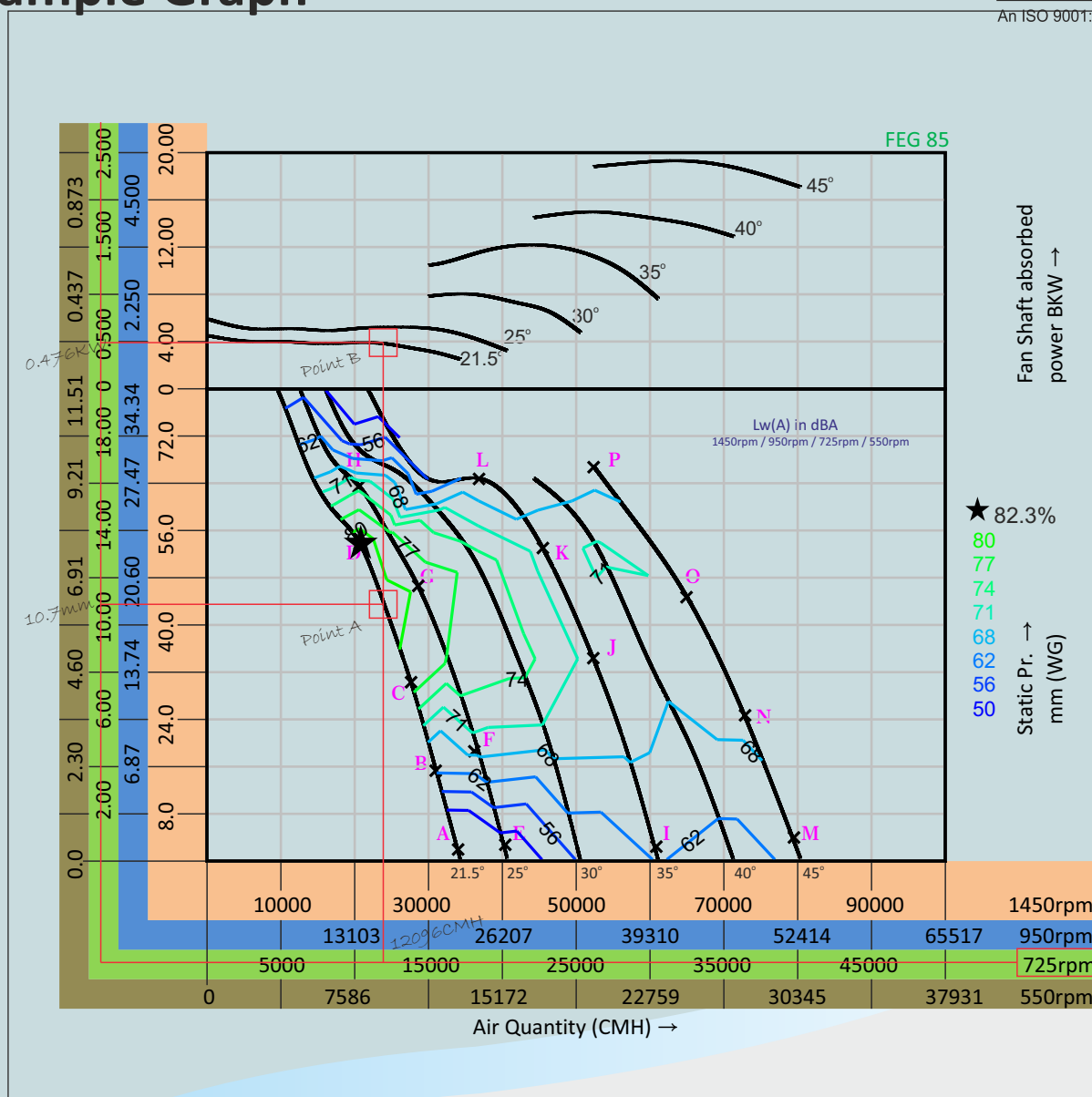
- a) High efficiency
- b) Quality raw materials
- c) Versatile construction
- d) Long life finish

## Typical application

- a) General ventilation
- b) Emergency heat and smoke exhaust stairwell & pressurization
- c) Parking & basement ventilation
- d) Industrial processes Ventilation
- e) Tunnel ventilation
- f) Generator room ventilation
- g) Wide range of volumes.
- h) Minimum operating cost per cubic meter of space.
- i) Minimum space and weight



## Example Graph

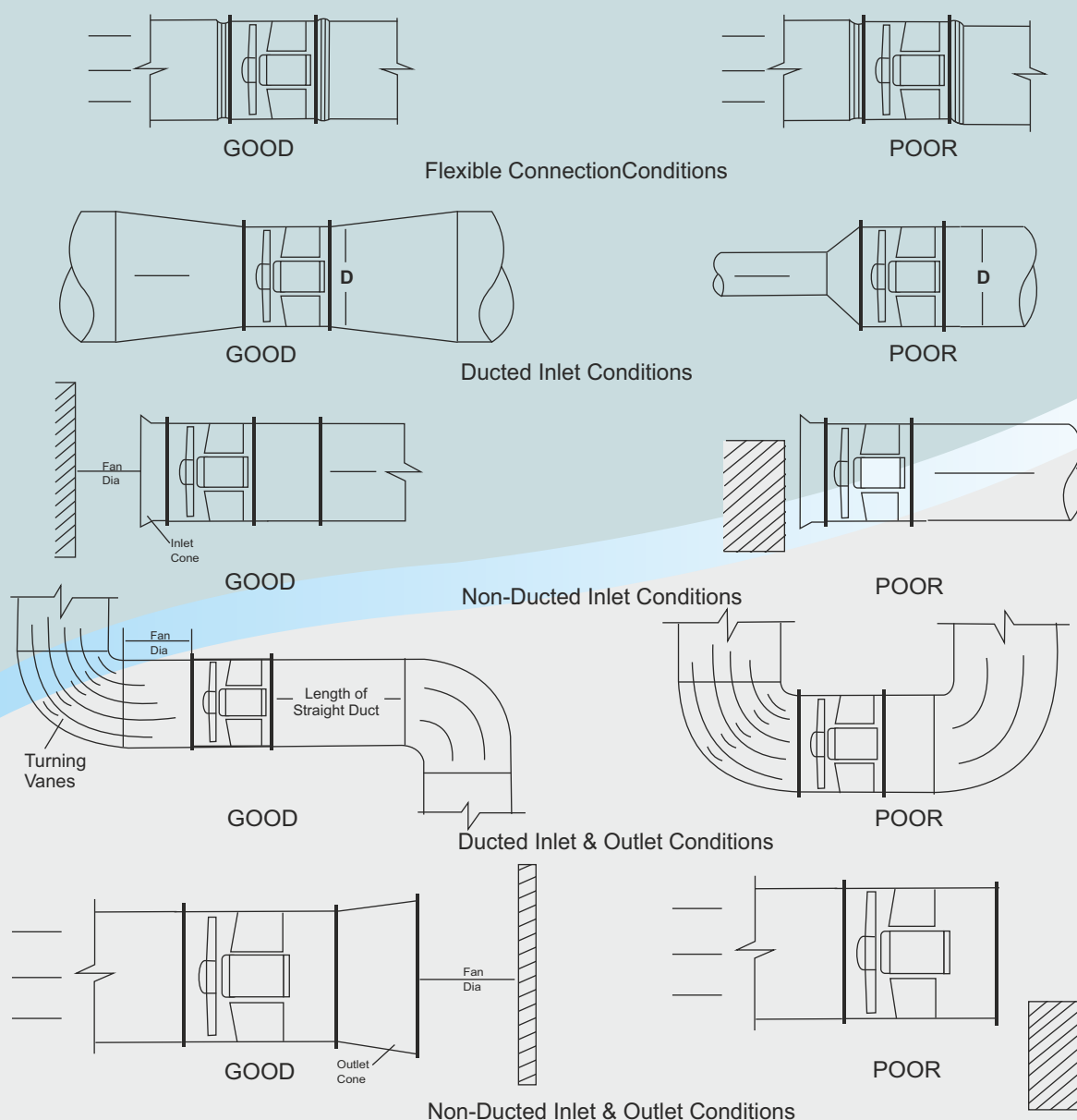


# System Effects

## Factors affecting Air Performance

**System Effect:** A pressure loss which recognizes the effect of fan inlet restrictions, fan outlet restrictions or other conditions influencing fan performance when installed in the system. Duct elbows, transitions or other disruptions to uniform airflow may contribute to system effect, by the proximity to walls, beams and other obstruction to air flow in case of unducted fans. For a quantitative discussion of system effects refer to AMCA Publication 201 - Fans and Systems.

The diagram below shows some more common causes of system effect.





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## Fan Laws

$$CMH_2 = CMH_1 \times \left( \frac{RPM_2}{RPM_1} \right)^1 \times \left( \frac{D_2}{D_1} \right)^3 \times \left( \frac{d_2}{d_1} \right)^0$$

$$SP_2 = SP_1 \times \left( \frac{RPM_2}{RPM_1} \right)^2 \times \left( \frac{D_2}{D_1} \right)^2 \times \left( \frac{d_2}{d_1} \right)^1$$

$$BKW_2 = BKW_1 \times \left( \frac{RPM_2}{RPM_1} \right)^3 \times \left( \frac{D_2}{D_1} \right)^5 \times \left( \frac{d_2}{d_1} \right)^1$$

**CMH** - Air quantity in Cubic Meter per Hour

**SP** - Static Pressure in mm WG

**BKW** - Fan Brake Kilowatt

**RPM** - Fan revolution per minute

**D** - Fan diameter

**d** - Density of air Standard air density = 1.2kg/m<sup>3</sup>

At higher than standard elevations and temperatures, air density will be lower than standard.

**1** - Initial State

**2** - Final State

To calculate:

Total Pressure = static pressure + velocity Pressure

Velocity Pressure (Pa) = ½ x d (density of air kg/m<sup>3</sup> x (Fan Outlet velocity m/s)<sup>2</sup>

Fan outlet Velocity (m/s) = CMH ÷ Duct area (sq. mtr) ÷ 3600

Tip speed (m/s) = π x fan diameter (mtr) x fan rpm ÷ 60

Total efficiency η % =  $\frac{CMS \times \text{Total Pressure (mm WG)}}{102 \times BKW}$

### Velocity

Feet/Min. (fpm)	Meter/Sec (mps)	Meters/Min. (mpm)	Meters/Hr. (mph)
1.0	0.00508	0.3048	18.288
60.0	0.3038	18.228	1093.7
80.0	0.4	26.822	1609.4
196.85	1.0	60.0	3600.0
3.2808	0.0167	1.0	60.0
0.05468	0.000267	0.01667	1.0

### Volume Flow Rates:

Cubic Ft./Min (CFM)	Cubic Meter/Sec. (M3/S)	Cubic Meters/Hr. (M3/Hr.)
1.0	0.000472	1.699
0.01667	0.00000787	0.02832
2118.9	1.0	3600.0
35.315	0.01667	60.0
0.58858	0.00028	1.0
2.1189	0.001	3.6

### MISCELLANEOUS CONVERSION FACTORS

#### LENGTH

1 in = 2.54 cm  
1 ft = .348 m  
1 yd = .9144 m  
1 mi = 1.6093 km  
1 nau. mi = 1.1516 mi

#### AREA

1 in<sup>2</sup> = 6.4516 cm<sup>2</sup>  
1 Ft<sup>2</sup> = .0929 m<sup>2</sup>  
1 yd<sup>2</sup> = .8381 m<sup>2</sup>  
1 mi<sup>2</sup> = 2.5899 Km<sup>2</sup>

#### POWER

1 hp = .746 KW  
1 hp = 550 ft-lb/sec  
1 hp = 33000 ft-lb/min  
1 hp = 76.04 kg-m/sec  
1 hpm = 75.00 kg-m/sec

#### HEAT

1 Btu = 777.97 Ft-lb  
1 hp = 2545 Btu/hr  
1 hp = 1.014 metric hp  
1 hp = .0761 boiler hp  
1 kw = 3414 Btu/hr  
1 Ton = 12000 Btu/hr

#### DENSITY

1 lb/ft<sup>3</sup> = 16.018 kg/m<sup>3</sup>

#### TIP SPEED

1 fpm = .0051 m/s



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## Asking for 90dBA Fan

### \* Article abstract from AMCA Techspec Vol.III - No.1

Asking for 90dBA Fan is a lot like asking for a “light”, you don't know what you are going to get. The term dBA relates to sound pressure. How much sound pressure emanates from a fan depends on a number of variable.

Calculate sound pressure from the fan sound power rating using unknown variables.

### Comparing light levels

Most of us are much more familiar with light, If someone says he has a 100 watt light bulb you have some idea of the candlepower available. If the light bulb is frosted you know more about the available light, but if you want to read by the light, you want to know the light intensity level at the reading location. Light intensity level is expressed as foot candles, this is equivalent to sound pressure level in dB.

If you think in terms of light intensity for reading, using only light from a 100 Watt frosted light bulb, there are lot of question to be answered. Some question are:

	Question for client	Light aspect	Sound aspect
a)	How far is the Light?	If the light is the mile away it is not much use.	How far is the fan?
b)	Is the light outdoors?	With no walls, all but the direct light radiates out into “free field” of space.	Is the fan outdoors?
c)	How big is the room?	Light could reflect off all the walls of a small room.	How big is the room?
d)	Are the room walls white?	A room covered with black velvet would not reflect much light regardless of its size.	How sound absorbent are the walls?

### Calculating Sound Pressure

Sound questions are very similar to the light questions. Sound instruments measure only sound pressure, this pressure varies depending on the surroundings. To calculate sound pressure from sound power, all the variables have to be considered. AMCA publication 303 Application of Sound Power Level Ratings for fan is an introduction to the complex relationship between sound power level at one location and the sound pressure level, what is heard, at a second location.

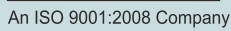
### Human Response

One further complication of working with a sound is that the ear sensitivity varies with frequency. A low frequency sound of a certain power does not seem as loud as a higher frequency sound of the identical power. To account for this difference a “weighting scale” has been developed . Sound power levels adjusted by this specific weighting scale are called “A weighted”. Sound pressure levels are calculated to a single number dBA.

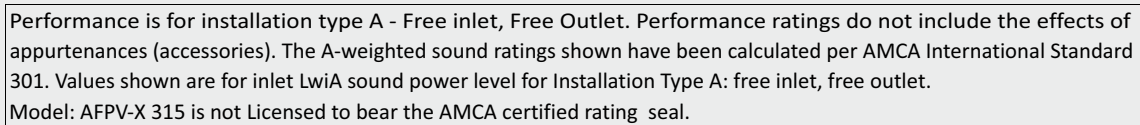
### Free Field Ratings

Because one environment, a free field, can be easily defined it is sometimes used to specify desired sound pressure levels. If a fan is placed on the ground in a large open field all of its sound would radiate out in a hemispherical free field with no sound reflected back .These condition are fully defined and it is possible to convert fan sound power to sound pressure at a specific distance. As the distance increases the sound pressure decreases, so only sound pressure comparisons at a given distance are valid. If you specify a 90 dBA maximum fan at five feet in a hemispherical free field, it is possible to calculate dBA sound pressure from sound power rating. When no conditions are given comparisons cannot be made. Fan A measures 90 dBA at 10 feet and a 12 dB louder fan, Fan B, measures 90 dBA at 40 feet, both in a hemispherical free field .Any fan can meet the maximum criterion if properly located.

Since few fans are used in an open field it is likely that a 90 dBA specification refers to a specific location. Much more data are needed to decide fan sound power limits which will provide a 90 dBA pressure measurement.



Fan outlet and Inlet area: 0.0780 sq. mtr.

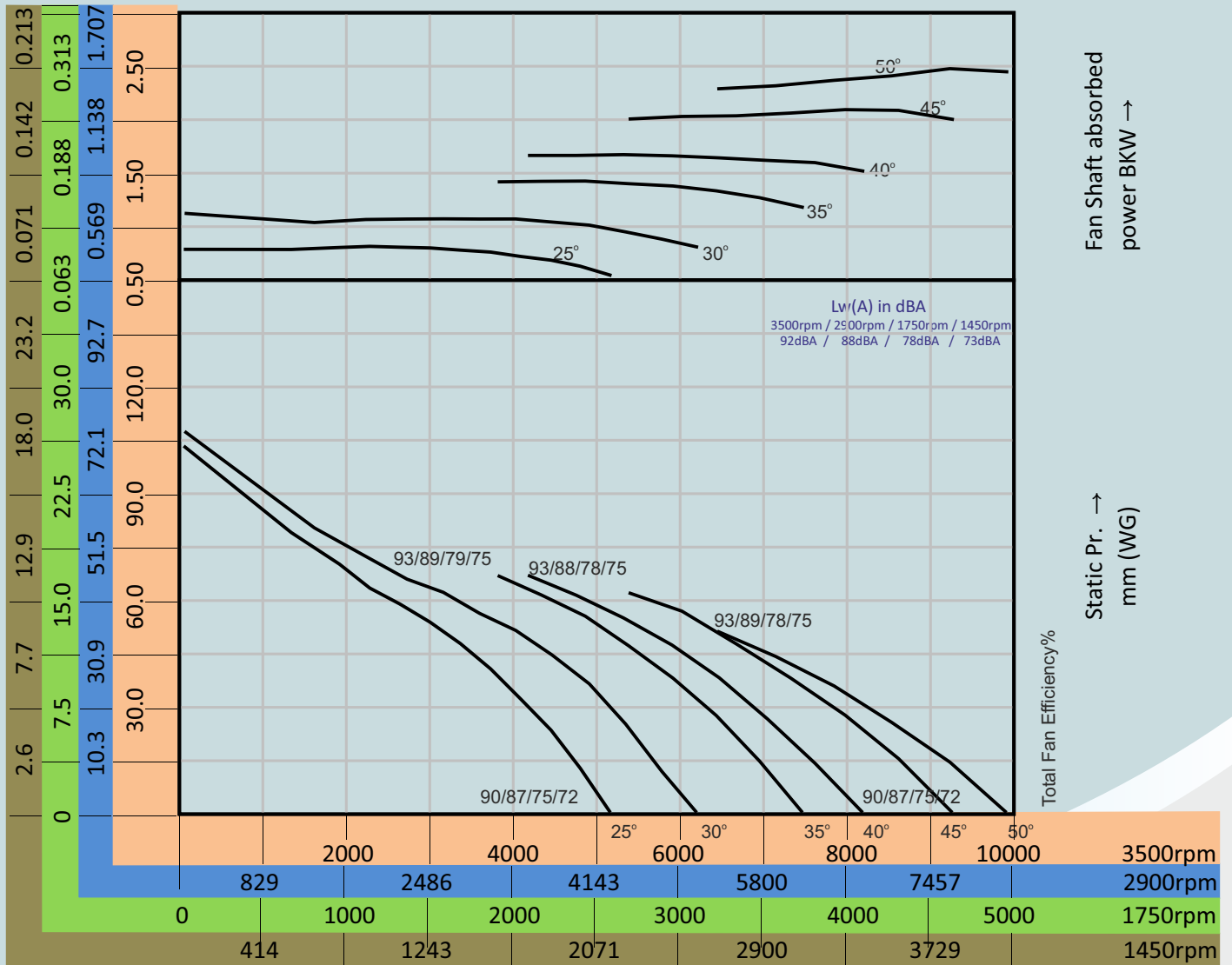




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■ FAN MODEL : AFPV-X 355

Fan outlet and Inlet area: 0.0990 sq. mtr.



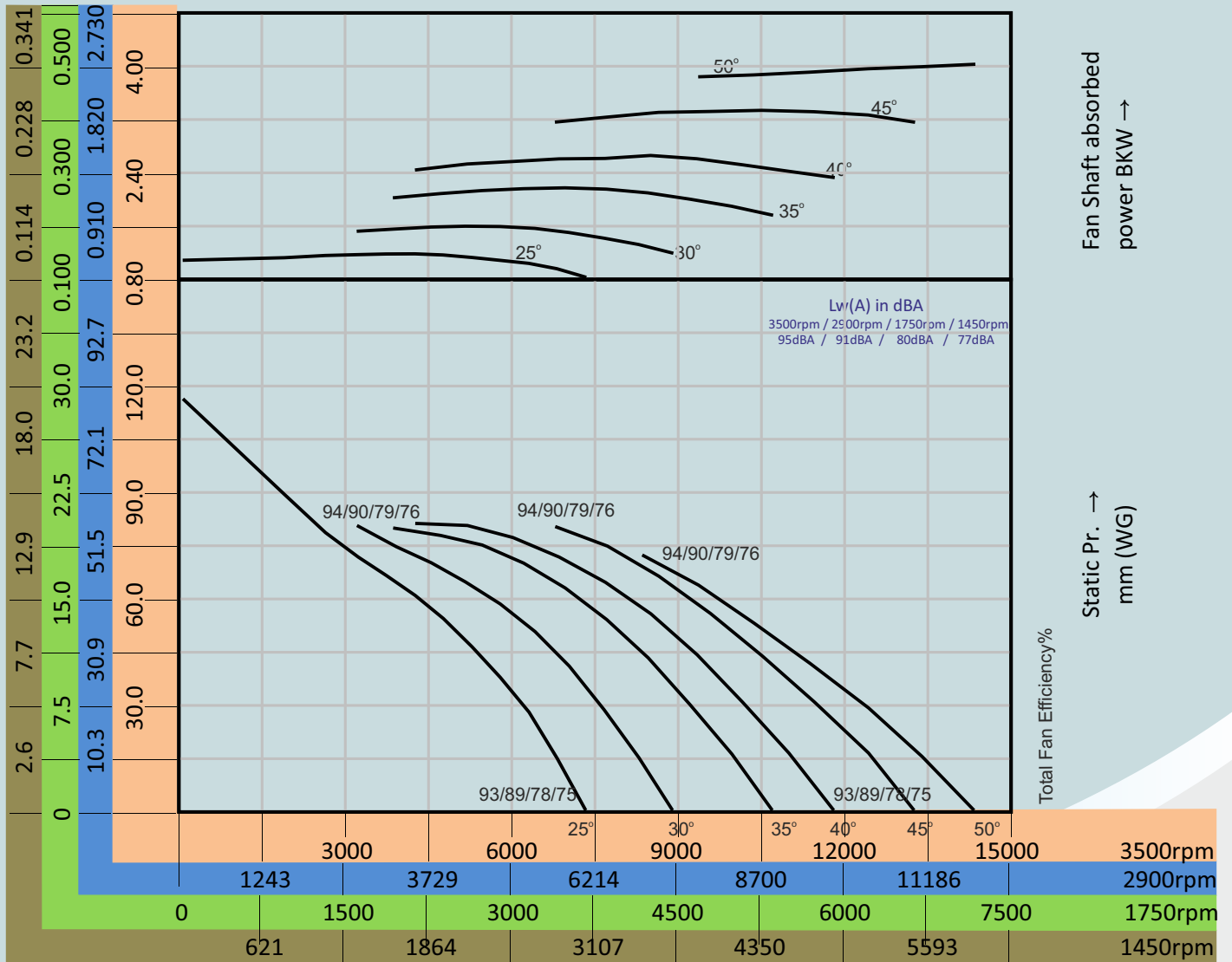
Performance is for installation type A - Free inlet, Free Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lw(A) sound power level for Installation Type A: free inlet, free outlet.  
Model: AFPV-X-355 is not Licensed to bear the AMCA certified rating seal.



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■ FAN MODEL : AFPV-X 400

Fan outlet and Inlet area: 0.1257 sq. mtr.



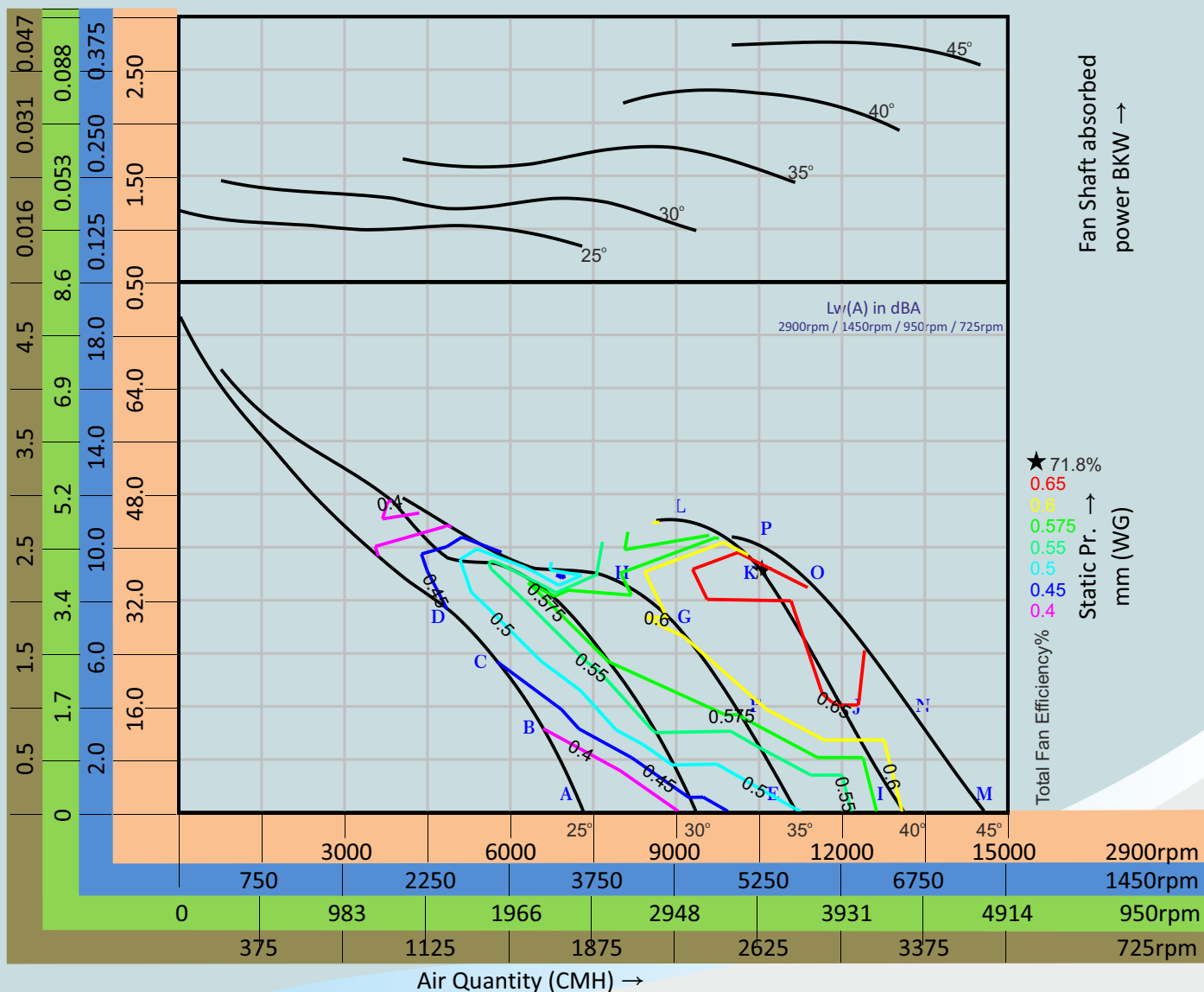
Performance is for installation type A - Free inlet, Free Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lw(A) sound power level for Installation Type A: free inlet, free outlet.  
Model: AFPV-X 400 is not Licensed to bear the AMCA certified rating seal.



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# ■ FAN MODEL : AFPV-X 450

Fan outlet and Inlet area: 0.1591 sq. mtr.



Performance is for installation type A - Free inlet, Free Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L<sub>w</sub>iA sound power level for Installation Type A: free inlet, free outlet.  
Model: AFPV-X 450 is not Licensed to bear the AMCA certified rating seal.

LwA in dBA 2900/1450/950/725rpm				LwA in dBA 2900/1450/950/725rpm				LwA in dBA 2900/1450/950/725rpm				LwA in dBA 2900/1450/950/725rpm			
A	96 / 78 / 68 / 62			E	95 / 77 / 67 / 60			I	96 / 77 / 67 / 60			M	96 / 78 / 68 / 62		
B	97 / 80 / 69 / 63			F	96 / 77 / 67 / 60			J	96 / 77 / 67 / 60			N	96 / 78 / 68 / 62		
C	99 / 81 / 70 / 64			G	95 / 77 / 67 / 60			K	96 / 78 / 68 / 61			O	96 / 78 / 68 / 62		
D	100 / 80 / 69 / 62			H	99 / 81 / 70 / 63			L	100 / 82 / 70 / 63			P	96 / 79 / 69 / 63		

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels L <sub>w</sub> i (dB)								Overall L <sub>w</sub> iA (dBA)	Loudness in Sones	Blade Angle
				63	125	250	500	1000	2000	4000	8000			
7330	0.0	2900	0.832	91	99	98	91	89	89	84	82	96	46	25°
8942	29.0	2900	1.768	88	96	96	91	86	87	85	83	95	44	35°
10476	37.1	2900	2.28	89	97	97	93	89	89	86	83	96	47	40°
14256	4.1	2900	2.528	92	100	100	93	88	89	85	84	97	50	45°
4471	7.2	1450	0.221	76	77	75	70	72	70	68	66	77	15.0	35°
5238	9.3	1450	0.285	77	78	77	73	74	71	68	66	78	16.0	40°

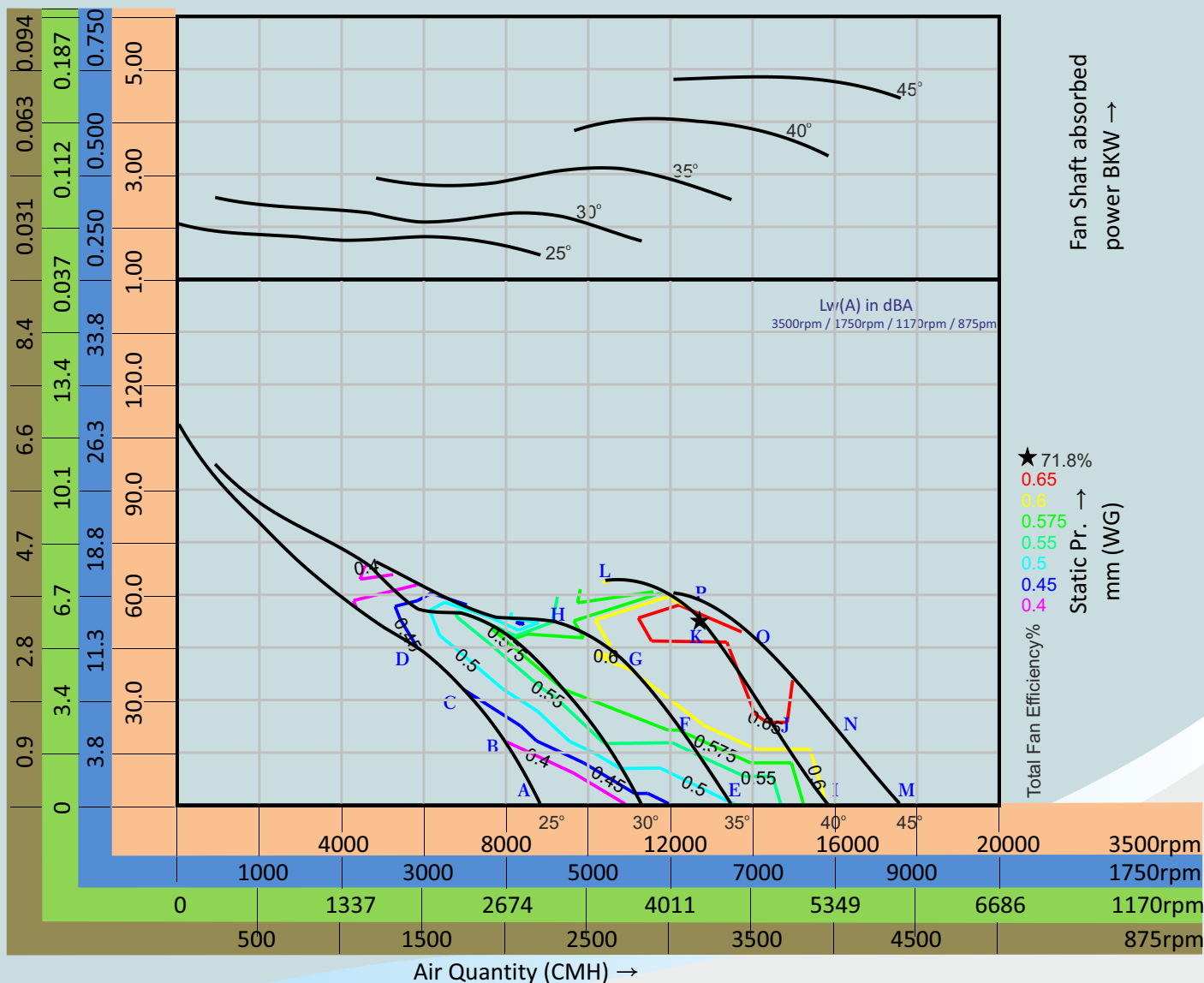




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# ■ FAN MODEL : AFPV-X 450

Fan outlet and Inlet area: 0.1591 sq. mtr.



Performance is for installation type A - Free inlet, Free Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power level for Installation Type A: free inlet, free outlet.  
Model: AFPV-X 450 is not Licensed to bear the AMCA certified rating seal.

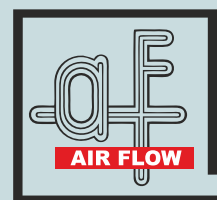
LwA in dBA 3500/1750/1170/875rpm				LwA in dBA 3500/1750/1170/875rpm				LwA in dBA 3500/1750/1170/875rpm				LwA in dBA 3500/1750/1170/875rpm			
A	102 / 83 / 73 / 66			E	101 / 82 / 72 / 65			I	102 / 83 / 72 / 65			M	103 / 84 / 73 / 66		
B	103 / 84 / 74 / 67			F	102 / 82 / 72 / 64			J	102 / 83 / 72 / 65			N	102 / 83 / 73 / 66		
C	104 / 86 / 75 / 68			G	100 / 82 / 72 / 65			K	102 / 83 / 73 / 66			O	102 / 83 / 73 / 66		
D	106 / 86 / 74 / 67			H	104 / 86 / 75 / 68			L	106 / 87 / 76 / 68			P	102 / 84 / 74 / 67		

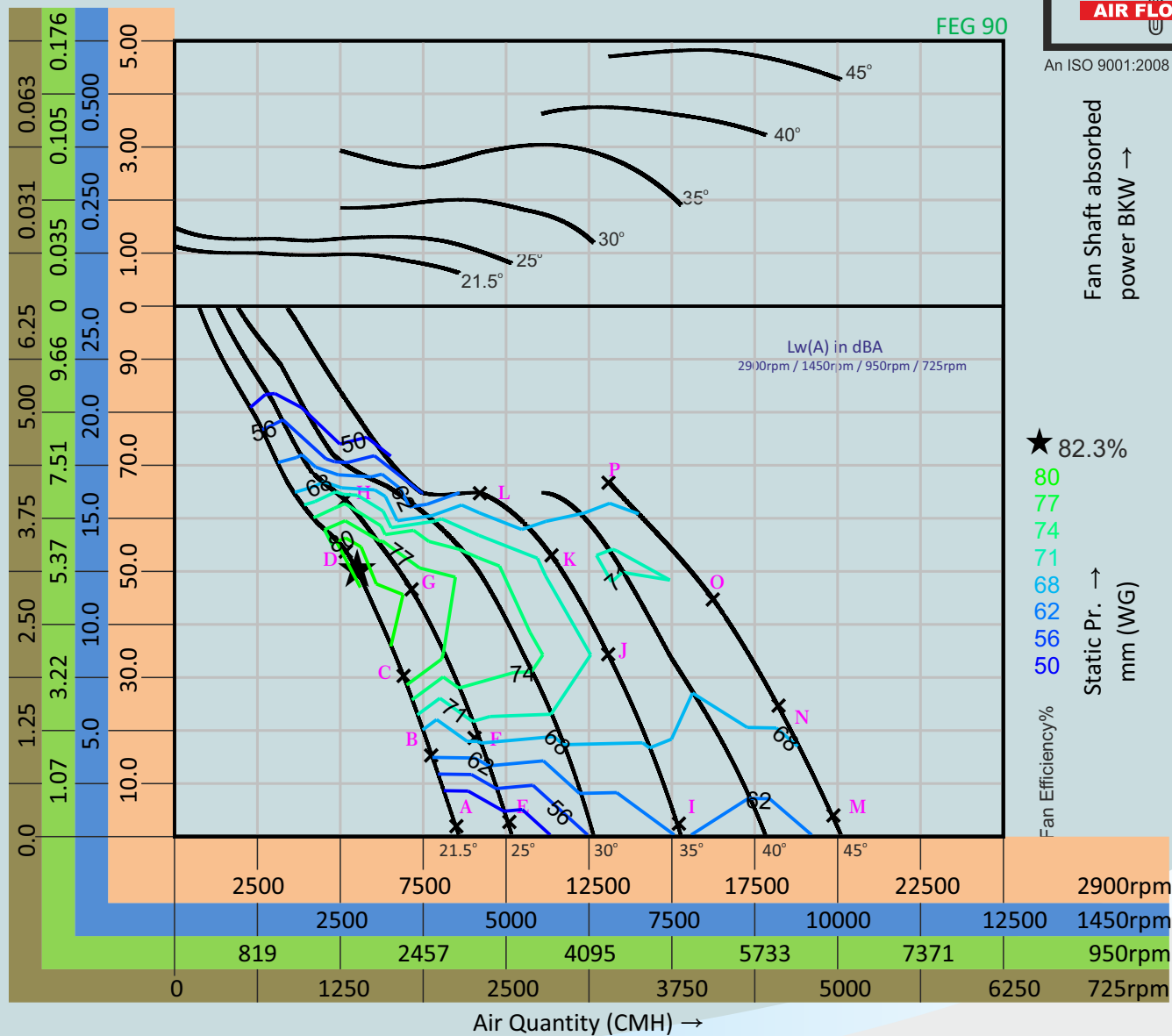
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi (dB)								Overall LwiA (dBA)	Loudness in Sones	Blade Angle
				63	125	250	500	1000	2000	4000	8000			
10793	42.2	3500	3.108	92	100	99	100	91	91	90	88	100	60	35 °
4423	0.0	1750	0.183	83	83	84	78	78	75	72	73	83	22	25 °
5396	10.5	1750	0.389	80	81	83	76	76	75	73	71	82	20	35 °
6322	13.5	1750	0.501	81	82	85	78	78	76	73	71	83	21	40 °
8603	1.5	1750	0.556	84	85	86	78	78	75	73	74	84	24	45 °
3480	7.2	1170	0.149	71	78	76	74	71	67	63	60	76	13.4	40 °

■ FAN MODEL : AFPV-X 500-131-8

Fan outlet and Inlet area: 0.1964 sq. mtr.



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Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 500-131-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 2900/1450/950/725rpm		LwA in dBA 2900/1450/950/725rpm		LwA in dBA 2900/1450/950/725rpm		LwA in dBA 2900/1450/950/725rpm
A	98 / 82 / 71 / 65	E	96 / 79 / 69 / 63	I	97 / 79 / 69 / 63	M	96 / 80 / 69 / 63
B	100 / 83 / 72 / 66	F	97 / 80 / 70 / 63	J	93 / 77 / 67 / 61	N	97 / 79 / 69 / 63
C	100 / 83 / 72 / 66	G	101 / 84 / 73 / 66	K	97 / 79 / 69 / 63	O	97 / 80 / 69 / 63
D	100 / 81 / 70 / 63	H	101 / 82 / 71 / 63	L	102 / 82 / 70 / 63	P	98 / 81 / 70 / 64

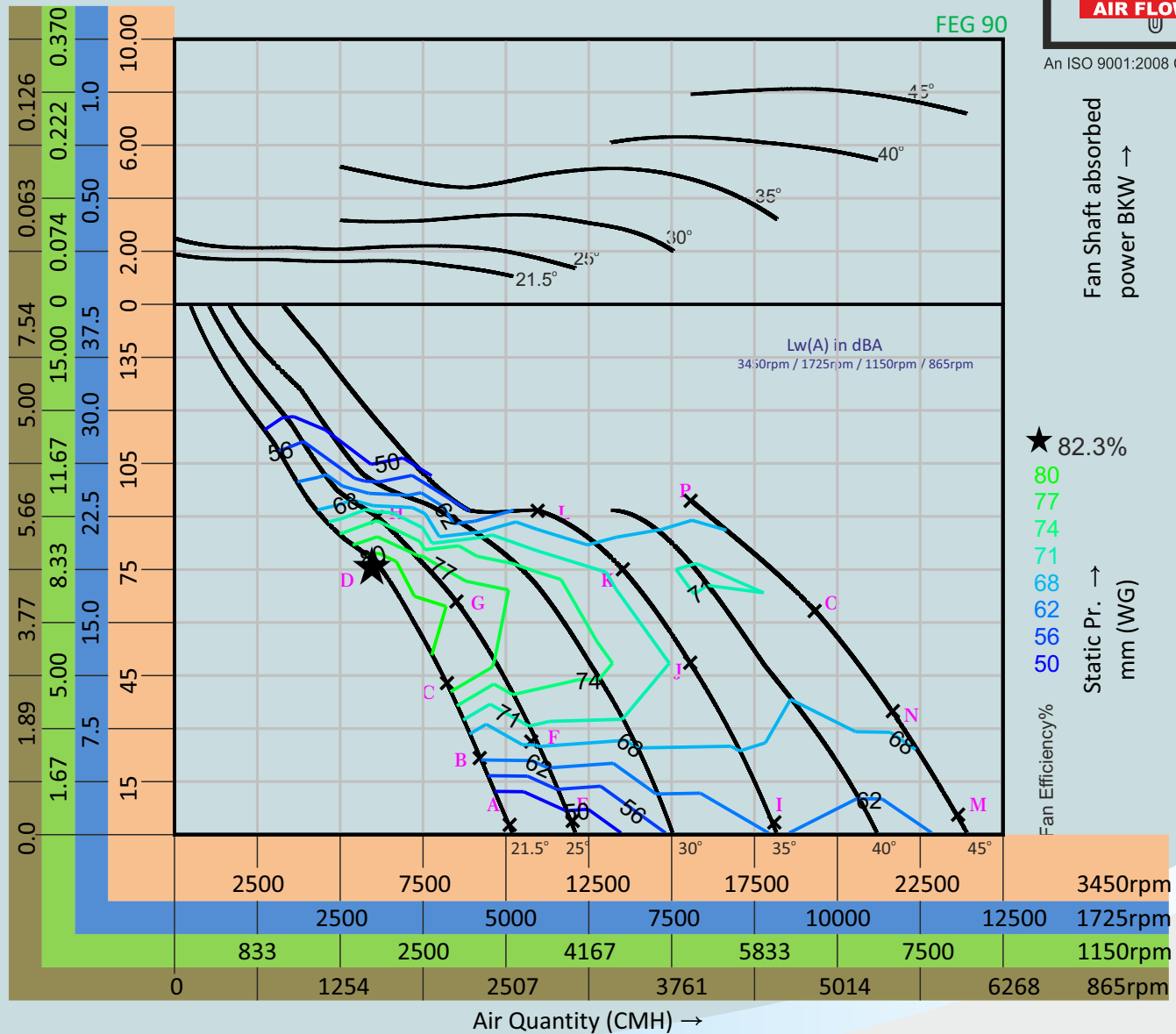
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
8501	2.0	2900	0.64	77	84	80	87	91	93	91	88	98	21.5°	
13081	34.4	2900	2.808	78	85	79	90	86	85	87	86	93	35°	
19874	4.0	2900	4.312	80	86	87	92	92	89	88	87	96	45°	
4251	0.5	1450	0.08	65	69	73	77	78	76	72	63	82	21.5°	
6540	8.6	1450	0.351	66	67	74	71	69	72	71	66	77	35°	
9937	1.0	1450	0.539	67	71	76	76	74	73	72	67	80	45°	

■ FAN MODEL : AFPV-X 500-131-8

Fan outlet and Inlet area: 0.1964 sq. mtr.



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Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 500-131-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 3450/1725/1150/865rpm		LwA in dBA 3450/1725/1150/865rpm		LwA in dBA 3450/1725/1150/865rpm		LwA in dBA 3450/1725/1150/865rpm
A	102 / 86 / 76 / 69	E	100 / 83 / 73 / 67	I	102 / 84 / 74 / 67	M	101 / 84 / 74 / 67
B	104 / 87 / 77 / 71	F	101 / 84 / 74 / 68	J	98 / 81 / 72 / 65	N	101 / 84 / 74 / 67
C	103 / 87 / 77 / 70	G	105 / 88 / 78 / 71	K	101 / 84 / 74 / 67	O	102 / 84 / 74 / 67
D	104 / 86 / 75 / 68	H	105 / 87 / 76 / 68	L	107 / 87 / 75 / 68	P	103 / 86 / 75 / 69

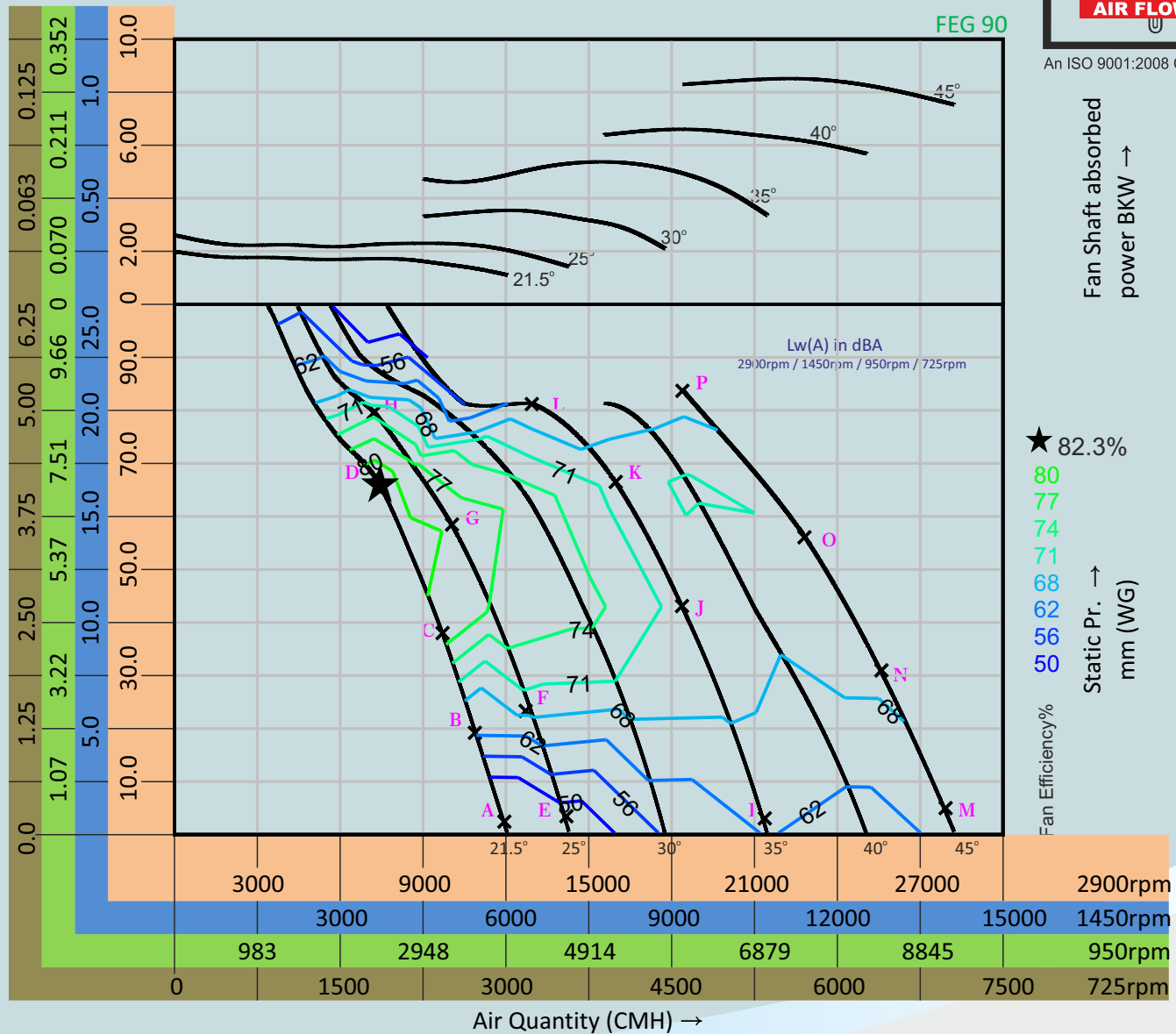
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
3073	19.0	1725	0.205	71	81	84	85	81	78	74	67	87	21.5°	
7781	12.2	1725	0.591	69	72	77	78	74	75	75	71	82	35°	
11822	1.4	1725	0.908	70	75	79	82	78	77	76	72	84	45°	
2049	8.5	1150	0.061	65	74	77	73	70	67	61	53	76	21.5°	
5187	5.4	1150	0.175	60	65	70	65	65	67	64	59	72	35°	
7881	0.6	1150	0.269	63	68	72	70	68	68	66	60	74	45°	

■ FAN MODEL : AFPV-X 560-146-8

Fan outlet and Inlet area: 0.2464 sq. mtr.



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Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 560-146-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 2900/1450/950/725rpm		LwA in dBA 2900/1450/950/725rpm		LwA in dBA 2900/1450/950/725rpm		LwA in dBA 2900/1450/950/725rpm
A	101 / 85 / 75 / 68	E	99 / 83 / 72 / 66	I	100 / 83 / 72 / 66	M	100 / 83 / 73 / 67
B	103 / 87 / 76 / 70	F	100 / 84 / 73 / 67	J	97 / 81 / 71 / 65	N	100 / 83 / 73 / 66
C	103 / 86 / 76 / 69	G	104 / 87 / 76 / 70	K	100 / 83 / 73 / 66	O	101 / 83 / 73 / 66
D	103 / 85 / 74 / 66	H	104 / 85 / 74 / 67	L	106 / 85 / 74 / 66	P	102 / 84 / 74 / 68

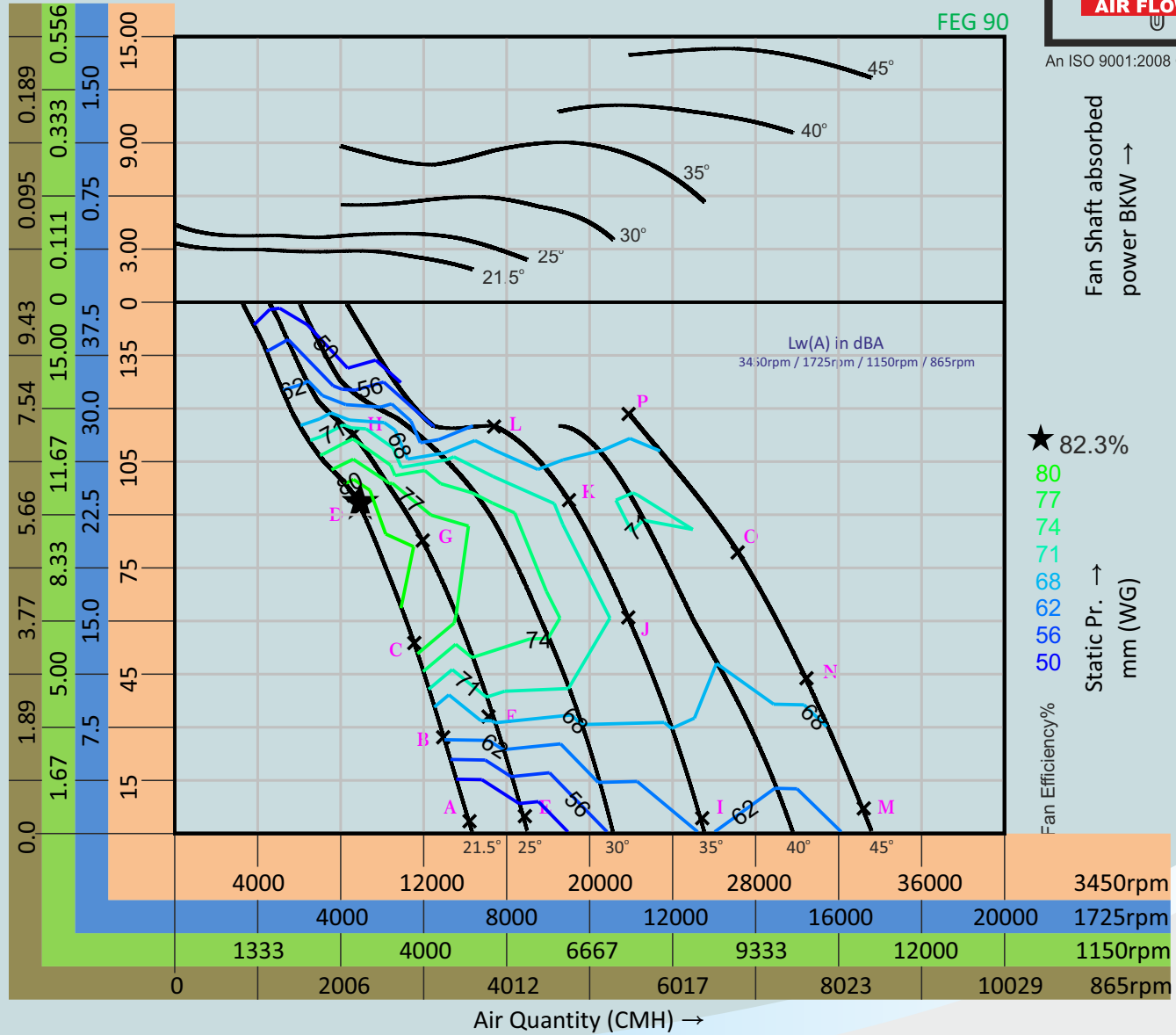
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
11944	2.5	2900	1.128	82	88	88	93	96	97	95	91	101	21.5°	
18378	43.1	2900	4.949	82	89	86	94	90	88	90	90	97	35°	
27922	5.0	2900	7.599	84	90	91	96	95	92	92	91	100	45°	
5972	0.6	1450	0.141	69	73	76	80	82	80	76	67	85	21.5°	
9189	10.8	1450	0.619	70	71	77	74	73	75	75	69	81	35°	
13961	1.3	1450	0.950	72	76	79	80	77	77	76	71	83	45°	

■ FAN MODEL : AFPV-X 560-146-8

Fan outlet and Inlet area: 0.2464 sq. mtr.



An ISO 9001:2008 Company



Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 560-146-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 3450/1725/1150/865rpm		LwA in dBA 3450/1725/1150/865rpm		LwA in dBA 3450/1725/1150/865rpm		LwA in dBA 3450/1725/1150/865rpm
A	106 / 89 / 79 / 73	E	103 / 87 / 77 / 70	I	105 / 88 / 77 / 71	M	105 / 87 / 77 / 71
B	107 / 91 / 81 / 74	F	104 / 88 / 78 / 71	J	101 / 85 / 75 / 69	N	104 / 87 / 77 / 71
C	107 / 90 / 80 / 74	G	108 / 91 / 81 / 74	K	105 / 87 / 77 / 71	O	106 / 88 / 78 / 71
D	108 / 90 / 79 / 71	H	109 / 90 / 79 / 72	L	110 / 90 / 79 / 71	P	106 / 89 / 79 / 72

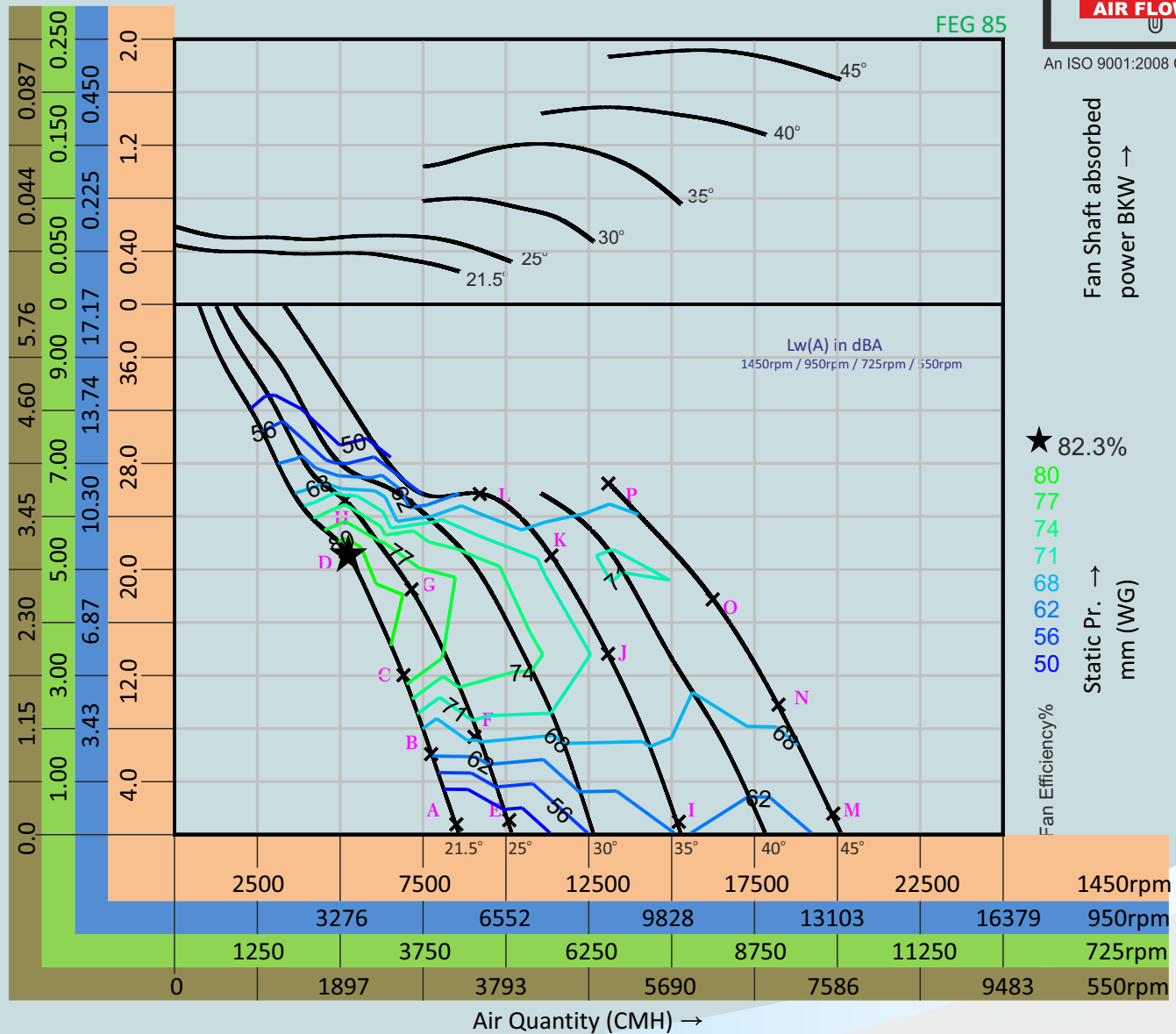
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
4318	23.9	1725	0.362	75	85	88	89	84	82	77	70	90	21.5°	
10932	15.3	1725	1.042	73	76	80	81	77	78	79	74	85	35°	
16609	1.8	1725	1.599	75	79	82	85	82	81	80	76	88	45°	
2879	10.6	1150	0.107	70	79	81	77	74	70	65	57	79	21.5°	
7288	6.8	1150	0.309	65	69	73	69	69	70	68	63	76	35°	
11072	0.8	1150	0.474	67	72	75	74	72	71	69	64	78	45°	

■ FAN MODEL : AFPV-X 630-165-8

Fan outlet and Inlet area: 0.3119 sq. mtr.



An ISO 9001:2008 Company



Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 630-165-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

LwA in dBA 1450/950/725/550rpm	LwA in dBA 1450/950/725/550rpm	LwA in dBA 1450/950/725/550rpm	LwA in dBA 1450/950/725/550rpm
A 89 / 78 / 72 / 64	E 86 / 76 / 70 / 62	I 87 / 76 / 70 / 63	M 87 / 76 / 70 / 63
B 90 / 80 / 73 / 66	F 87 / 77 / 71 / 63	J 84 / 74 / 68 / 61	N 87 / 76 / 70 / 63
C 90 / 79 / 73 / 65	G 91 / 80 / 74 / 66	K 87 / 76 / 70 / 63	O 87 / 77 / 70 / 63
D 88 / 77 / 70 / 63	H 89 / 78 / 71 / 63	L 89 / 78 / 70 / 63	P 88 / 78 / 71 / 64

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle
				63	125	250	500	1000	2000	4000	8000		
5168	21.3	1450	0.387	77	88	89	86	83	81	76	68	88	21.5°
13083	13.6	1450	1.115	75	75	81	78	77	79	78	73	84	35°
19878	1.6	1450	1.712	76	80	83	83	81	80	79	74	87	45°
3386	9.2	950	0.109	72	79	80	75	72	68	62	54	77	21.5°
8572	5.9	950	0.313	64	71	72	68	69	69	66	60	74	35°
13024	0.7	950	0.481	67	73	76	72	71	70	67	62	76	45°

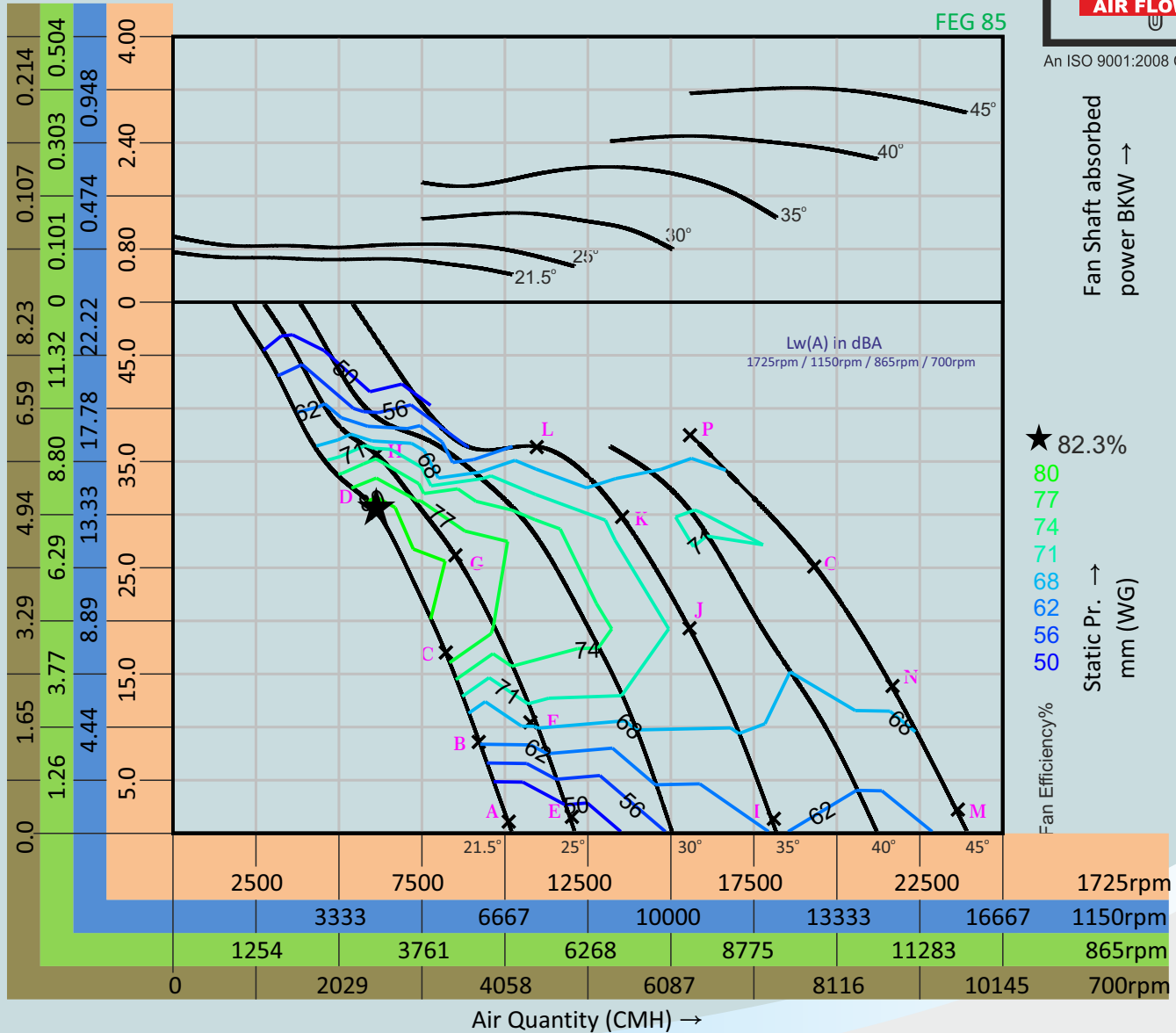


■ FAN MODEL : AFPV-X 630-165-8

Fan outlet and Inlet area: 0.3119 sq. mtr.



An ISO 9001:2008 Company



AMCA WORLDWIDE CERTIFIED RATINGS

Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 630-165-8 shown herein is 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.

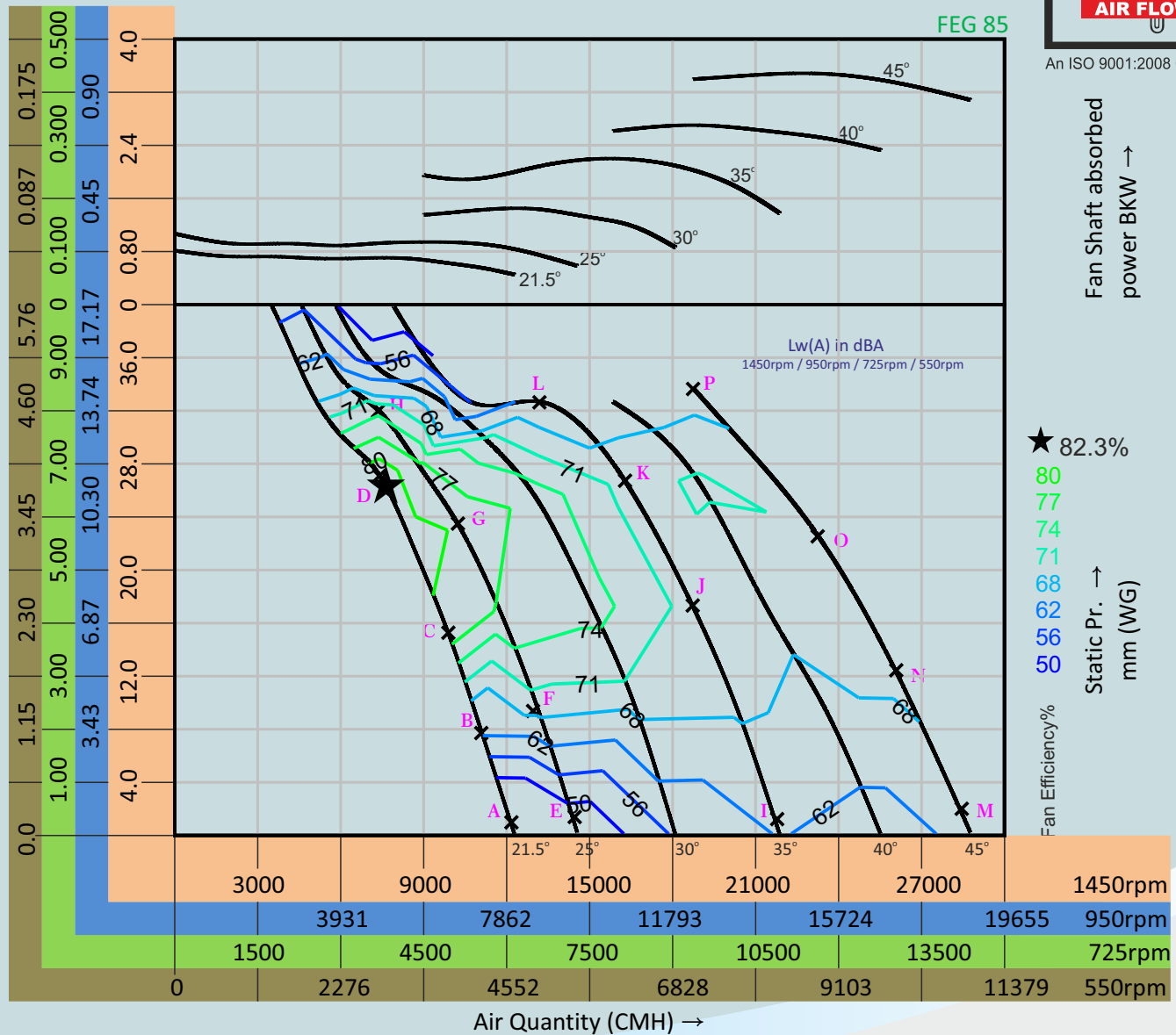
Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm
A	93 / 83 / 76 / 71	E	90 / 81 / 74 / 69	I	91 / 81 / 74 / 69	M	92 / 82 / 75 / 69
B	94 / 84 / 78 / 72	F	91 / 81 / 75 / 70	J	89 / 79 / 72 / 67	N	91 / 81 / 74 / 69
C	94 / 84 / 77 / 72	G	95 / 85 / 78 / 73	K	91 / 81 / 74 / 69	O	92 / 81 / 75 / 69
D	94 / 83 / 75 / 69	H	94 / 83 / 76 / 70	L	94 / 83 / 75 / 69	P	93 / 82 / 76 / 70

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
6148	30.2	1725	0.652	80	89	92	93	88	85	81	74	94	21.5 °	
15565	19.3	1725	1.877	78	80	84	85	81	82	82	78	89	35 °	
23648	2.2	1725	2.882	79	84	86	89	85	84	83	79	92	45 °	
4099	13.4	1150	0.193	74	83	85	80	77	74	68	60	83	21.5 °	
10376	8.6	1150	0.556	69	73	77	72	72	74	71	66	79	35 °	
15765	1.0	1150	0.854	71	76	79	77	75	75	73	67	82	45 °	

■ FAN MODEL : AFPV-X 710-187-8

Fan outlet and Inlet area: 0.3961 sq. mtr.



Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 710-187-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm	
A	93 / 81 / 76 / 68	E	90 / 80 / 73 / 66	I	90 / 80 / 74 / 66	M	90 / 80 / 74 / 67
B	94 / 83 / 77 / 69	F	91 / 80 / 74 / 67	J	88 / 78 / 72 / 65	N	90 / 80 / 74 / 67
C	94 / 83 / 77 / 69	G	95 / 84 / 77 / 69	K	90 / 80 / 74 / 67	O	91 / 80 / 74 / 67
D	92 / 81 / 74 / 66	H	93 / 82 / 74 / 67	L	93 / 81 / 74 / 66	P	92 / 81 / 75 / 68

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
7397	27.1	1450	0.704	81	92	93	90	87	84	79	72	92	21.5°	
18727	17.3	1450	2.027	79	80	84	81	80	82	82	77	88	35°	
28453	2.0	1450	3.112	81	84	86	86	84	83	82	77	90	45°	
4846	11.6	950	0.198	77	83	81	79	76	72	65	58	81	21.5°	
12269	7.4	950	0.570	69	76	73	71	72	73	69	64	78	35°	
18642	0.9	950	0.875	72	78	77	76	75	74	71	65	80	45°	

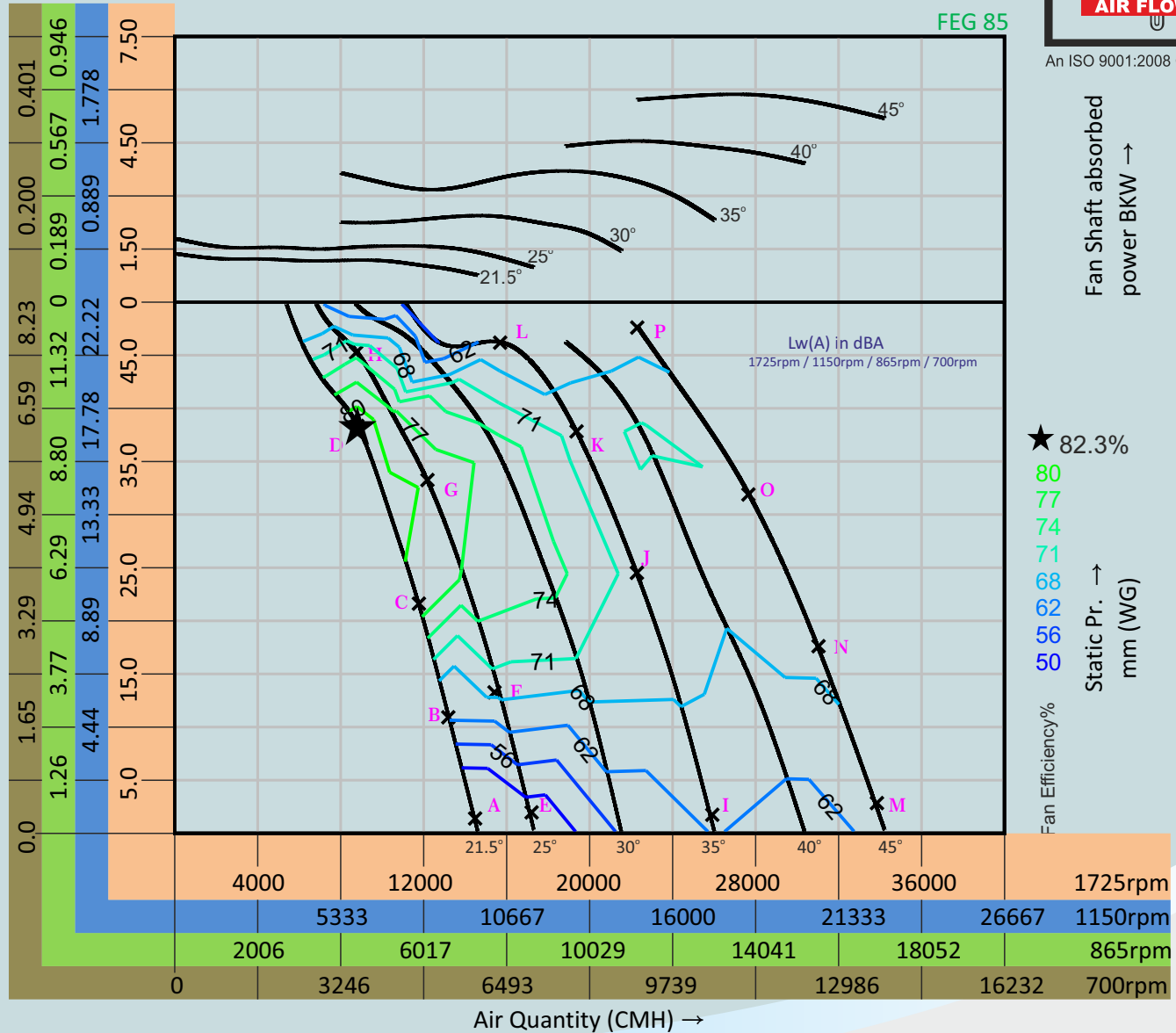


■ FAN MODEL : AFPV-X 710-187-8

Fan outlet and Inlet area: 0.3961 sq. mtr.



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Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 710-187-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm
A	97 / 87 / 80 / 75	E	95 / 85 / 78 / 72	I	95 / 85 / 78 / 73	M	95 / 85 / 78 / 73
B	98 / 88 / 81 / 76	F	96 / 86 / 79 / 73	J	93 / 83 / 76 / 71	N	95 / 85 / 78 / 73
C	98 / 88 / 81 / 76	G	99 / 89 / 82 / 76	K	95 / 85 / 78 / 73	O	96 / 85 / 78 / 73
D	97 / 87 / 79 / 73	H	98 / 87 / 79 / 73	L	98 / 87 / 79 / 73	P	97 / 87 / 79 / 74

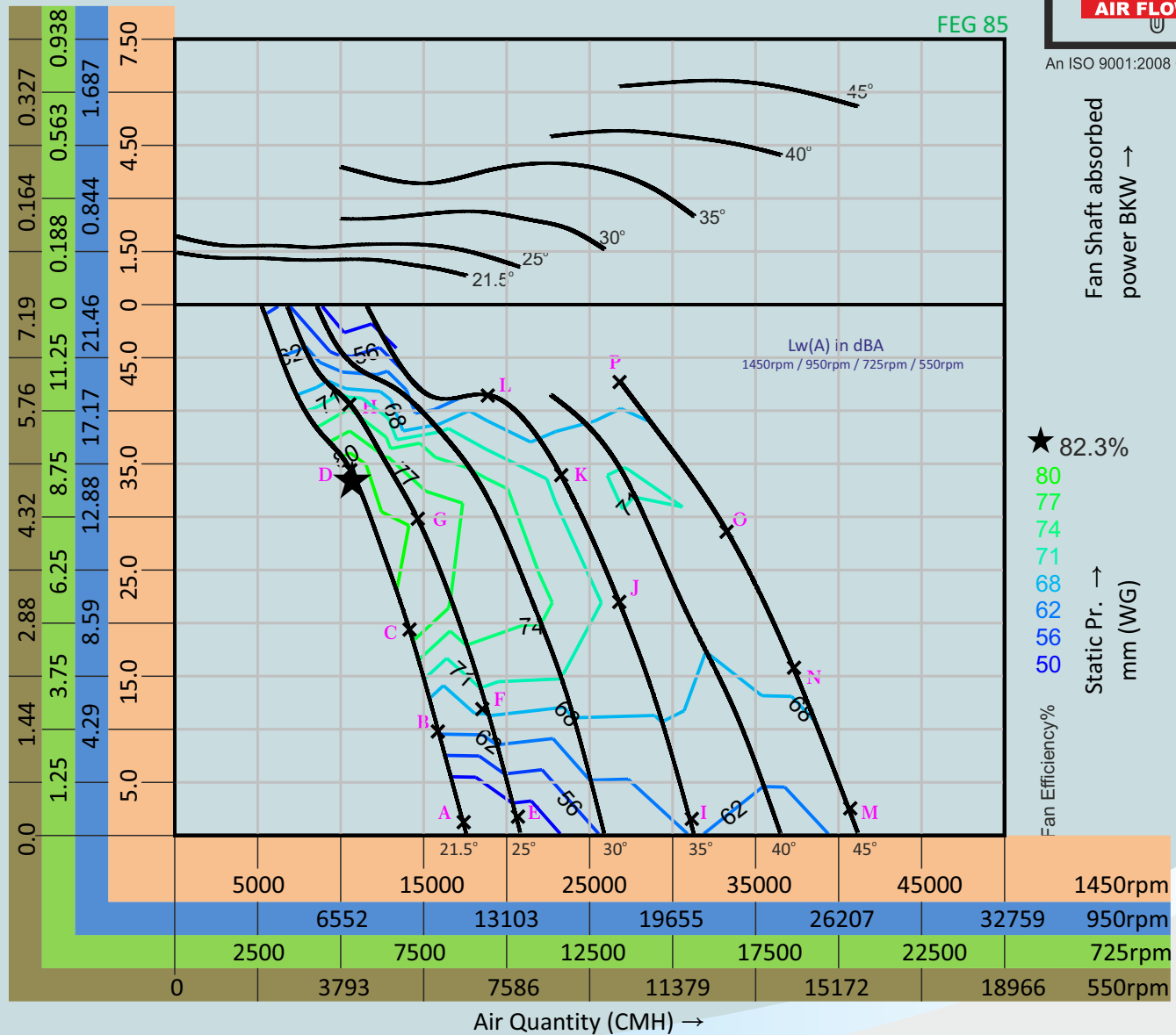
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
8800	38.4	1725	1.186	84	94	96	96	92	89	84	77	97	21.5°	
22279	24.5	1725	3.412	82	84	88	89	84	86	86	82	93	35°	
33849	2.8	1725	5.240	84	88	90	93	89	88	87	83	95	45°	
5867	17.0	1150	0.351	79	87	89	84	81	78	72	64	87	21.5°	
14853	10.9	1150	1.011	74	78	81	76	76	77	75	70	83	35°	
22566	1.3	1150	1.552	76	80	83	81	79	79	76	71	85	45°	

■ FAN MODEL : AFPV-X 800-209-8

Fan outlet and Inlet area: 0.5029 sq. mtr.



An ISO 9001:2008 Company



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Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

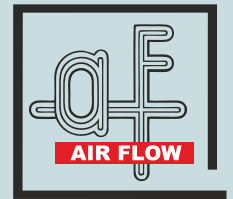
Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm	
A	96 / 86 / 79 / 72	E	94 / 83 / 77 / 70	I	94 / 84 / 77 / 70	M	94 / 84 / 78 / 71
B	98 / 87 / 81 / 73	F	95 / 84 / 78 / 71	J	91 / 82 / 76 / 69	N	94 / 84 / 77 / 70
C	97 / 87 / 81 / 73	G	98 / 87 / 81 / 73	K	94 / 84 / 77 / 70	O	94 / 84 / 77 / 71
D	96 / 85 / 78 / 70	H	96 / 85 / 78 / 71	L	97 / 85 / 78 / 70	P	96 / 85 / 79 / 72

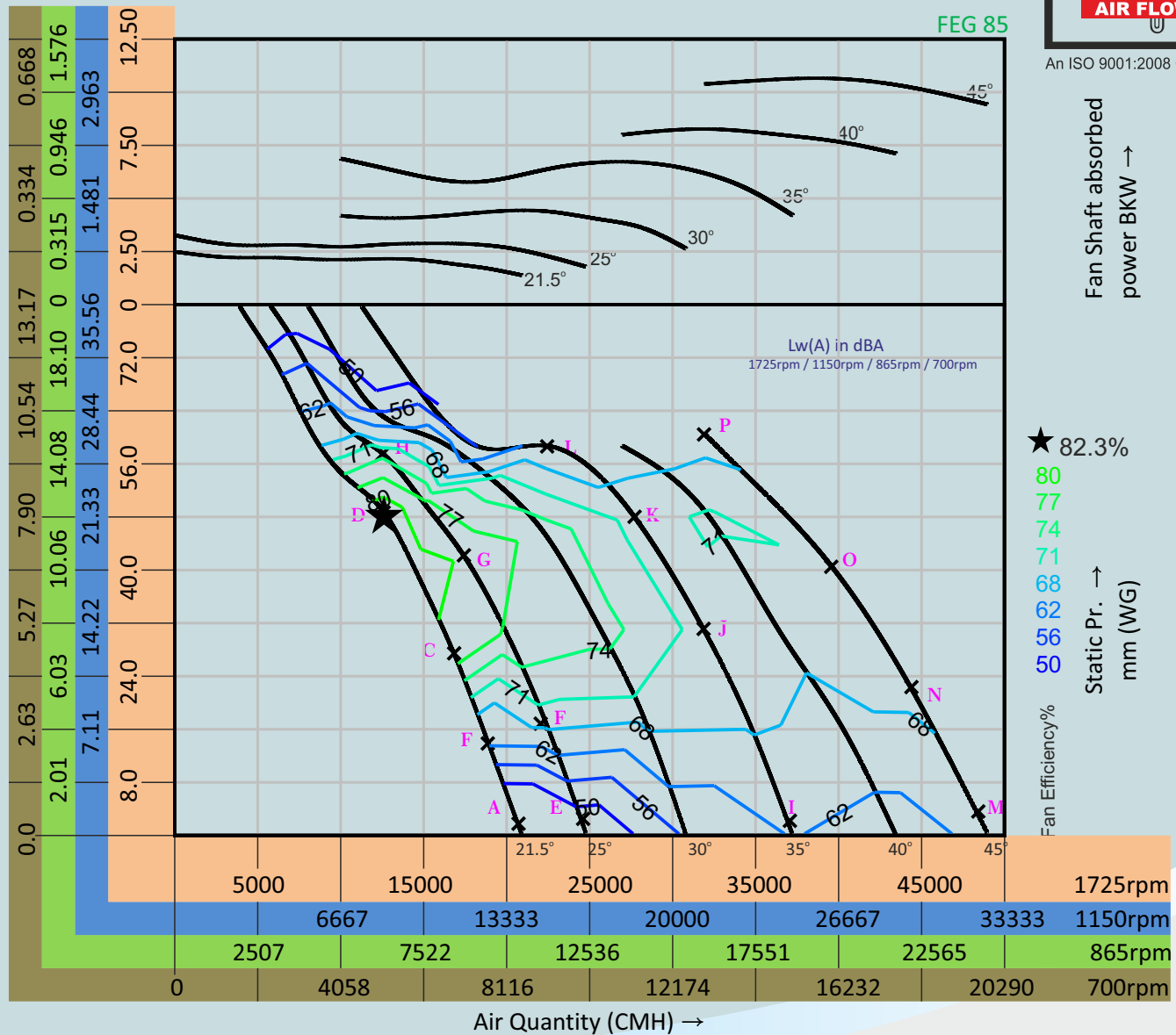
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
10582	34.4	1450	1.279	86	96	95	94	91	88	83	75	96	21.5°	
26790	22.0	1450	3.681	83	84	89	85	84	86	86	80	91	35°	
40703	2.6	1450	5.652	85	88	90	90	88	88	87	82	94	45°	
6933	14.8	950	0.360	81	87	85	83	80	76	69	61	85	21.5°	
17552	9.4	950	1.035	73	80	80	75	76	77	73	68	82	35°	
26667	1.1	950	1.589	76	82	83	80	78	78	74	69	84	45°	

■ FAN MODEL : AFPV-X 800-209-8

Fan outlet and Inlet area: 0.5029 sq. mtr.



An ISO 9001:2008 Company



Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 800-209-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lw<sub>i</sub> and inlet Lw<sub>iA</sub> sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

	LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm
A	100 / 90 / 84 / 78	E	98 / 88 / 81 / 76	I	99 / 88 / 82 / 76	M	98 / 88 / 82 / 77
B	102 / 92 / 85 / 80	F	99 / 89 / 82 / 77	J	96 / 86 / 80 / 75	N	98 / 88 / 82 / 76
C	101 / 91 / 85 / 80	G	102 / 92 / 85 / 80	K	98 / 88 / 82 / 76	O	99 / 89 / 82 / 77
D	101 / 90 / 83 / 77	H	101 / 91 / 83 / 77	L	102 / 90 / 83 / 77	P	100 / 90 / 83 / 78

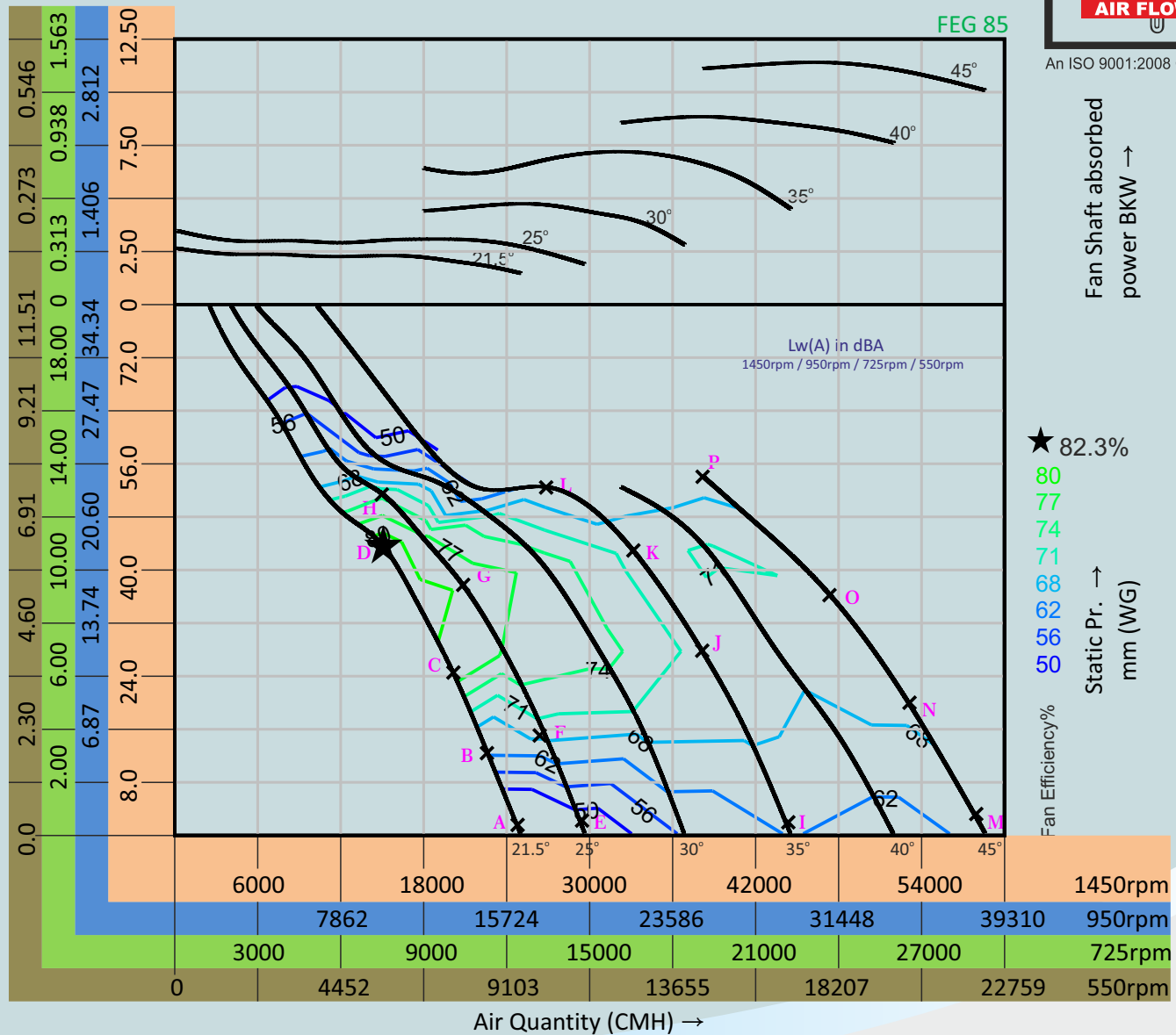
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lw <sub>i</sub> (dB)								Overall Lw <sub>iA</sub> (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
8392	21.6	1150	0.638	83	91	93	88	85	81	75	68	90	21.5°	
21247	13.8	1150	1.836	78	82	85	80	79	81	79	73	86	35°	
32281	1.6	1150	2.820	80	85	87	85	83	82	80	75	88	45°	
6313	12.2	865	0.272	80	86	84	80	77	73	66	58	83	21.5°	
15981	7.8	865	0.781	71	78	77	73	74	74	70	65	80	35°	
24281	0.9	865	1.200	74	80	80	77	76	76	72	66	82	45°	

■ FAN MODEL : AFPV-X 900-235-8

Fan outlet and Inlet area: 0.6364 sq. mtr.



An ISO 9001:2008 Company



Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 900-235-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm
A	100 / 89 / 83 / 76	E	97 / 87 / 81 / 73	I	98 / 87 / 81 / 74	M	98 / 87 / 81 / 74
B	101 / 90 / 84 / 77	F	98 / 88 / 82 / 74	J	95 / 85 / 79 / 72	N	97 / 87 / 81 / 74
C	101 / 90 / 84 / 76	G	102 / 91 / 85 / 77	K	98 / 87 / 81 / 74	O	98 / 88 / 81 / 74
D	99 / 88 / 81 / 74	H	100 / 89 / 82 / 74	L	100 / 89 / 81 / 74	P	99 / 89 / 82 / 75

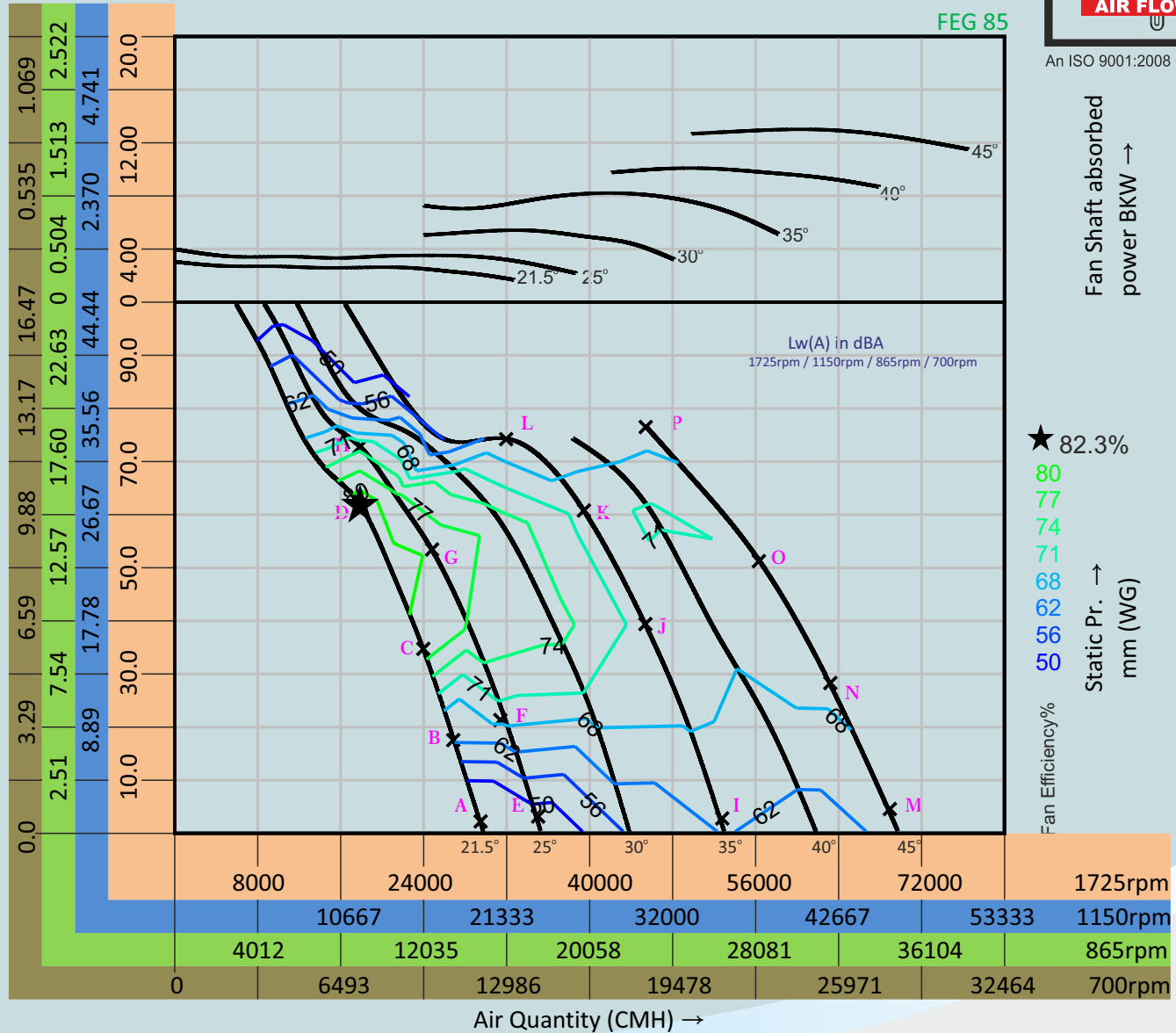
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
15067	43.6	1450	2.305	90	100	99	98	94	91	87	79	99	21.5°	
38144	27.9	1450	6.632	88	88	93	89	87	90	89	84	95	35°	
57953	3.2	1450	10.185	89	92	93	93	92	91	90	85	98	45°	
9871	18.7	950	0.648	85	91	88	86	83	79	73	65	88	21.5°	
24991	12.0	950	1.865	78	84	84	79	79	80	77	71	85	35°	
37969	1.4	950	2.864	81	86	87	84	82	81	78	73	87	45°	

■ FAN MODEL : AFPV-X 900-235-8

Fan outlet and Inlet area: 0.6364 sq. mtr.



An ISO 9001:2008 Company



Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 900-235-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm
A	104 / 94 / 87 / 82	E	101 / 91 / 85 / 80	I	102 / 92 / 85 / 80	M	102 / 92 / 86 / 80
B	105 / 95 / 89 / 83	F	102 / 92 / 86 / 81	J	99 / 90 / 83 / 78	N	102 / 92 / 85 / 80
C	105 / 95 / 88 / 83	G	106 / 96 / 89 / 84	K	102 / 92 / 85 / 80	O	103 / 92 / 86 / 80
D	104 / 94 / 86 / 80	H	105 / 94 / 87 / 81	L	105 / 94 / 86 / 80	P	104 / 93 / 87 / 81

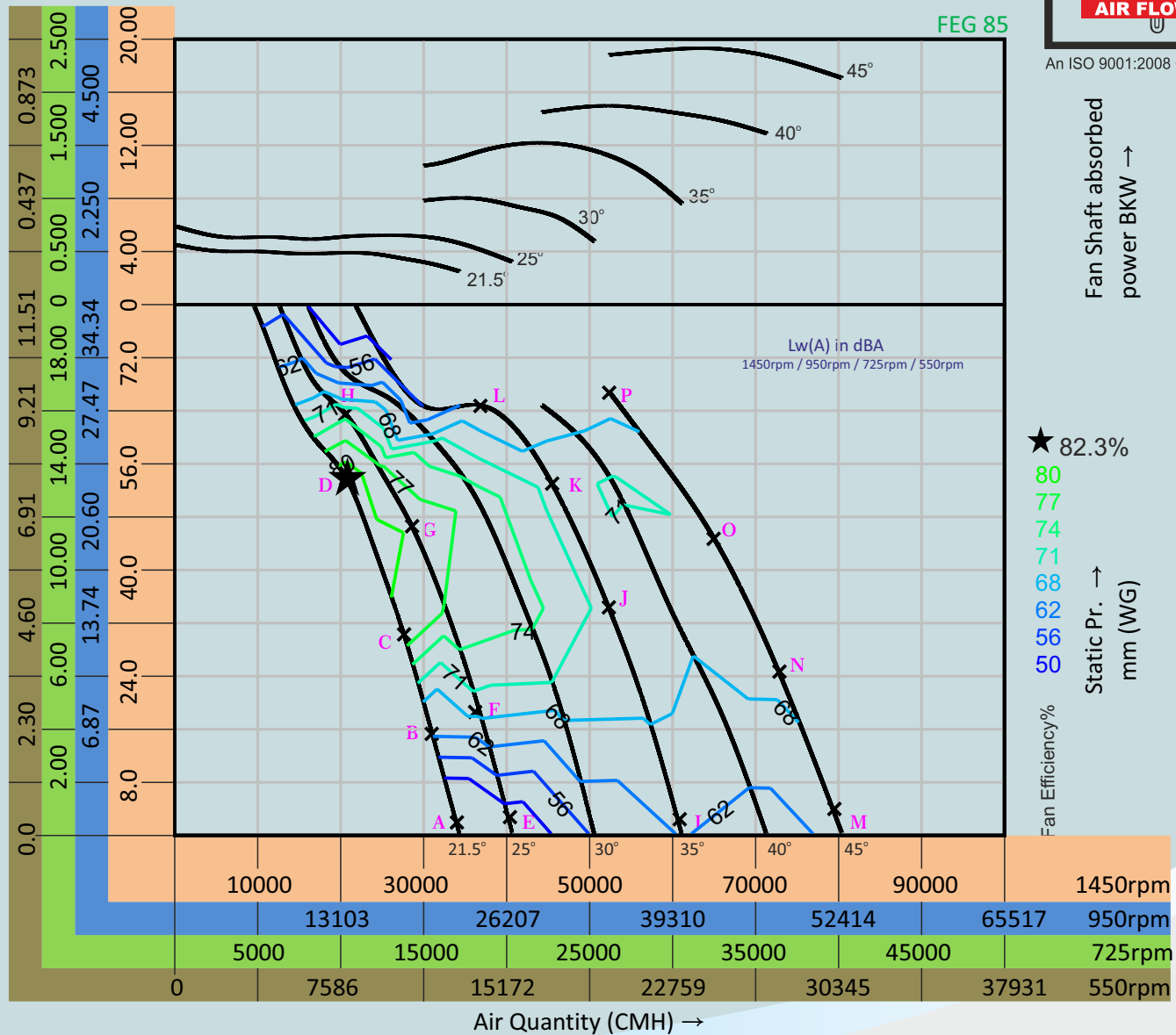
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
11949	27.4	1150	1.150	84	95	97	91	88	85	79	71	94	21.5 °	
30252	17.5	1150	3.309	82	86	89	83	83	84	82	77	90	35 °	
45963	2.0	1150	5.081	85	89	91	88	86	86	84	78	92	45 °	
8988	15.5	865	0.489	84	90	88	84	81	77	70	62	86	21.5 °	
22755	9.9	865	1.408	75	82	80	77	78	78	74	69	83	35 °	
34572	1.2	865	2.162	79	84	84	81	80	79	75	70	86	45 °	

■ FAN MODEL : AFPV-X 1000-262-8

Fan outlet and Inlet area: 0.7857 sq. mtr.



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SOUND AND AIR PERFORMANCE  
FEG  
AIR MOVEMENT AND CONTROL ASSOCIATION INTERNATIONAL INC.

Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 1000-262-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

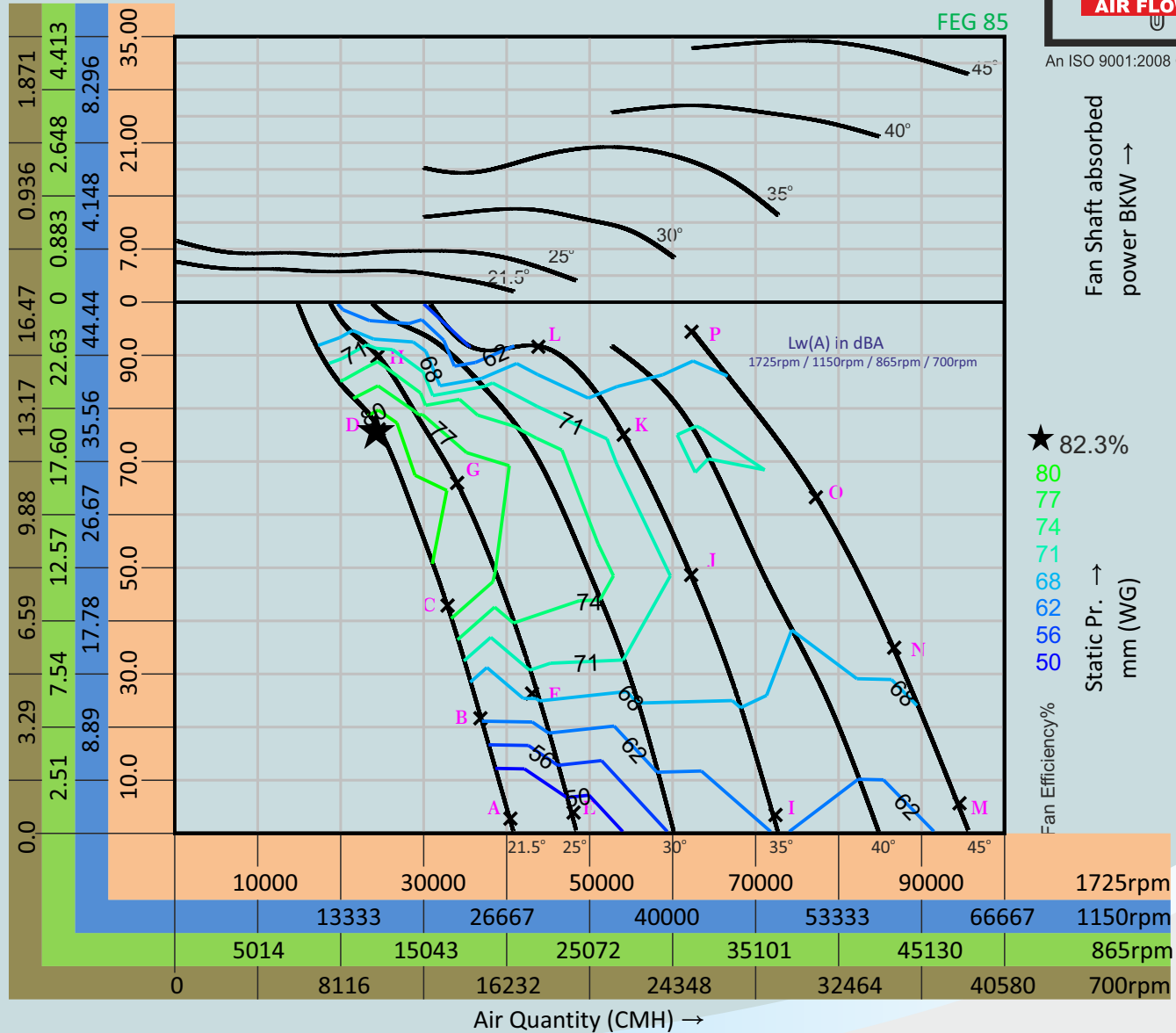
	LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm
A	103 / 92 / 86 / 79	E	100 / 90 / 84 / 77	I	101 / 90 / 84 / 77	M	101 / 91 / 84 / 77
B	104 / 94 / 88 / 80	F	101 / 91 / 85 / 78	J	98 / 88 / 82 / 76	N	101 / 90 / 84 / 77
C	104 / 93 / 87 / 80	G	105 / 94 / 88 / 80	K	101 / 90 / 84 / 77	O	101 / 91 / 84 / 77
D	103 / 92 / 85 / 77	H	103 / 92 / 85 / 78	L	104 / 92 / 85 / 77	P	102 / 92 / 86 / 79

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
20667	53.8	1450	3.904	94	104	104	101	98	95	90	82	103	21.5 °	
52323	34.4	1450	11.232	92	92	96	92	91	93	92	87	98	35 °	
79497	4.0	1450	17.248	93	96	98	98	95	94	93	88	101	45 °	
13541	23.1	950	1.098	89	95	95	90	87	82	76	68	92	21.5 °	
34281	14.8	950	3.159	81	87	87	82	83	83	80	75	88	35 °	
52084	1.7	950	4.851	85	89	90	87	85	85	81	76	91	45 °	



■ FAN MODEL : AFPV-X 1000-262-8

Fan outlet and Inlet area: 0.7857 sq. mtr.



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Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm
A	107 / 97 / 91 / 85	E	105 / 95 / 88 / 83	I	105 / 95 / 89 / 83	M	105 / 95 / 89 / 84
B	108 / 98 / 92 / 87	F	106 / 96 / 89 / 84	J	103 / 93 / 87 / 82	N	105 / 95 / 89 / 83
C	108 / 98 / 92 / 86	G	109 / 99 / 92 / 87	K	105 / 95 / 89 / 83	O	106 / 95 / 89 / 83
D	108 / 97 / 90 / 84	H	108 / 98 / 90 / 84	L	109 / 97 / 90 / 84	P	107 / 97 / 90 / 85

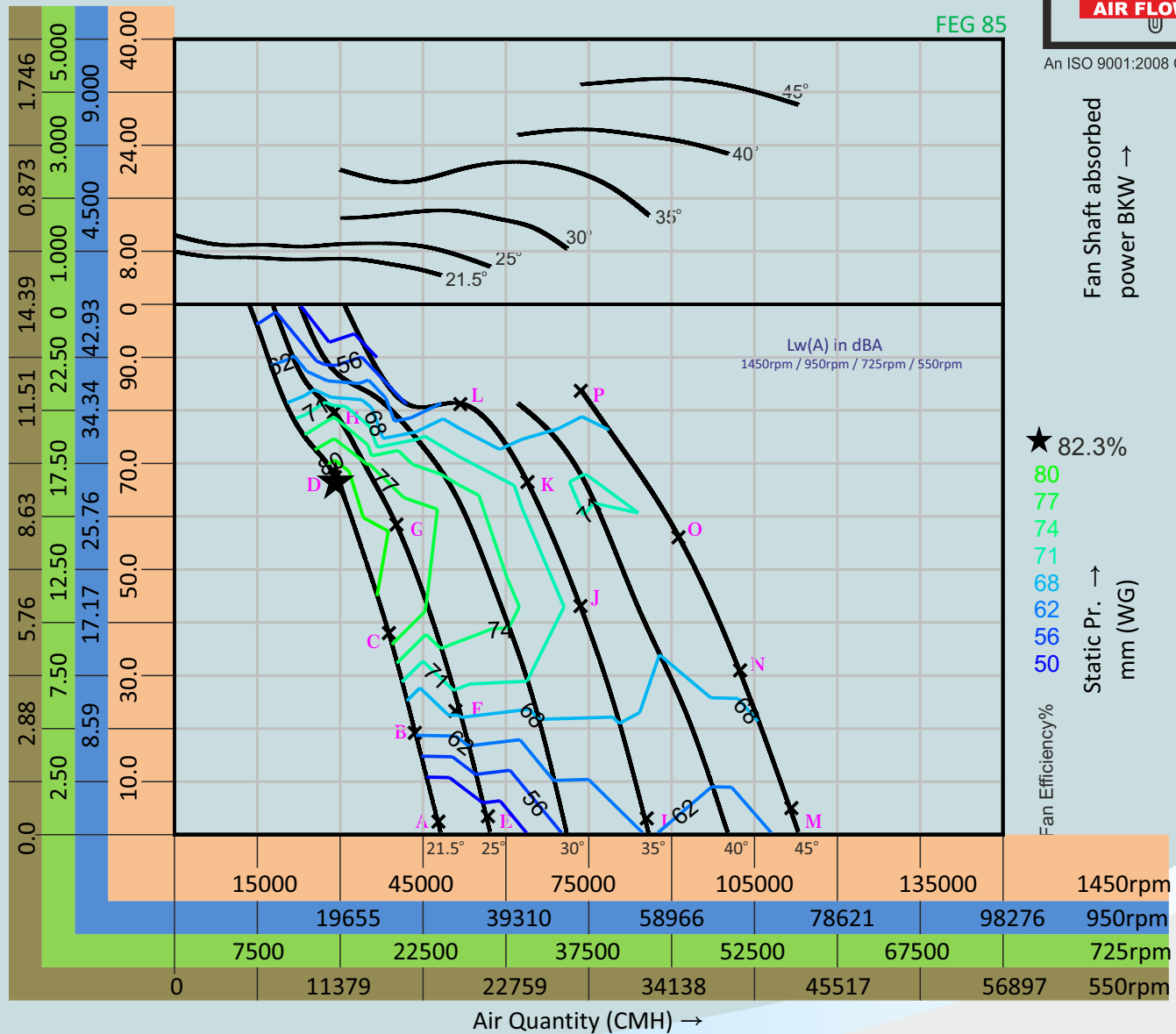
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
16391	33.8	1150	1.948	91	99	100	95	92	88	82	74	97	21.5 °	
41498	21.6	1150	5.603	86	89	92	87	86	88	86	80	93	35 °	
63049	2.5	1150	8.605	89	92	94	92	90	89	87	81	95	45 °	
12329	19.1	865	0.829	88	93	91	87	84	80	73	65	90	21.5 °	
31214	12.2	865	2.385	79	86	84	80	81	81	77	72	87	35 °	
47424	1.4	865	3.662	82	88	88	84	83	82	78	73	89	45 °	

■ FAN MODEL : AFPV-X 1120-293-8

Fan outlet and Inlet area: 0.9856 sq. mtr.



An ISO 9001:2008 Company



**AMCA** WORLDWIDE CERTIFIED RATINGS  
SOUND AND AIR PERFORMANCE  
FEG  
AIR MOVEMENT AND CONTROL ASSOCIATION INTERNATIONAL INC.

Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 1120-293-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm
A	107 / 96 / 90 / 82	E	104 / 94 / 87 / 80	I	104 / 94 / 88 / 81	M	104 / 94 / 88 / 81
B	108 / 97 / 91 / 84	F	105 / 94 / 88 / 81	J	102 / 92 / 86 / 79	N	104 / 94 / 88 / 81
C	108 / 97 / 91 / 83	G	109 / 98 / 91 / 84	K	104 / 94 / 88 / 81	O	105 / 94 / 88 / 81
D	106 / 95 / 88 / 81	H	107 / 96 / 89 / 81	L	107 / 96 / 88 / 81	P	106 / 95 / 89 / 82

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
29036	67.4	1450	6.880	98	108	108	104	101	98	93	85	106	21.5 °	
73511	43.1	1450	19.795	96	95	100	96	94	96	96	90	102	35 °	
111688	5.0	1450	30.397	97	100	102	101	98	98	97	92	104	45 °	
19024	29.0	950	1.935	93	99	99	93	90	86	79	72	95	21.5 °	
48162	18.5	950	5.567	85	91	91	86	86	87	83	78	92	35 °	
73175	2.1	950	8.549	89	93	94	90	89	88	85	79	94	45 °	

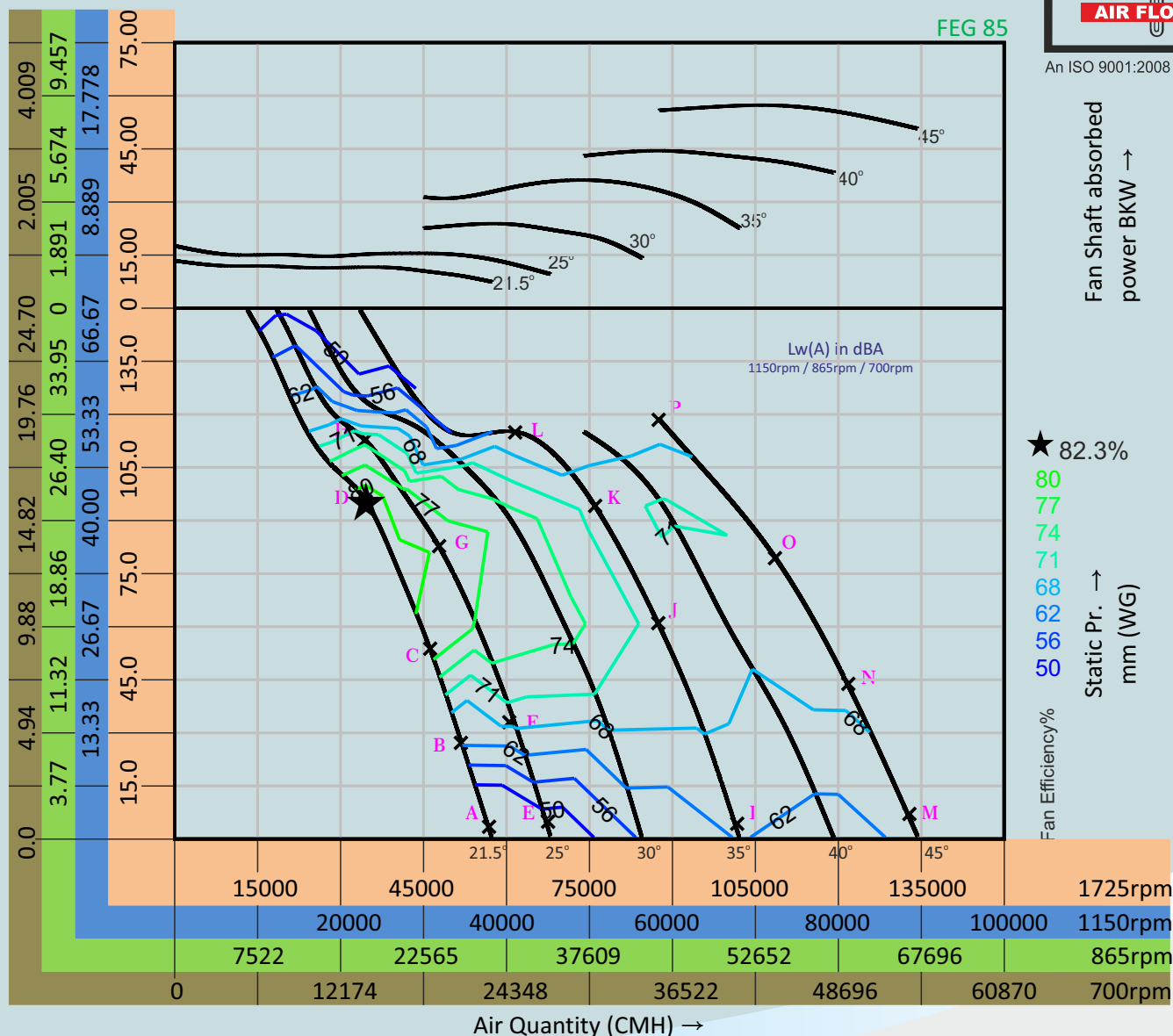


■ FAN MODEL : AFPV-X 1120-293-8

Fan outlet and Inlet area: 0.9856 sq. mtr.



An ISO 9001:2008 Company



Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 1120-293-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm
A	110 / 101 / 94 / 89	E	108 / 98 / 92 / 86	I	109 / 99 / 92 / 87	N	109 / 99 / 92 / 87
B	112 / 102 / 95 / 90	F	109 / 99 / 93 / 87	J	106 / 96 / 90 / 85	N	109 / 99 / 92 / 87
C	112 / 102 / 95 / 90	G	112 / 102 / 96 / 90	K	109 / 99 / 92 / 87	O	109 / 99 / 92 / 87
D	111 / 100 / 93 / 87	H	112 / 101 / 94 / 88	L	112 / 101 / 93 / 87	P	110 / 100 / 94 / 88

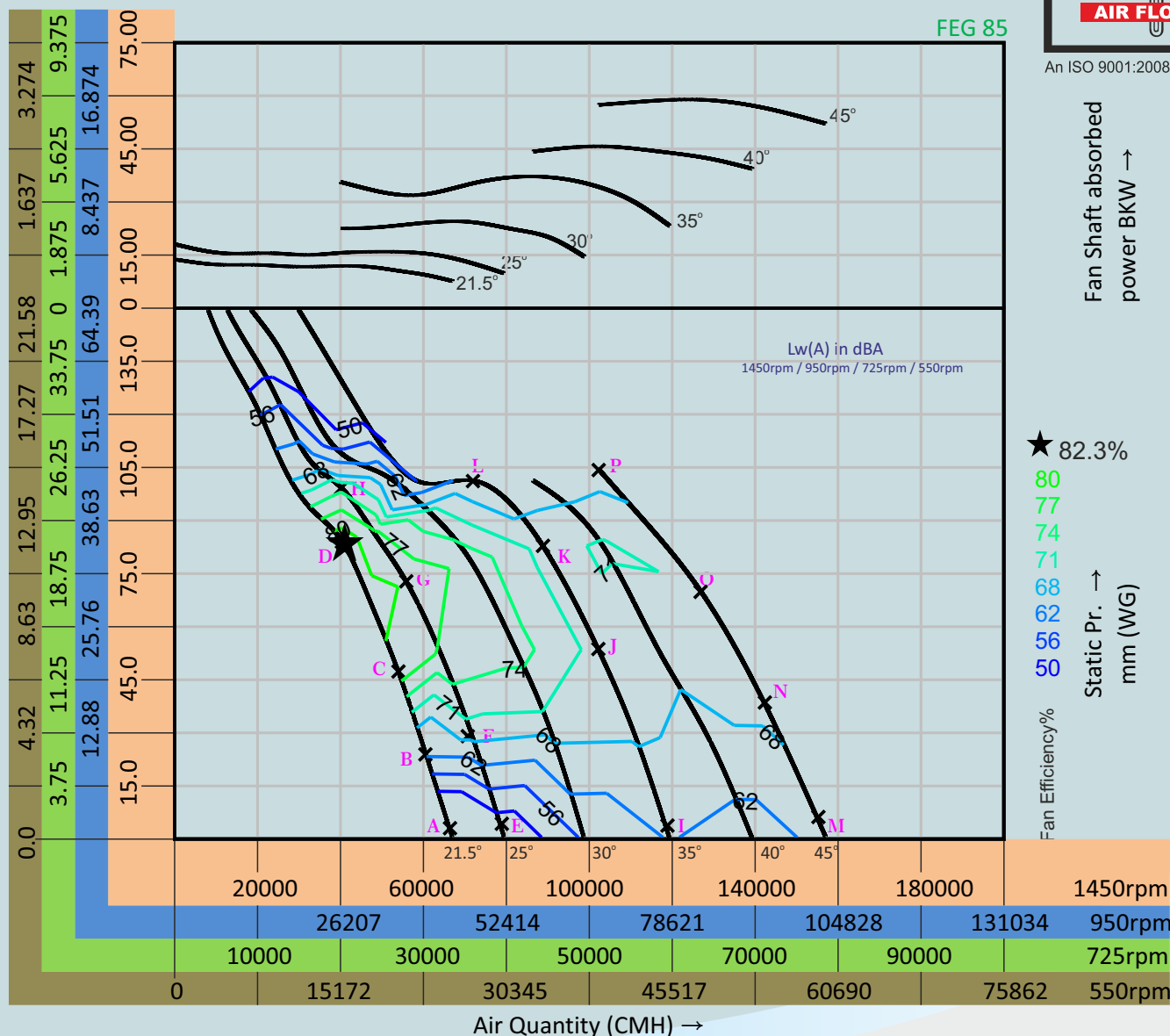
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle
				63	125	250	500	1000	2000	4000	8000		
23029	42.4	1150	3.432	95	103	104	98	95	91	86	78	100	21.5°
58301	27.1	1150	9.875	90	93	96	90	90	91	89	84	96	35°
88580	3.1	1150	15.164	93	96	98	95	93	92	90	85	99	45°
17322	24.0	865	1.461	92	97	95	91	88	83	76	69	93	21.5°
43853	15.3	865	4.202	83	90	87	83	84	85	81	75	90	35°
66627	1.8	865	6.453	87	93	91	88	87	86	82	77	92	45°

■ FAN MODEL : AFPV-X 1250-327-8

Fan outlet and Inlet area: 1.2277 sq. mtr.



An ISO 9001:2008 Company



Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 1250-327-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lw<sub>i</sub> and inlet Lw<sub>iA</sub> sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

	LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm
A	110 / 99 / 93 / 86	E	107 / 97 / 91 / 84	I	108 / 97 / 91 / 84	M	108 / 98 / 91 / 84
B	111 / 101 / 95 / 87	F	108 / 98 / 92 / 84	J	105 / 95 / 89 / 82	N	108 / 97 / 91 / 84
C	111 / 100 / 94 / 87	G	112 / 101 / 95 / 87	K	108 / 97 / 91 / 84	O	108 / 98 / 91 / 84
D	110 / 99 / 91 / 84	H	110 / 99 / 92 / 85	L	111 / 99 / 91 / 84	P	109 / 99 / 92 / 85

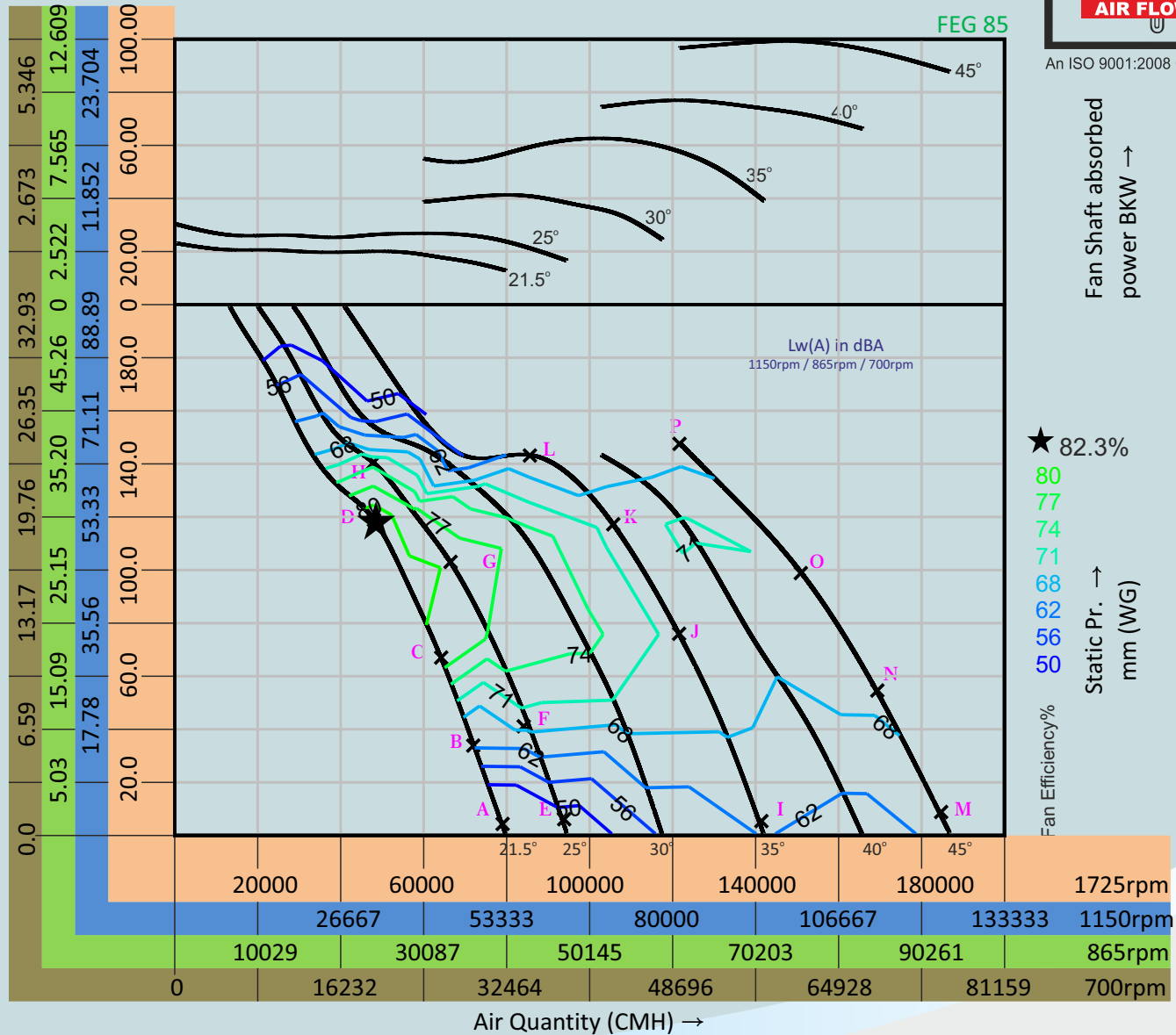
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lw <sub>i</sub> (dB)								Overall Lw <sub>iA</sub> (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
40366	84.0	1450	11.914	102	111	111	108	104	101	97	89	110	21.5 °	
102194	53.7	1450	34.277	100	99	103	99	97	100	99	94	105	35 °	
155268	6.2	1450	52.637	101	103	105	105	102	101	100	95	108	45 °	
26447	36.1	950	3.351	97	103	102	96	93	89	83	75	99	21.5 °	
66955	23.1	950	9.640	89	95	95	95	89	90	87	81	95	35 °	
101727	2.7	950	14.803	93	97	98	94	92	91	88	83	98	45 °	

■ FAN MODEL : AFPV-X 1250-327-8

Fan outlet and Inlet area: 1.2277 sq. mtr.



An ISO 9001:2008 Company



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Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm		LwA in dBA 1725/1150/865/700rpm
A	114 / 104 / 97 / 92	E	111 / 102 / 95 / 90	I	112 / 102 / 95 / 90	M	112 / 102 / 96 / 90
B	115 / 105 / 99 / 94	F	112 / 102 / 96 / 91	J	109 / 100 / 93 / 88	N	112 / 102 / 95 / 90
C	115 / 105 / 98 / 93	G	116 / 106 / 99 / 94	K	112 / 102 / 95 / 90	O	113 / 102 / 96 / 90
D	114 / 104 / 96 / 90	H	115 / 104 / 97 / 91	L	116 / 104 / 97 / 91	P	114 / 103 / 97 / 91

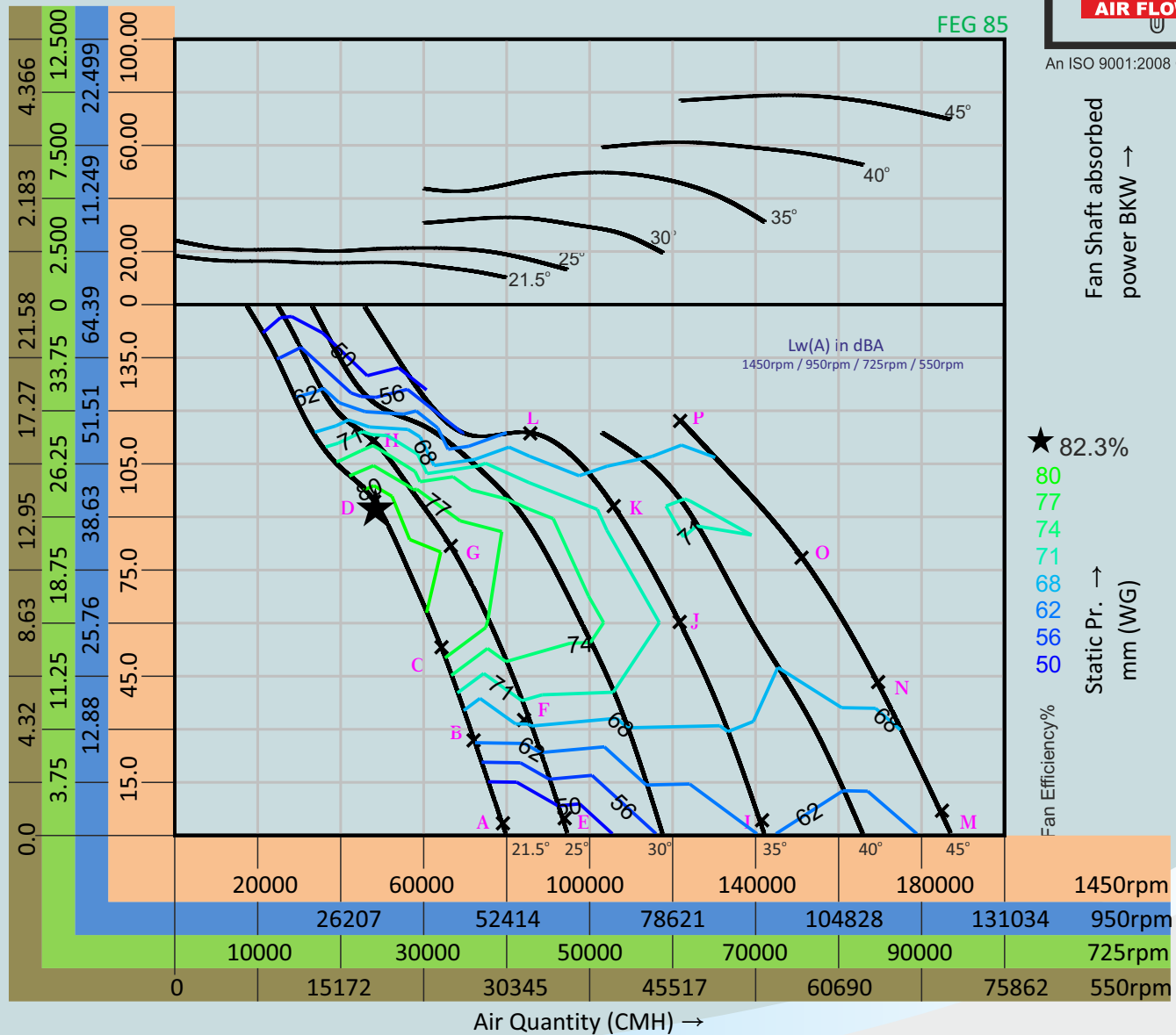
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
32014	52.8	1150	5.944	99	106	107	102	98	95	89	81	104	21.5 °	
81050	33.8	1150	17.1	94	97	99	94	93	94	92	87	100	35 °	
123143	3.9	1150	26.259	97	100	101	99	96	96	94	88	102	45 °	
24080	29.9	865	2.529	96	101	99	94	91	87	80	72	96	21.5 °	
60964	19.1	865	7.277	87	93	91	87	88	88	84	79	93	35 °	
92625	2.2	865	11.175	90	95	95	91	90	89	85	80	96	45 °	

■ FAN MODEL : AFPV-X 1325-347-8

Fan outlet and Inlet area: 1.3794 sq. mtr.



An ISO 9001:2008 Company



Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 1325-347-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

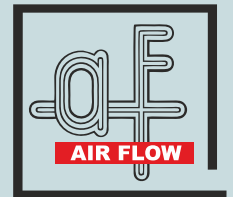
Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm
A	112 / 101 / 95 / 87	E	109 / 99 / 93 / 85	I	109 / 99 / 93 / 86	M	110 / 99 / 93 / 86
B	113 / 102 / 96 / 89	F	110 / 100 / 93 / 86	J	107 / 97 / 91 / 84	N	109 / 99 / 93 / 86
C	113 / 102 / 96 / 88	G	114 / 103 / 97 / 89	K	109 / 99 / 93 / 86	O	110 / 100 / 93 / 86
D	111 / 100 / 93 / 86	H	112 / 101 / 94 / 86	L	113 / 101 / 93 / 86	P	111 / 101 / 94 / 87

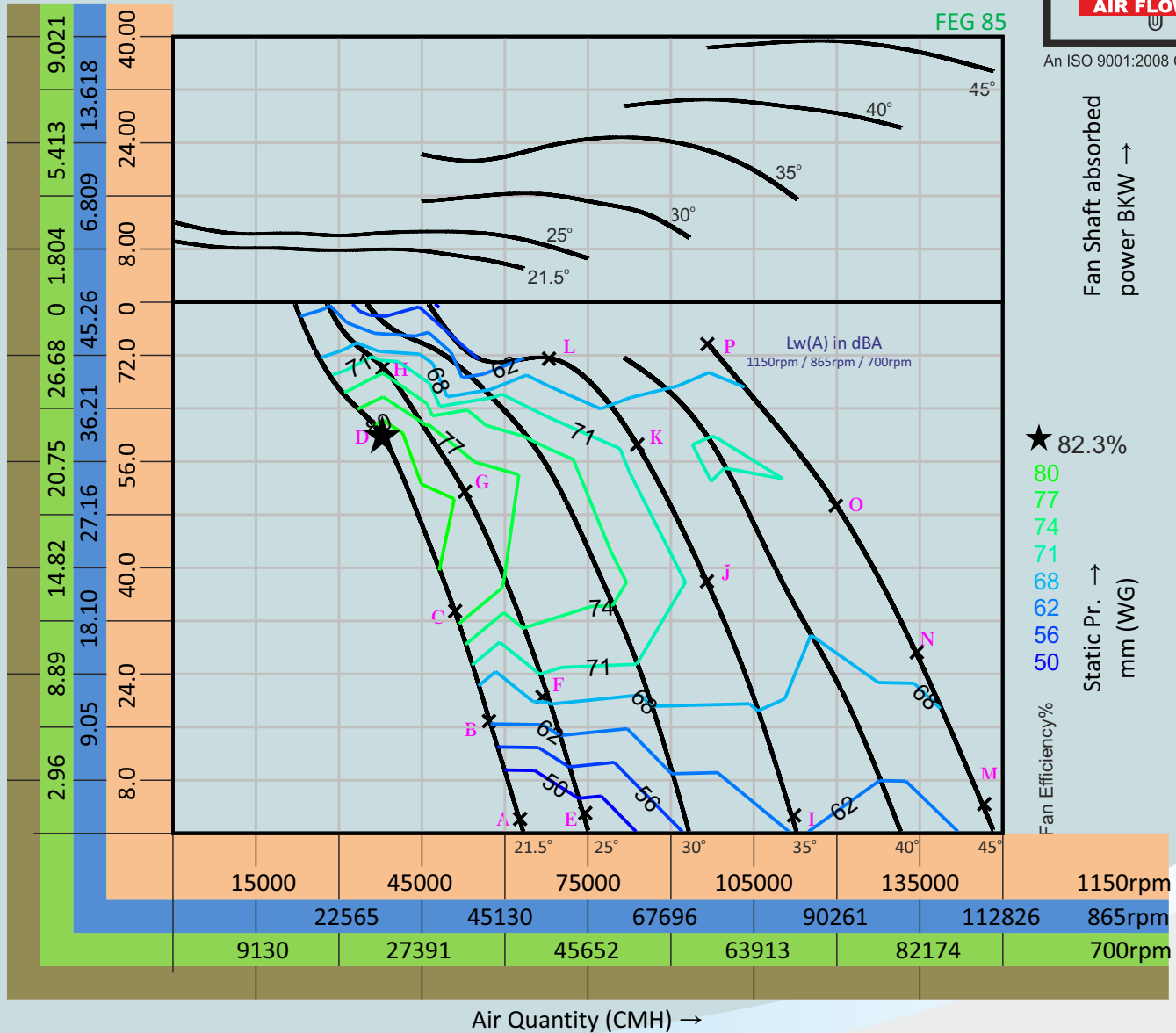
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
31498	40.5	950	4.484	98	104	104	98	95	91	84	77	100	21.5 °	
79744	25.9	950	12.9	91	97	96	91	91	92	88	83	97	35 °	
121159	3.0	950	19.81	94	99	99	95	94	93	90	84	99	45 °	
24038	23.6	725	1.993	95	100	94	91	88	83	76	68	93	21.5 °	
60857	15.1	725	5.734	83	92	86	84	86	86	80	75	91	35 °	
92463	1.8	725	8.805	88	94	91	89	88	87	82	76	93	45 °	

■ FAN MODEL : AFPV-X 1325-347-8

Fan outlet and Inlet area: 1.3794 sq. mtr.



An ISO 9001:2008 Company



AMCA WORLDWIDE CERTIFIED RATINGS

Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 1325-347-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 1150/865/700rpm		LwA in dBA 1150/865/700rpm		LwA in dBA 1150/865/700rpm		LwA in dBA 1150/865/700rpm
A	106 / 99 / 94	E	103 / 97 / 92	I	104 / 97 / 92	M	104 / 97 / 92
B	107 / 101 / 95	F	104 / 98 / 93	J	101 / 95 / 90	N	104 / 97 / 92
C	107 / 100 / 95	G	108 / 101 / 96	K	104 / 97 / 92	O	104 / 98 / 92
D	106 / 98 / 92	H	106 / 99 / 93	L	106 / 98 / 92	P	105 / 99 / 93

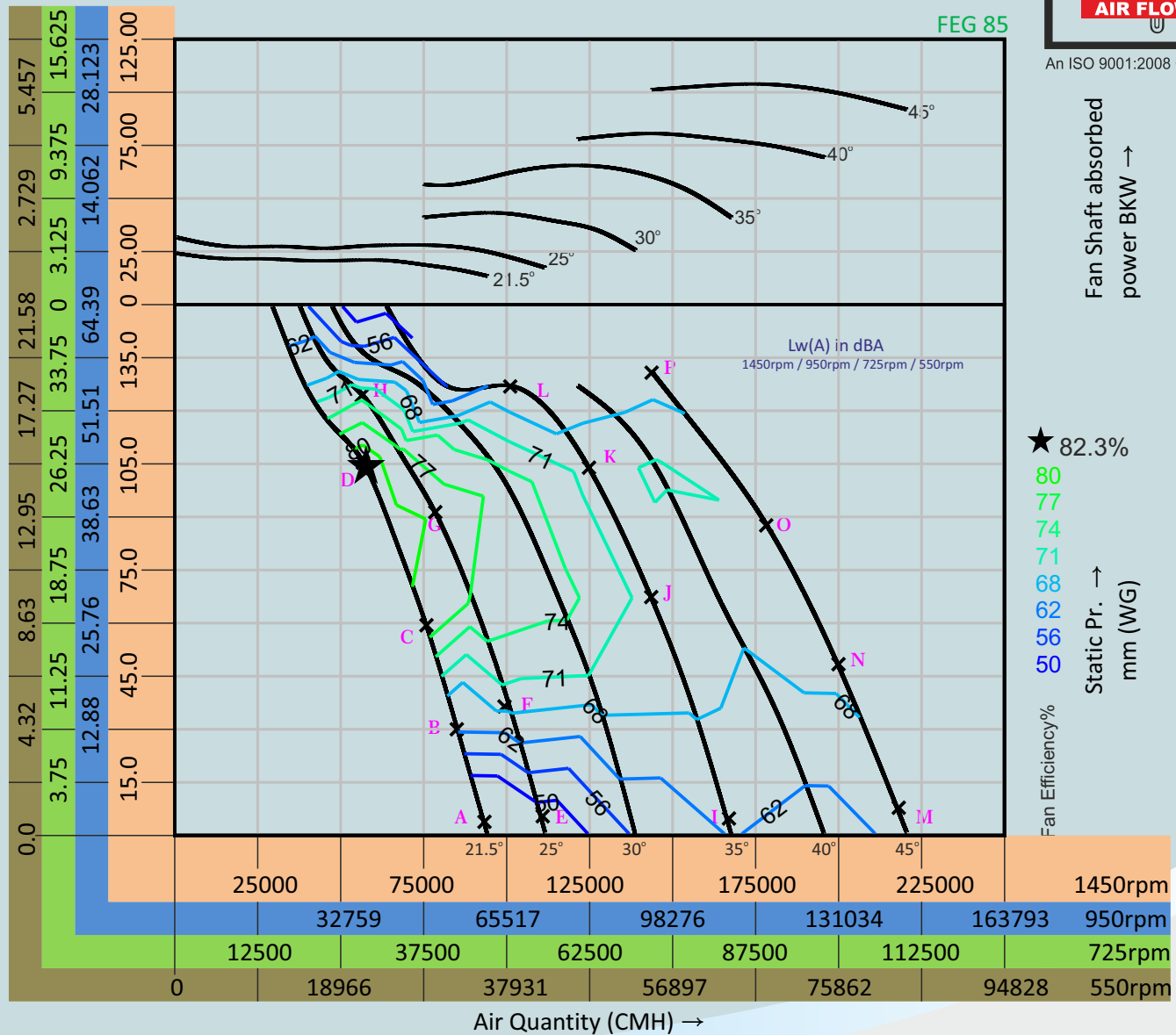
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
38130	59.4	1150	7.954	101	108	109	103	100	97	91	83	106	21.5°	
96532	38	1150	22.884	96	99	101	95	95	96	94	89	101	35°	
146666	4.4	1150	35.14	99	102	103	100	98	98	95	90	104	45°	
28680	33.6	865	3.385	98	103	100	96	93	88	81	74	98	21.5°	
72609	21.5	865	9.738	89	95	93	88	90	90	86	80	95	35°	
110318	2.5	865	14.954	93	97	96	93	92	91	87	82	97	45°	

■ FAN MODEL : AFPV-X 1400-366-8

Fan outlet and Inlet area: 1.5400 sq. mtr.



An ISO 9001:2008 Company



Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 1400-366-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm
A	113 / 103 / 97 / 89	E	111 / 100 / 94 / 87	I	111 / 101 / 94 / 87	M	111 / 101 / 95 / 88
B	115 / 104 / 98 / 90	F	112 / 101 / 95 / 88	J	109 / 99 / 93 / 86	N	111 / 101 / 95 / 88
C	115 / 104 / 98 / 90	G	115 / 104 / 98 / 90	K	111 / 101 / 94 / 87	O	112 / 101 / 95 / 88
D	113 / 102 / 95 / 87	H	114 / 103 / 95 / 88	L	114 / 103 / 95 / 88	P	113 / 102 / 96 / 89

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
37156	45.2	950	5.905	100	106	106	100	97	93	86	78	102	21.5°	
94067	28.9	950	16.989	92	99	98	92	93	94	90	85	99	35°	
142919	3.4	950	26.088	96	101	101	97	96	95	91	86	101	45°	
28356	26.3	725	2.625	97	102	96	93	90	85	77	70	95	21.5°	
71788	16.8	725	7.551	85	94	87	86	88	88	82	77	93	35°	
109070	2.0	725	11.595	90	96	93	90	89	89	83	78	95	45°	

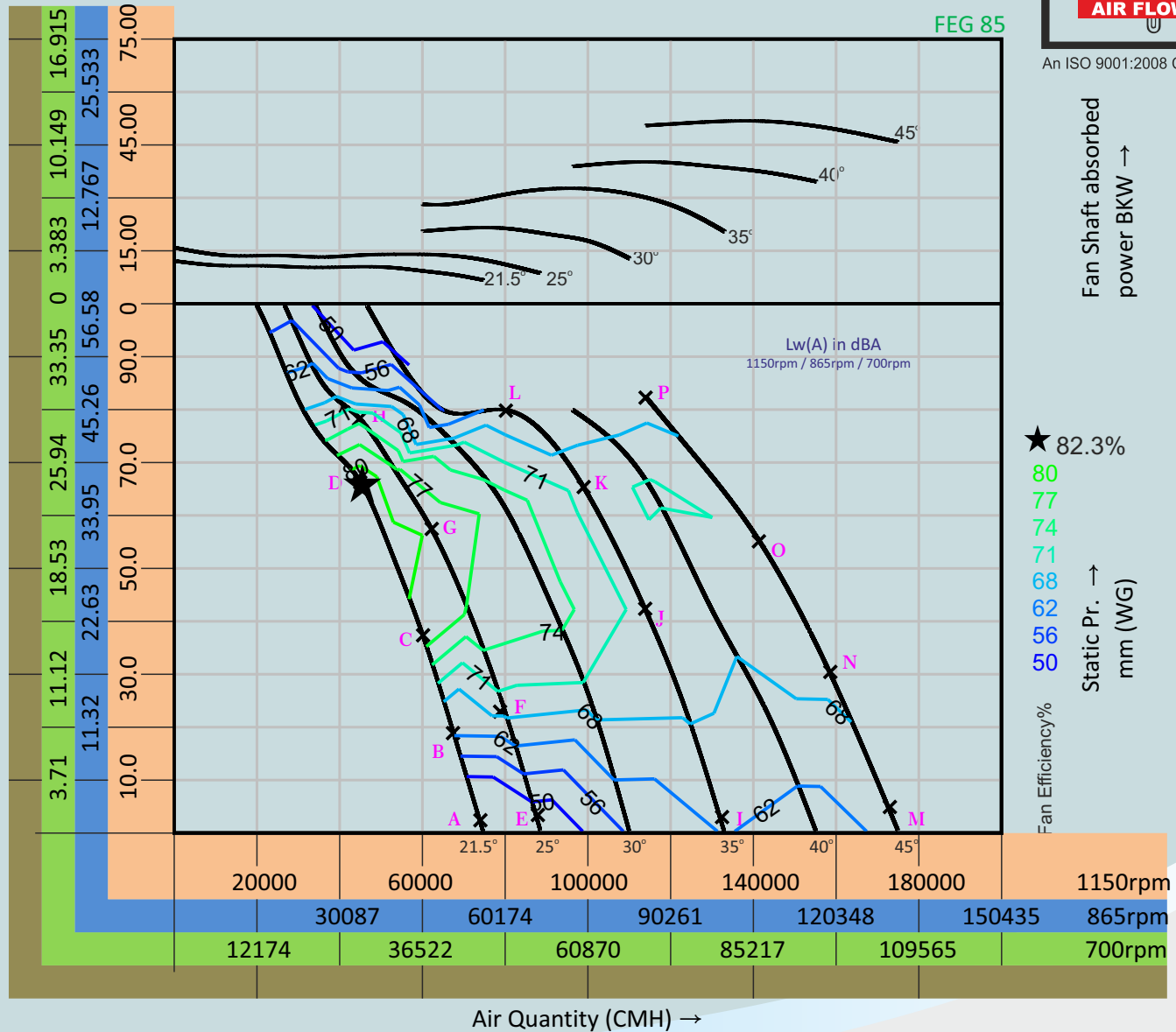


■ FAN MODEL : AFPV-X 1400-366-8

Fan outlet and Inlet area: 1.5400 sq. mtr.



An ISO 9001:2008 Company



Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 1400-366-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lw<sub>i</sub> and inlet Lw<sub>iA</sub> sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to 10<sup>-12</sup> watts, calculated per AMCA International Standard 301.

	LwA in dBA 1150/865/700rpm		LwA in dBA 1150/865/700rpm		LwA in dBA 1150/865/700rpm		LwA in dBA 1150/865/700rpm
A	108 / 101 / 96	E	106 / 99 / 93	I	106 / 99 / 94	M	106 / 99 / 94
B	109 / 102 / 97	F	106 / 99 / 94	J	104 / 97 / 92	N	106 / 99 / 94
C	109 / 102 / 97	G	110 / 103 / 97	K	106 / 99 / 94	O	106 / 99 / 94
D	108 / 100 / 94	H	108 / 101 / 95	L	108 / 100 / 94	P	107 / 100 / 95

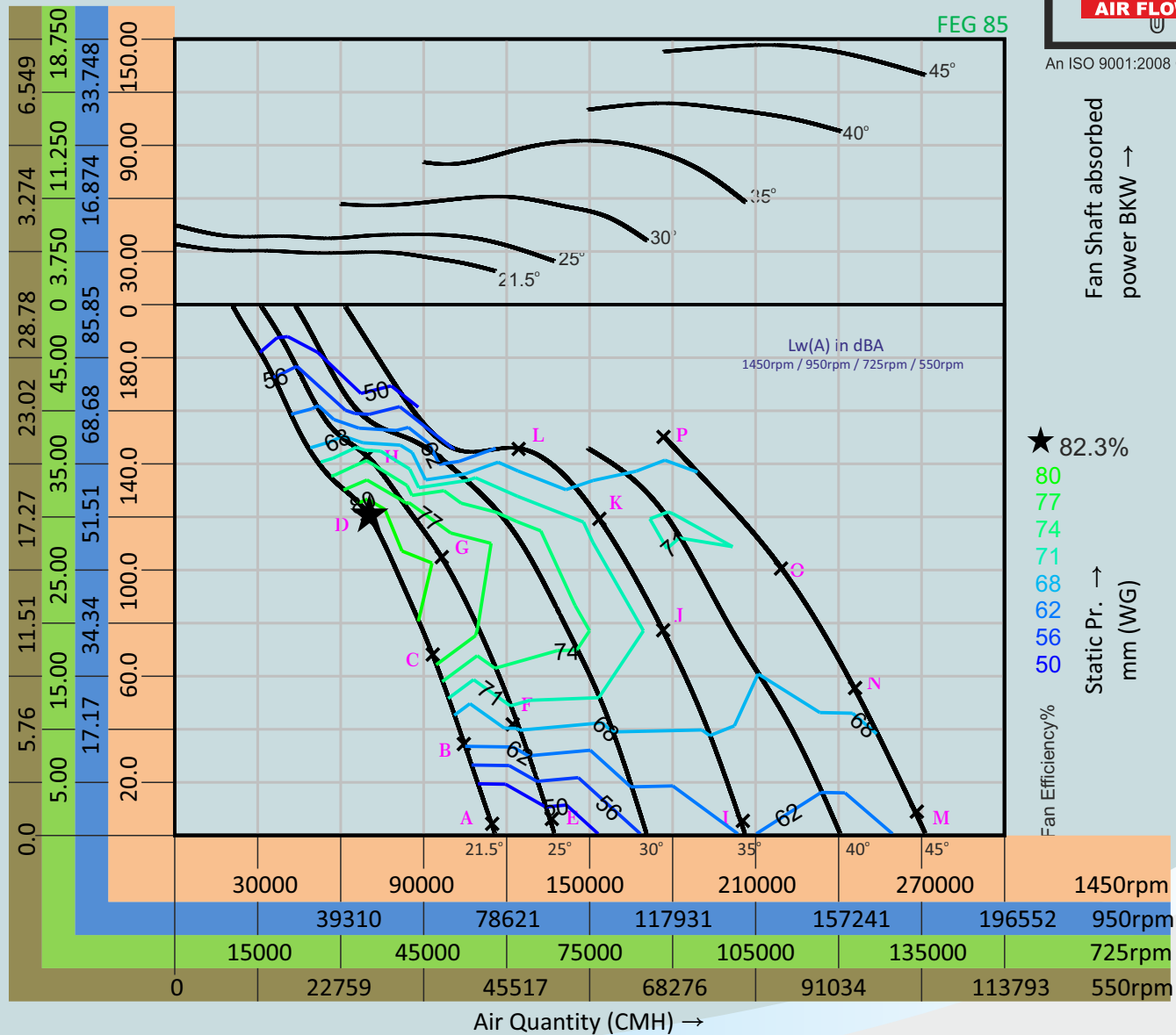
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lw <sub>i</sub> (dB)								Overall Lw <sub>iA</sub> (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
33831	37.5	865	4.458	100	105	102	97	94	90	83	75	100	21.5°	
85650	24.0	865	12.825	91	97	94	90	91	91	87	82	97	35°	
130132	2.8	865	19.694	95	99	98	95	93	93	89	83	99	45°	
27378	24.6	700	2.362	98	101	95	92	89	84	76	68	94	21.5°	
69312	15.7	700	6.797	86	93	86	85	87	87	81	76	92	35°	
105309	1.8	700	10.437	90	95	92	89	89	88	82	77	94	45°	

■ FAN MODEL : AFPV-X 1500-392-8

Fan outlet and Inlet area: 1.7679 sq. mtr.



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Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 1500-392-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm
A	115 / 105 / 99 / 91	E	113 / 102 / 96 / 89	I	113 / 103 / 97 / 89	M	113 / 103 / 97 / 90
B	117 / 106 / 100 / 92	F	114 / 103 / 97 / 90	J	111 / 101 / 95 / 88	N	113 / 103 / 97 / 90
C	117 / 106 / 100 / 92	G	117 / 106 / 100 / 93	K	113 / 103 / 97 / 90	O	114 / 103 / 97 / 90
D	115 / 104 / 97 / 90	H	116 / 105 / 98 / 90	L	116 / 105 / 97 / 90	P	115 / 104 / 98 / 91

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
45700	51.9	950	8.337	103	106	108	102	99	95	88	81	104	21.5°	
115698	33.2	950	23.987	95	98	100	95	95	96	92	87	101	35°	
175785	3.9	950	36.835	98	100	103	99	98	97	94	88	103	45°	
34876	30.2	725	3.706	100	104	98	95	92	87	79	72	97	21.5°	
88296	19.3	725	10.662	88	97	89	88	90	90	84	79	95	35°	
134151	2.2	725	16.372	92	98	95	92	92	91	86	80	97	45°	

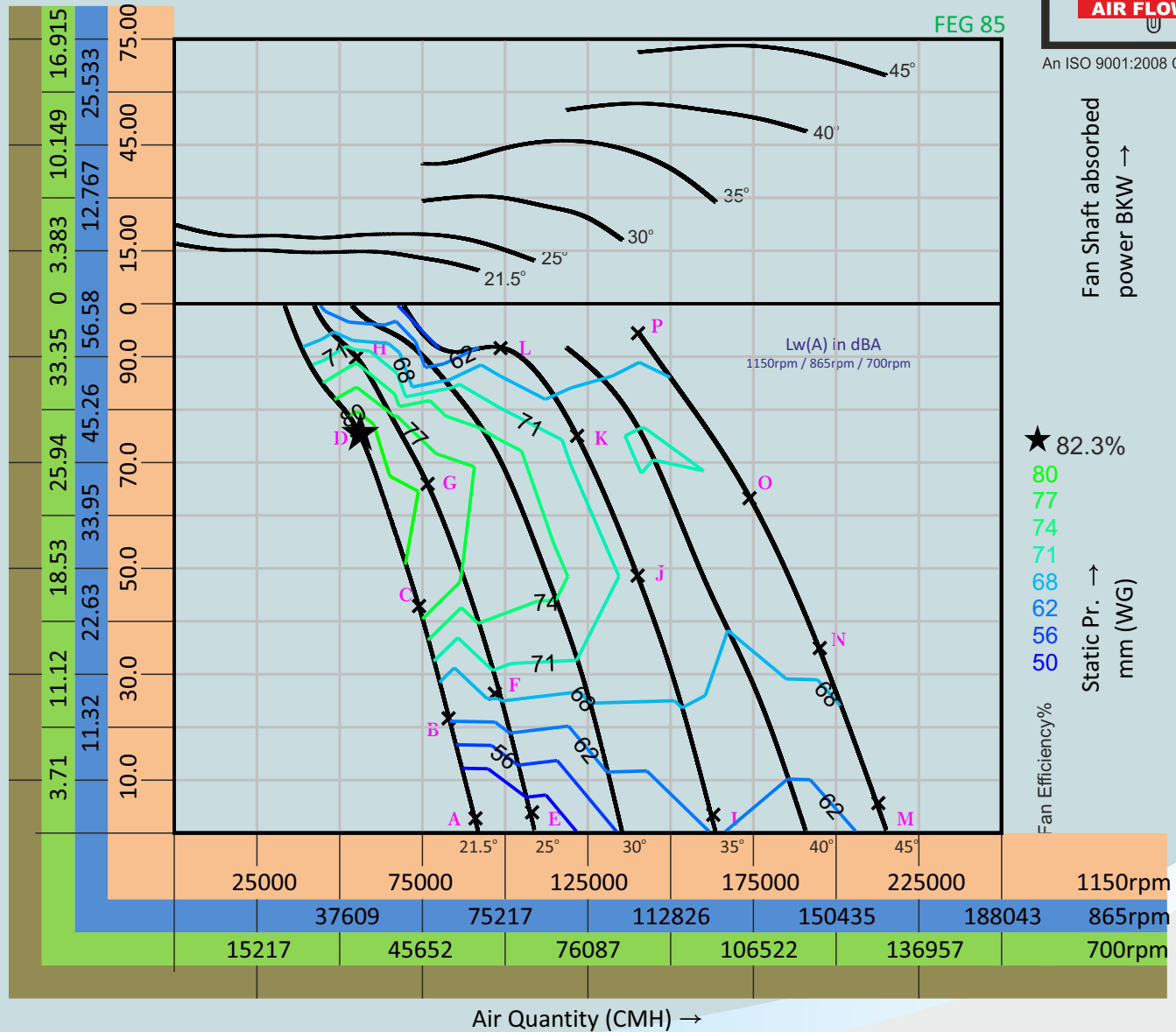


■ FAN MODEL : AFPV-X 1500-392-8

Fan outlet and Inlet area: 1.7679 sq. mtr.



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AMCA WORLDWIDE CERTIFIED RATINGS

SOUND AND AIR PERFORMANCE

AIR FLOW PVT. LTD. CERTIFIES THAT THE VANE AXIAL FAN SERIES AFPV-X 1500-392-8 SHOWN HEREIN IS 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 1150/865/700rpm		LwA in dBA 1150/865/700rpm		LwA in dBA 1150/865/700rpm		LwA in dBA 1150/865/700rpm
A	110 / 103 / 98	E	107 / 101 / 95	I	108 / 101 / 96	M	108 / 101 / 96
B	111 / 104 / 99	F	108 / 102 / 96	J	105 / 99 / 94	N	107 / 101 / 96
C	111 / 104 / 99	G	111 / 105 / 99	K	108 / 101 / 96	O	108 / 101 / 96
D	109 / 102 / 96	H	110 / 103 / 97	L	110 / 102 / 96	P	109 / 103 / 97

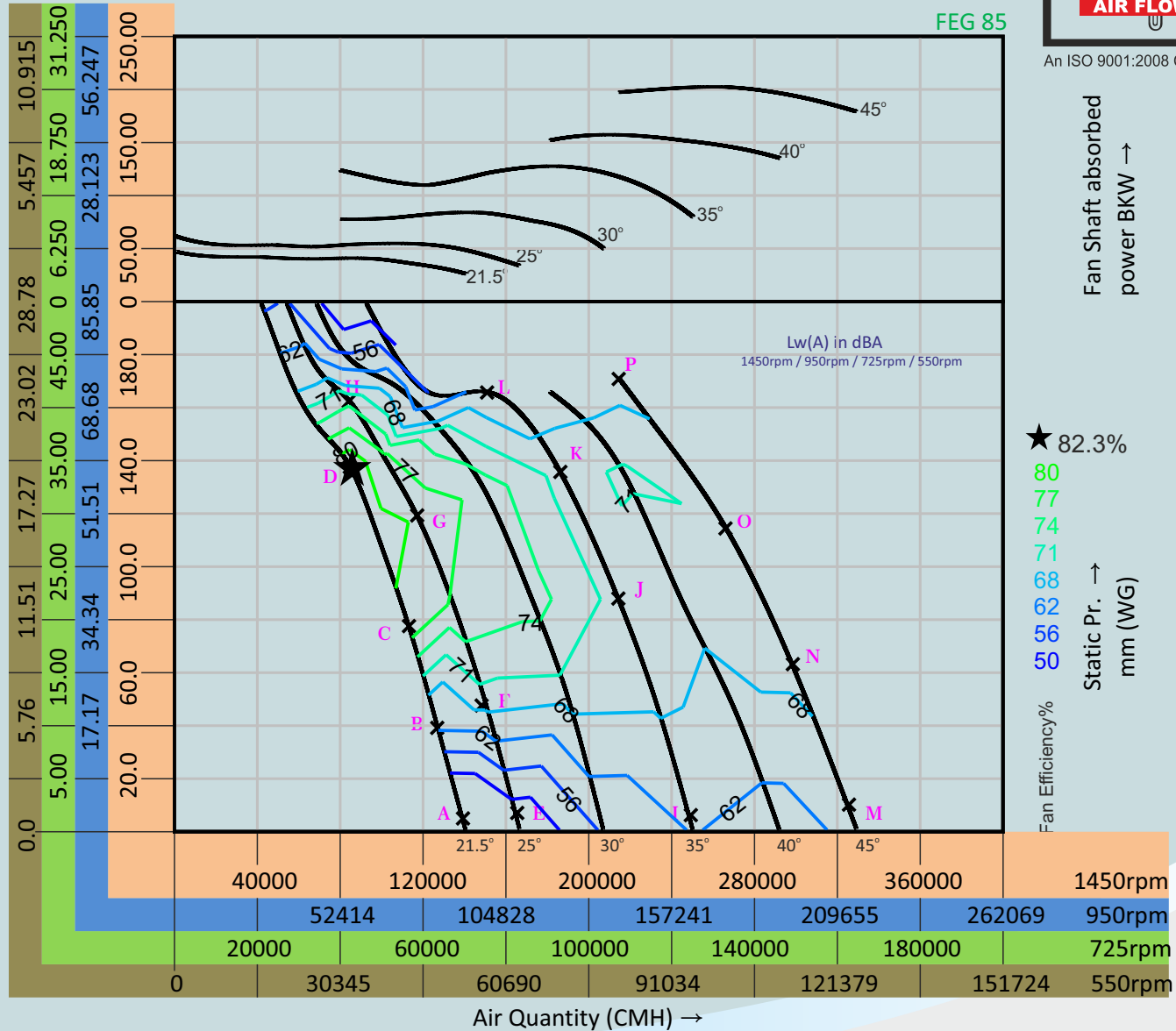
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
41611	43.1	865	6.294	103	107	104	100	96	92	85	77	102	21.5 °	
105346	27.5	865	18.107	93	99	96	92	93	94	89	84	99	35 °	
160056	3.2	865	27.806	97	101	100	97	96	95	91	85	101	45 °	
33674	28.2	700	3.335	100	103	97	94	91	86	78	70	96	21.5 °	
85251	18.0	700	9.596	88	96	88	87	89	89	83	78	94	35 °	
129525	2.1	700	14.736	92	98	94	91	91	90	85	79	96	45 °	

■ FAN MODEL : AFPV-X 1600-418-8

Fan outlet and Inlet area: 2.0114 sq. mtr.



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Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 1600-418-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm		LwA in dBA 1450/950/725/550rpm
A	117 / 107 / 101 / 93	E	115 / 104 / 98 / 91	I	115 / 105 / 99 / 91	M	115 / 105 / 99 / 92
B	119 / 108 / 102 / 94	F	116 / 105 / 99 / 92	J	113 / 103 / 97 / 90	N	115 / 105 / 99 / 92
C	119 / 108 / 102 / 94	G	119 / 108 / 102 / 95	K	115 / 105 / 99 / 92	O	116 / 105 / 99 / 92
D	117 / 106 / 99 / 92	H	118 / 107 / 100 / 92	L	118 / 107 / 99 / 92	P	117 / 106 / 100 / 93

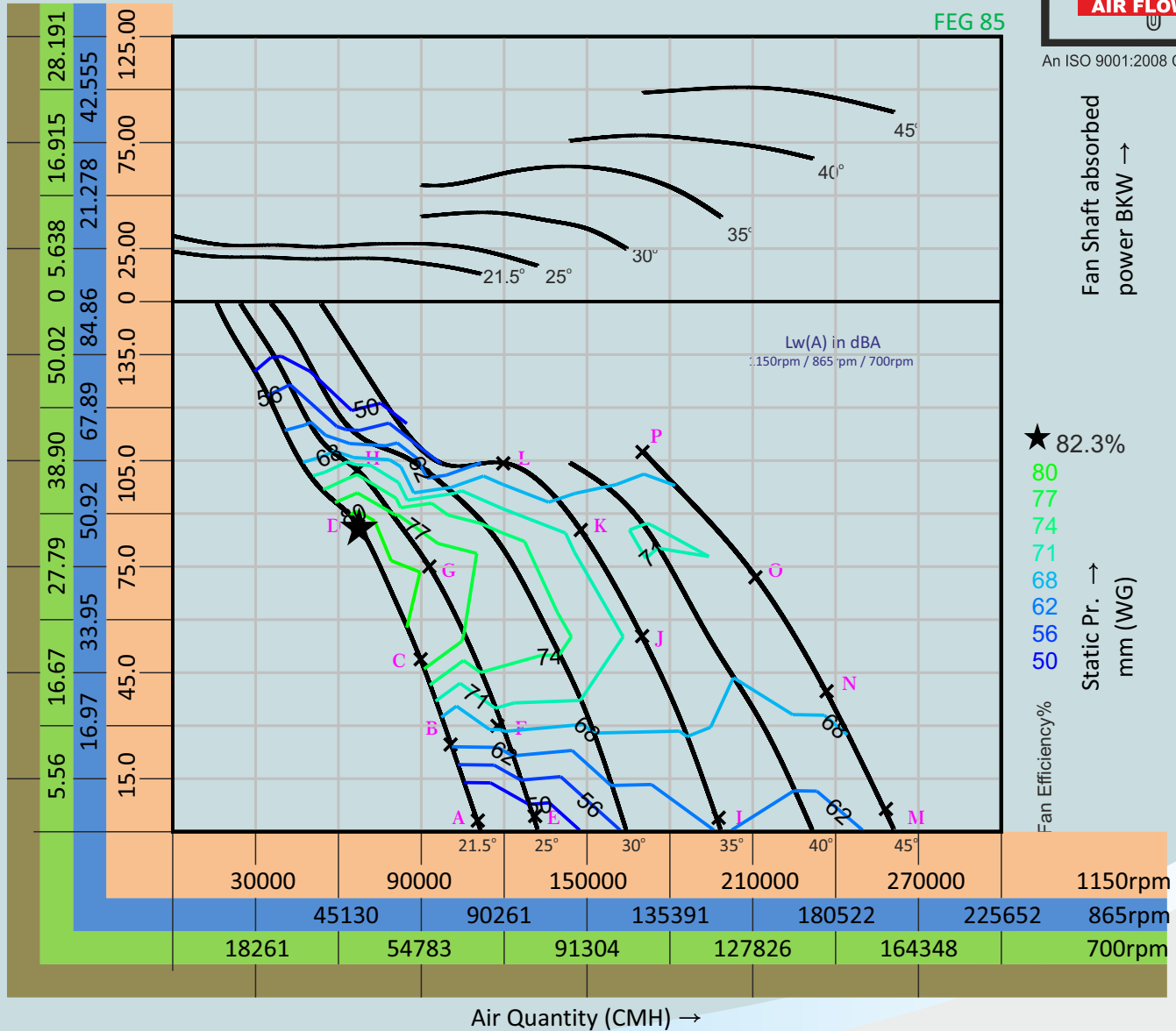
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
55463	59.1	950	11.513	105	111	110	104	101	97	90	82	106	21.5 °	
140414	37.8	950	33.123	97	103	102	96	97	98	94	89	103	35 °	
213337	4.4	950	50.863	100	105	105	101	100	99	95	90	105	45 °	
42327	34.4	725	5.117	102	106	100	97	94	89	81	74	99	21.5 °	
107158	22.0	725	14.722	90	98	91	90	92	92	86	81	97	35 °	
162810	2.6	725	22.607	94	100	97	94	94	93	88	82	99	45 °	

■ FAN MODEL : AFPV-X 1600-418-8

Fan outlet and Inlet area: 2.0114 sq. mtr.



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Air Quantity (CMH) →



Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 1600-418-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 1150/865/700rpm		LwA in dBA 1150/865/700rpm		LwA in dBA 1150/865/700rpm		LwA in dBA 1150/865/700rpm
A	111 / 105 / 100	E	109 / 103 / 97	I	110 / 103 / 98	M	110 / 103 / 98
B	113 / 106 / 101	F	110 / 104 / 98	J	107 / 101 / 96	N	109 / 103 / 98
C	113 / 106 / 101	G	113 / 107 / 101	K	110 / 103 / 98	O	110 / 103 / 98
D	111 / 104 / 98	H	112 / 105 / 99	L	112 / 104 / 98	P	111 / 104 / 99

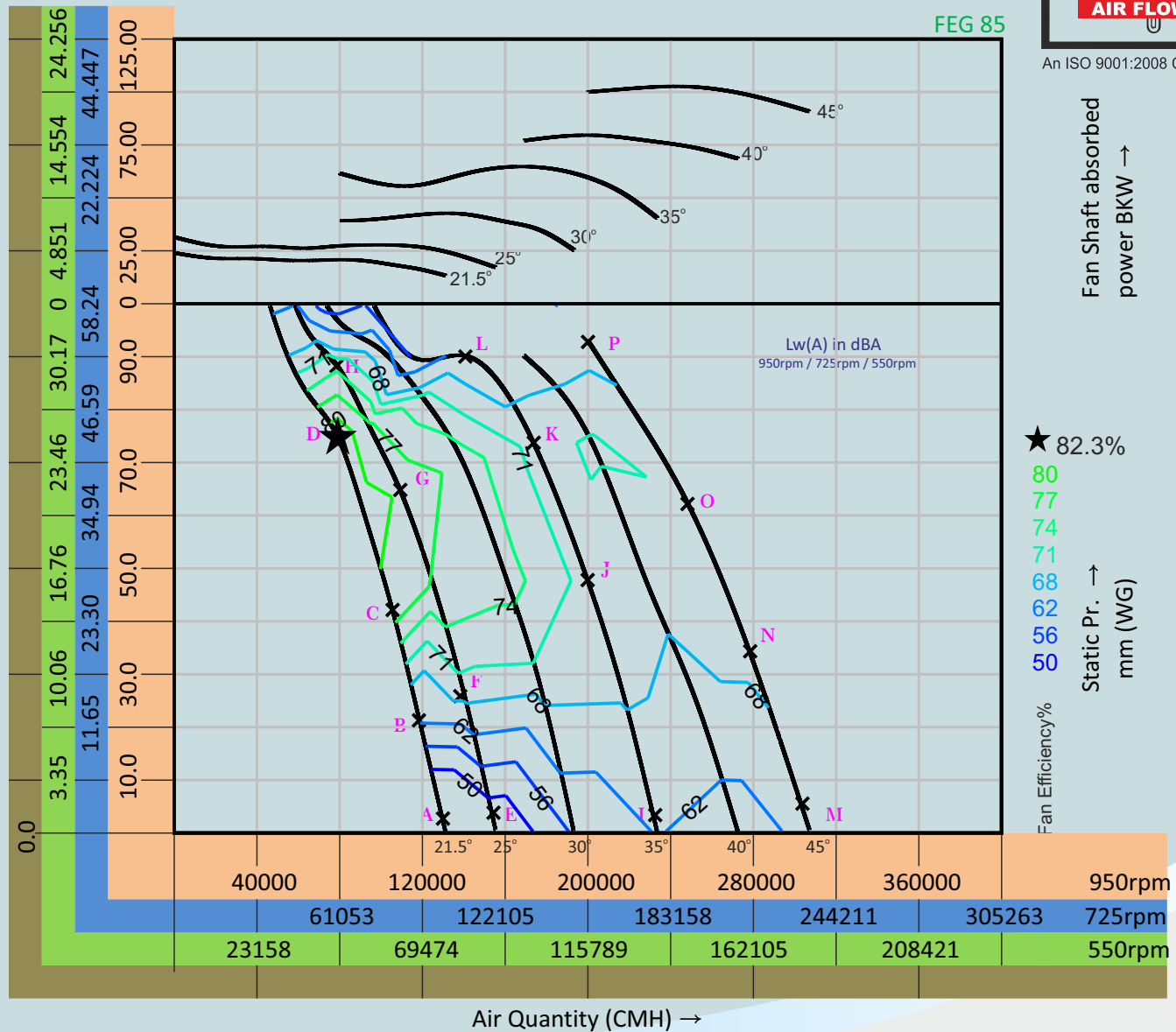
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
50500	49.0	865	8.691	105	109	106	102	98	94	87	79	104	21.5 °	
127851	31.3	865	25.004	97	101	98	94	95	96	91	86	101	35 °	
194249	3.6	865	38.396	99	103	102	99	98	97	93	87	103	45 °	
40867	32.1	700	4.606	102	105	99	96	93	88	80	72	98	21.5 °	
103463	20.5	700	13.251	91	98	90	89	91	91	85	80	96	35 °	
157196	2.4	700	20.348	94	100	96	93	93	92	86	81	98	45 °	

■ FAN MODEL : AFPV-X 1800-470-8

Fan outlet and Inlet area: 2.5457 sq. mtr.



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Air Quantity (CMH) →



Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 1800-470-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 950/725/550rpm		LwA in dBA 950/725/550rpm		LwA in dBA 950/725/550rpm		LwA in dBA 950/725/550rpm
A	110 / 104 / 97	E	108 / 102 / 95	I	109 / 102 / 95	M	109 / 102 / 95
B	112 / 106 / 98	F	109 / 103 / 96	J	106 / 100 / 94	N	108 / 102 / 95
C	111 / 105 / 98	G	112 / 106 / 98	K	108 / 102 / 95	O	109 / 102 / 95
D	110 / 103 / 95	H	111 / 103 / 96	L	110 / 103 / 95	P	110 / 104 / 97

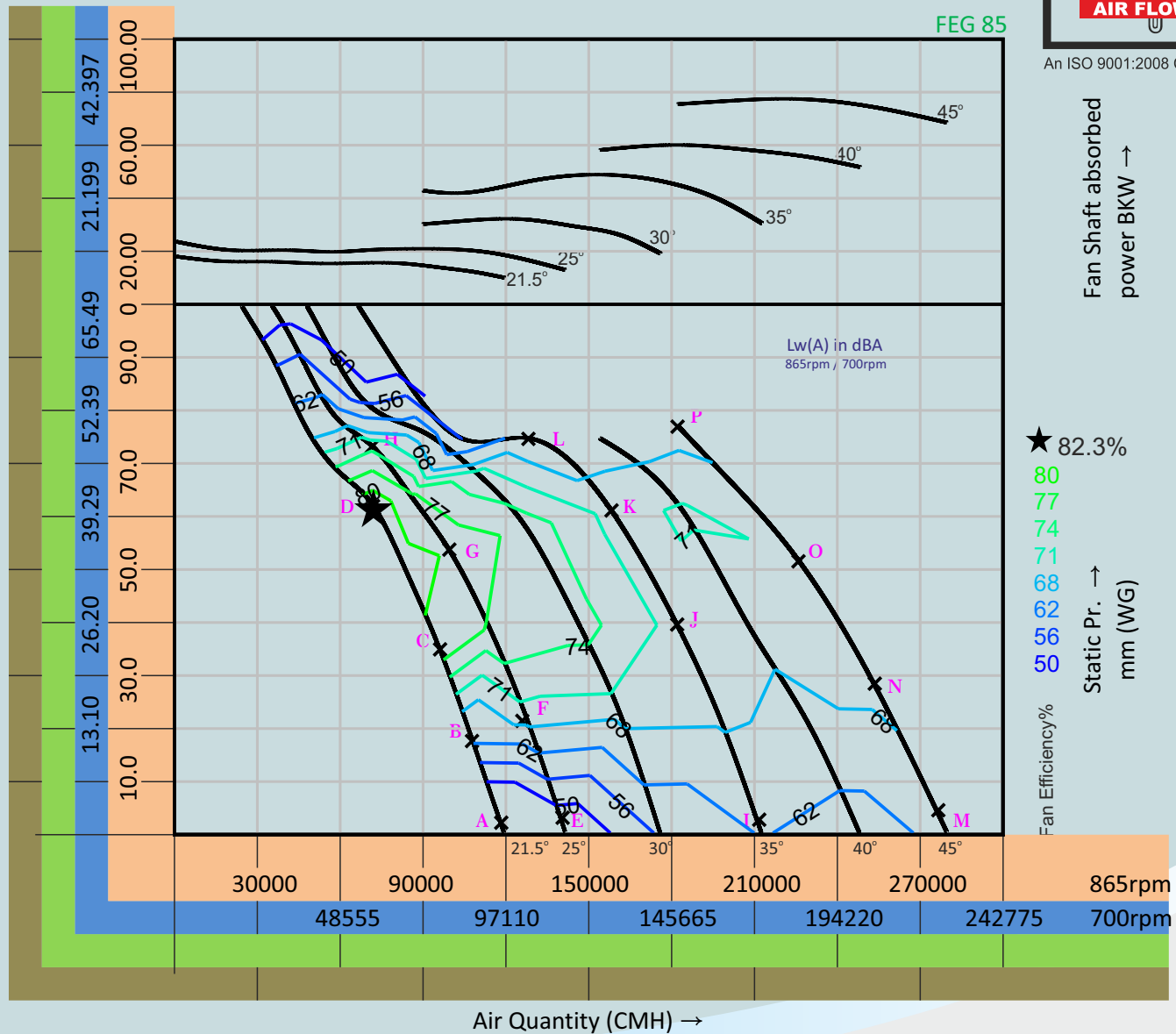
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
78969	74.8	950	20.746	109	114	113	108	104	100	94	86	110	21.5°	
199926	47.8	950	59.688	101	107	106	100	101	101	98	92	106	35°	
303756	5.5	950	91.658	104	109	109	105	103	102	99	94	109	45°	
60266	43.6	725	9.221	106	110	104	101	97	93	85	77	102	21.5°	
152575	27.9	725	26.53	94	102	95	94	96	95	90	84	100	35°	
231814	3.2	725	40.739	98	104	101	98	97	96	91	86	102	45°	

■ FAN MODEL : AFPV-X 1800-470-8

Fan outlet and Inlet area: 2.5457 sq. mtr.



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Air Quantity (CMH) →



Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 1800-470-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 865/700rpm		LwA in dBA 865/700rpm		LwA in dBA 865/700rpm		LwA in dBA 865/700rpm
A	109 / 103	E	106 / 101	I	107 / 101	M	107 / 102
B	110 / 105	F	107 / 102	J	105 / 100	N	107 / 101
C	110 / 104	G	110 / 105	K	107 / 101	O	107 / 101
D	108 / 102	H	108 / 102	L	108 / 102	P	108 / 103

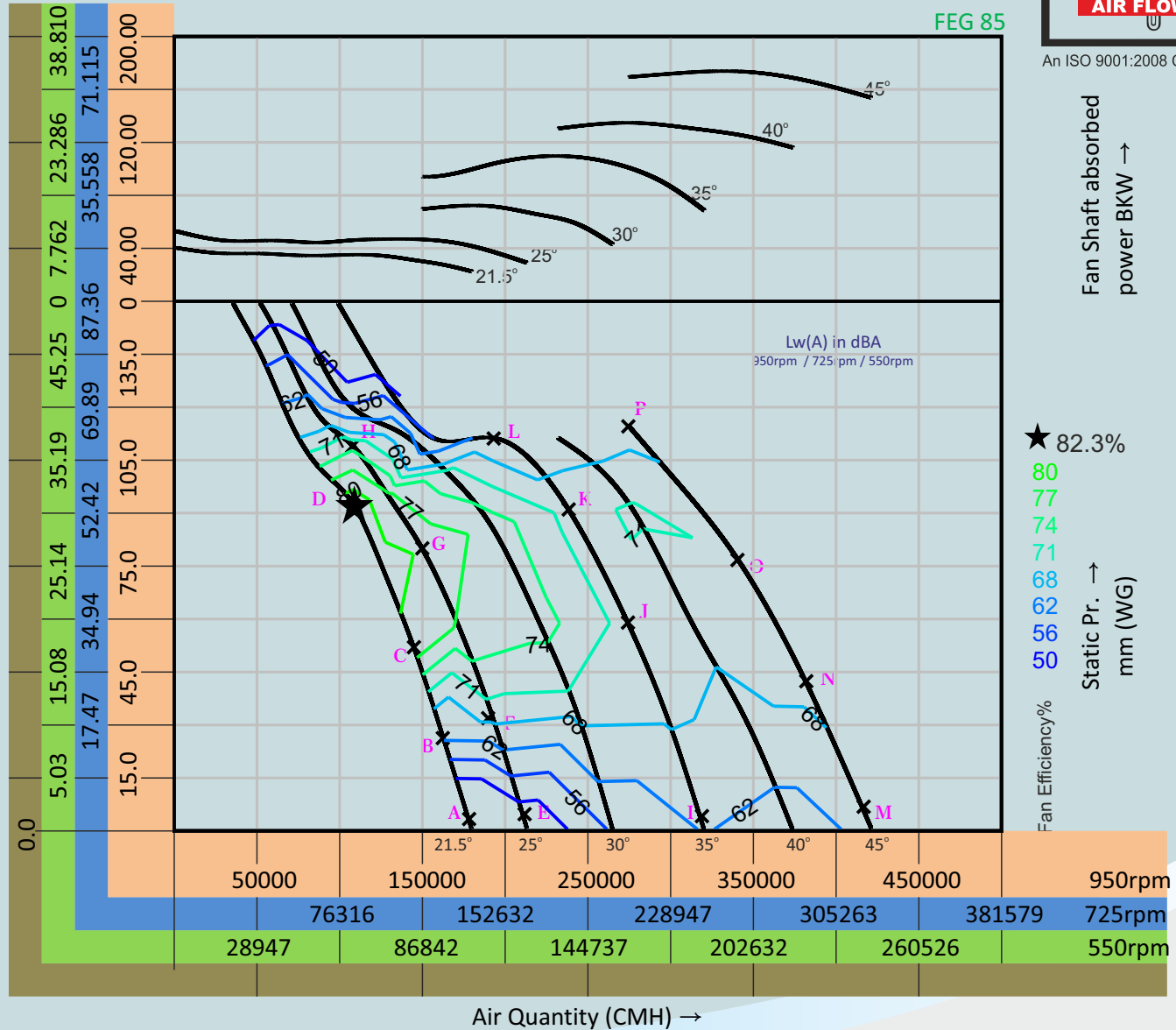
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
71904	62.0	865	15.66	109	113	110	105	102	98	91	83	108	21.5 °	
182038	39.6	865	45.06	100	105	102	98	99	99	95	90	105	35 °	
276578	4.6	865	69.19	103	107	106	102	101	100	96	91	107	45 °	
58188	40.6	700	8.30	106	109	103	100	96	91	84	76	102	21.5 °	
147314	26.0	700	23.88	95	101	94	93	95	94	89	83	100	35 °	
223820	3.0	700	36.67	99	103	99	97	96	95	90	85	102	45 °	

■ FAN MODEL : AFPV-X 2000-522-8

Fan outlet and Inlet area: 3.1429 sq. mtr.



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Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 2000-522-8 shown herein is 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.

Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 950/725/550rpm		LwA in dBA 950/725/550rpm		LwA in dBA 950/725/550rpm		LwA in dBA 950/725/550rpm
A	114 / 108 / 100	E	111 / 105 / 98	I	112 / 105 / 98	M	112 / 106 / 99
B	115 / 109 / 101	F	112 / 106 / 99	J	110 / 104 / 97	N	112 / 105 / 98
C	115 / 109 / 101	G	115 / 109 / 101	K	112 / 105 / 98	O	112 / 106 / 99
D	113 / 106 / 98	H	114 / 106 / 99	L	114 / 106 / 99	P	113 / 107 / 100

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
108326	92.3	950	35.13	113	118	117	111	108	104	97	89	113	21.5°	
274246	59.0	950	101.08	105	110	109	103	104	104	101	96	110	35°	
416675	6.9	950	155.22	108	112	112	108	106	106	102	97	112	45°	
82669	53.8	725	15.62	110	113	107	104	101	96	88	80	106	21.5°	
209293	34.4	725	44.93	98	105	98	97	99	98	93	88	104	35°	
317988	4.0	725	68.99	102	107	104	101	100	99	94	89	106	45°	

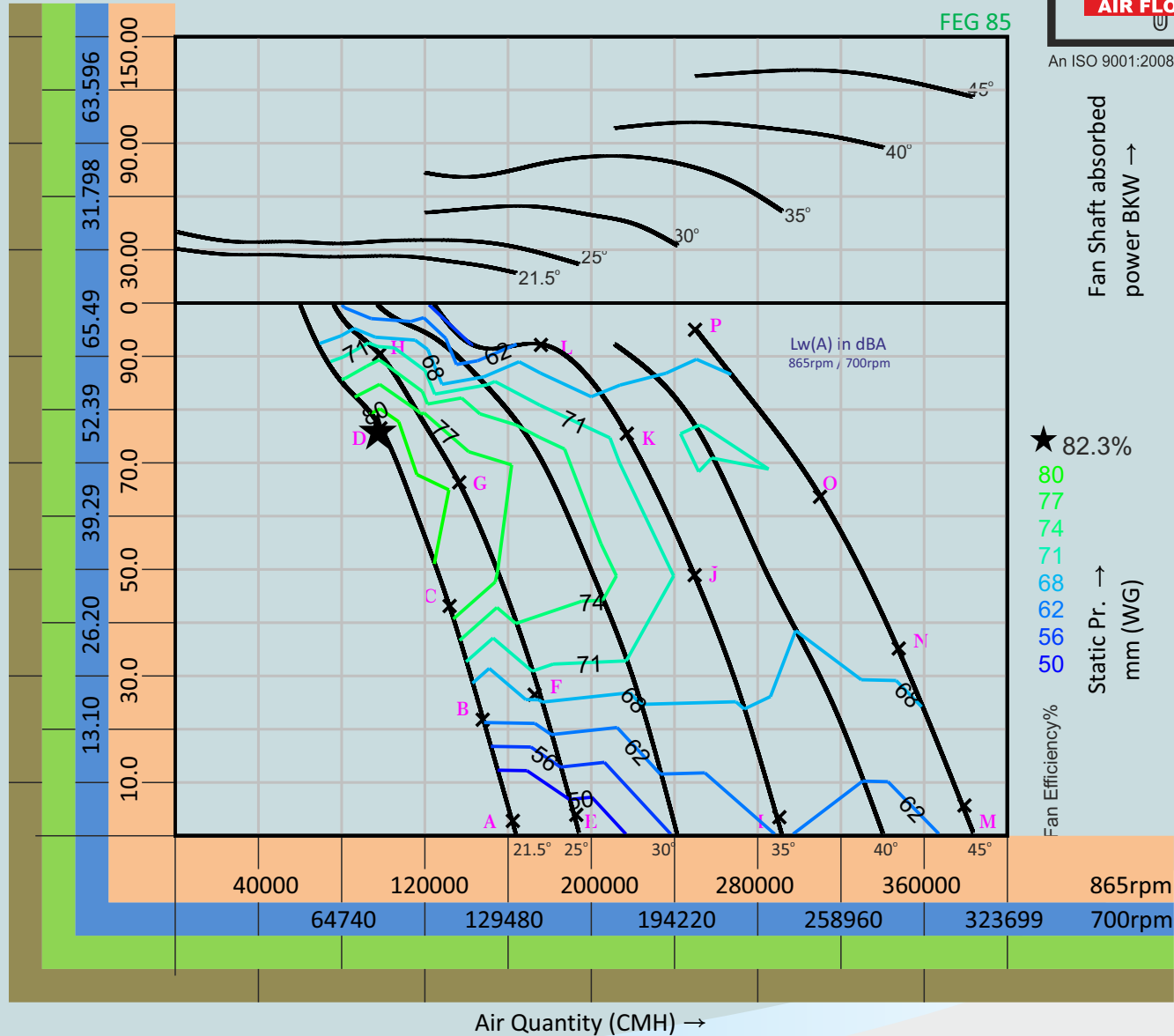


■ FAN MODEL : AFPV-X 2000-522-8

Fan outlet and Inlet area: 3.1429 sq. mtr.



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Air Quantity (CMH) →



Air Flow Pvt. Ltd. certifies that the Vane Axial Fan series AFPV-X 2000-522-8 shown herein is 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.

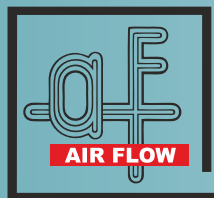
Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Values shown are for inlet Lwi and inlet LwiA sound power levels for Installation Type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to  $10^{-12}$  watts, calculated per AMCA International Standard 301.

	LwA in dBA 865/700rpm		LwA in dBA 865/700rpm		LwA in dBA 865/700rpm		LwA in dBA 865/700rpm
A	112 / 107	E	109 / 104	I	110 / 104	M	110 / 105
B	113 / 108	F	110 / 105	J	108 / 103	N	110 / 105
C	113 / 108	G	113 / 108	K	110 / 104	O	110 / 105
D	111 / 105	H	112 / 105	L	111 / 105	P	111 / 106

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels Lwi(dB)								Overall LwiA (dBA)	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			
98633	76.5	865	26.52	112	117	113	108	105	101	94	86	111	21.5 °	
249709	48.9	865	76.31	102	109	105	101	102	102	98	93	108	35 °	
379393	5.7	865	117.17	106	111	109	106	104	103	99	94	110	45 °	
79819	50.1	700	14.06	109	114	106	103	100	95	87	79	105	21.5 °	
202076	32.1	700	40.44	98	106	97	96	98	97	92	87	103	35 °	
307023	3.7	700	62.10	102	108	103	100	100	99	93	88	105	45 °	





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