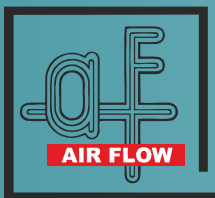


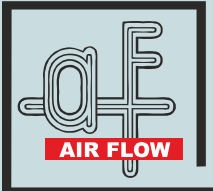
Vane Axial Flow Fans



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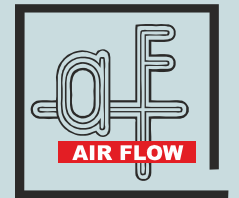
AFPV4GVX

AFPV4GVX Photographs



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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, Axial Flow Fans, Jet Fans Axial Flow Fans, Vane Axial Flow Fans, Plug 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. Fire Rating for Axial Flow Fans, Vane 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 Certification for our Axial Flow Fans range of products, 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 flow fans AFPV4GVX series 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.

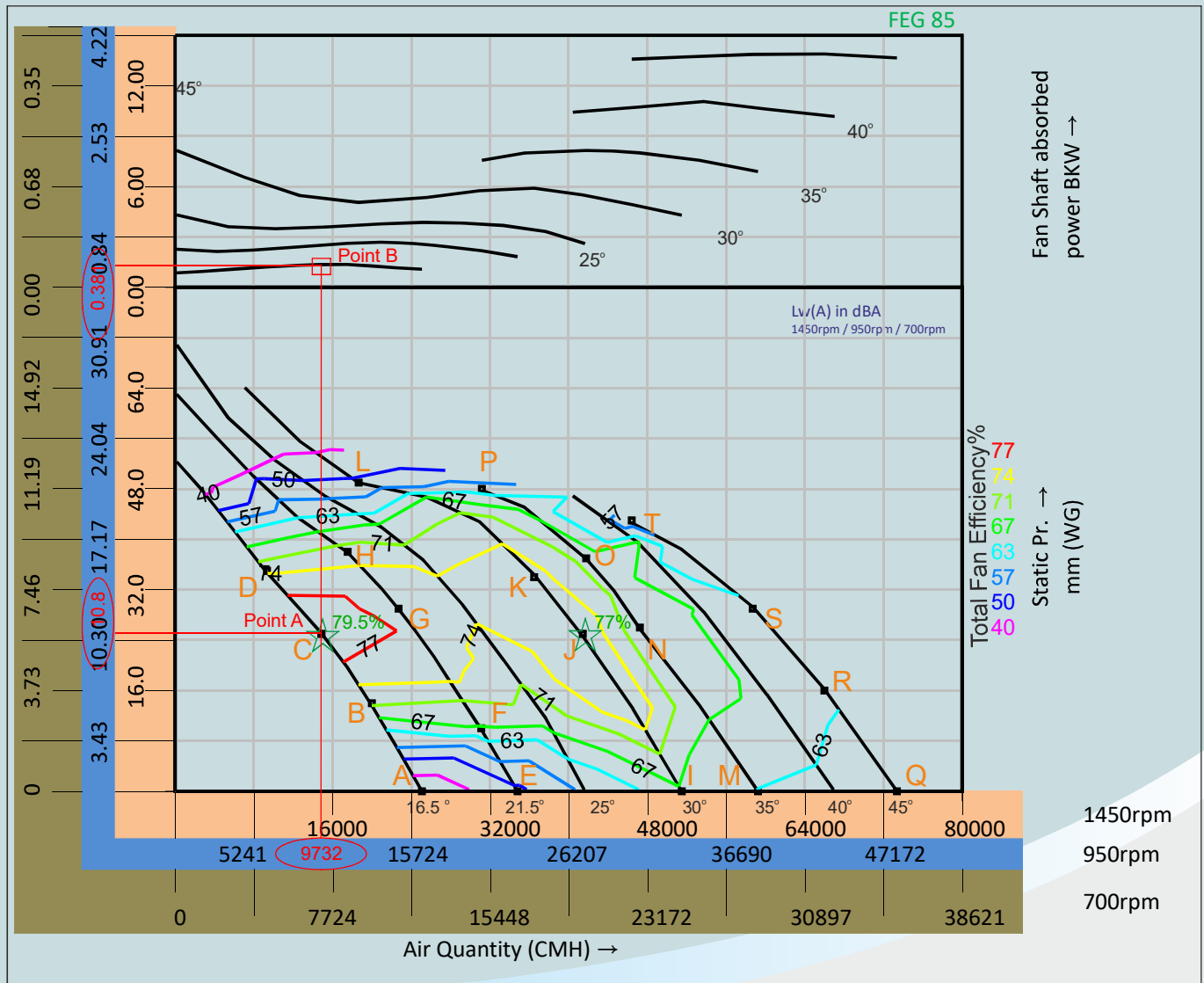
Features

- 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.
- l) Minimum space and weight

Example Graph



Example: AFPV4GVX-1000 @ 950rpm

Desired point: 9732CMH, 10.8mmWG Static Pressure

How to determine Blade pitch setting:

1. Select rpm scale to determine desired duty point (950rpm scale)
2. Enter Bottom scale with CMH (9732) and go vertically upto the region of Fan BKW
3. Enter left with static pressure (10.8mm WG) and horizontally right
4. Where CMH and Static Pressure intersect is the operating point. Select Blade pitch angle (16.5deg) from this (Point A)

How to determine Fan shaft absorbed power

4. Starting at the operating point found in step4, follow the CMH until intersecting the Fan BKW line corresponding to blade pitch found in step4 (Point B)
5. From this point go horizontally left and read brake kilowatt (0.381KW) in 950rpm scale on the Fan BKW scale. Use this Brake Kilowatt to select Motor Kilowatt.

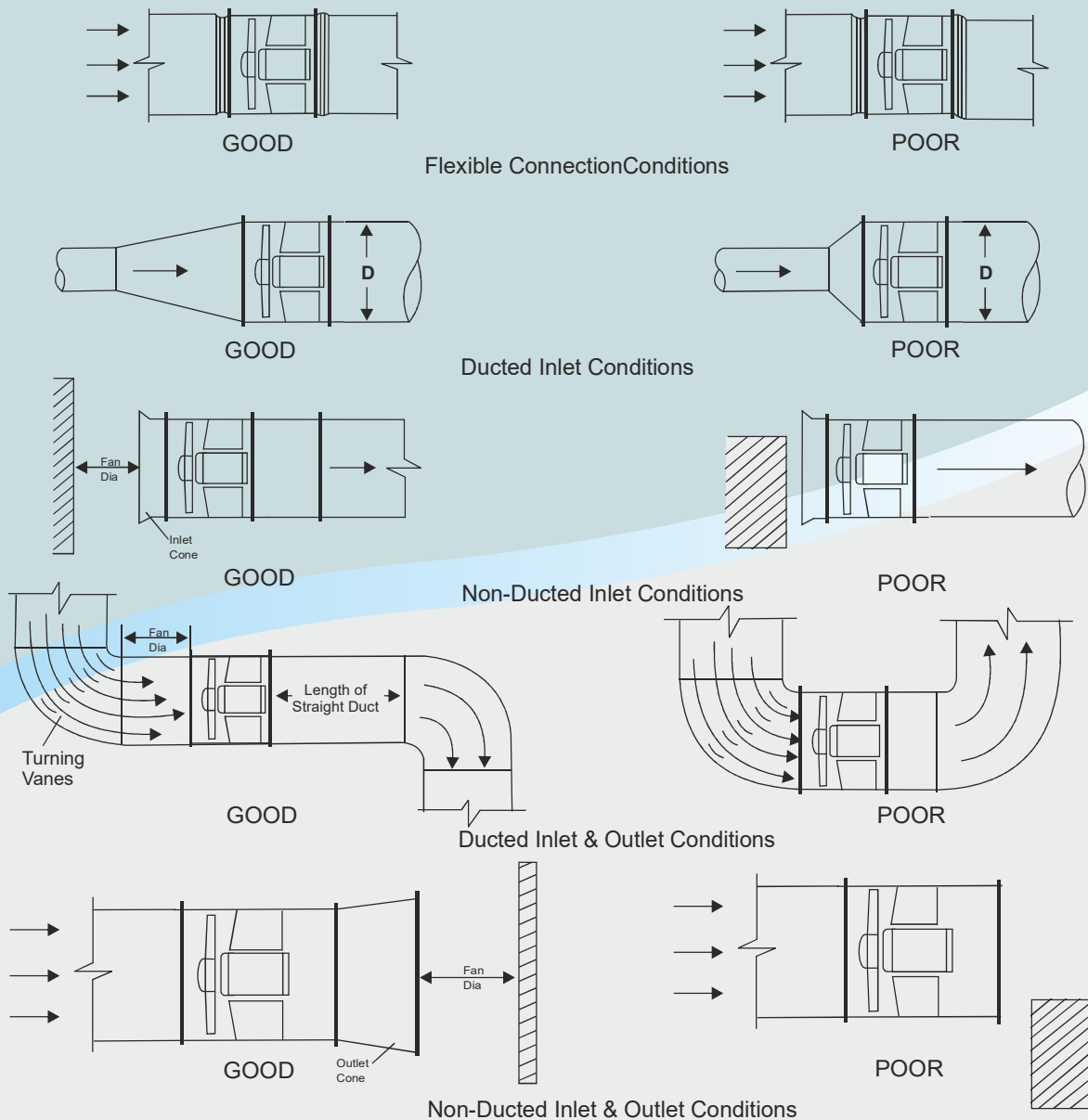
6. To determine Noise power level at duty point from nearby noise selection value at 950rpm of 86dBA.
7. Total Efficiency of Fan at this duty point is 79.5%

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.



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/m³

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/m³ x (Fan Outlet velocity m/s)²)

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 in² = 6.4516 cm²
1 Ft² = .0929 m²
1 yd² = .8381 m²
1 mi² = 2.5899 Km²

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/ft³ = 16.018 kg/m²

TIP SPEED

1 fpm = .0051 m/s

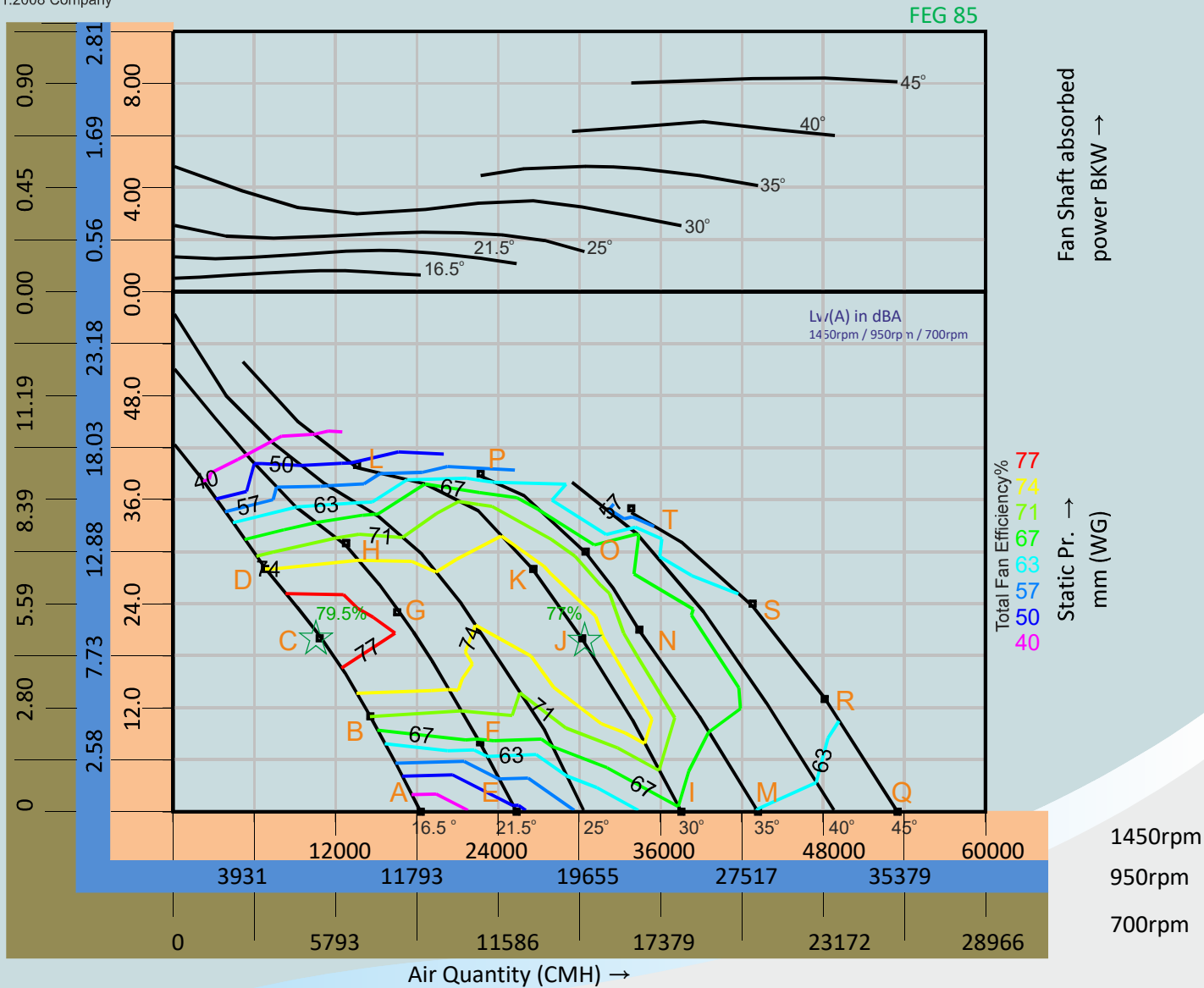


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FAN MODEL : AFPV4GVX-900-280-6

50Hz

Fan outlet and Inlet area: 0.6364 sq. mtr.



Air Flow Private Limited certifies that the Vane Axial Flow Fan series AFPV4GVX 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.

Performance certified is for installation type D - Ducted 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 LwA sound power level for Installation Type D: Ducted inlet, Ducted outlet.

LwA in dBA 1450/950/700rpm		LwA in dBA 1450/950/700rpm		LwA in dBA 1450/950/700rpm		LwA in dBA 1450/950/700rpm		LwA in dBA 1450/950/700rpm											
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
95 / 85 / 78	98 / 87 / 80	97 / 86 / 78	93 / 83 / 77	93 / 83 / 77	93 / 84 / 77	99 / 88 / 81	99 / 88 / 80	92 / 83 / 77	93 / 83 / 76	99 / 88 / 80	102 / 91 / 83	93 / 84 / 77	93 / 82 / 75	96 / 85 / 78	104 / 93 / 85	96 / 86 / 78	96 / 86 / 79	97 / 87 / 79	101 / 90 / 82
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels A-weighted (LwA) dB								Loudness in Sones		Blade Angle					
10829	20.34	1450	0.801	63	125	250	500	1000	2000	4000	8000	Overall	47	16.5°					
37534	0.00	1450	2.534	62	76	79	83	88	86	85	85	92	43	30.0°					
30208	19.93	1450	3.255	61	76	80	84	89	88	86	83	93	42	30.0°					
22716	38.65	1450	4.465	68	76	94	100	101	96	91	84	104	72	35.0°					

The sound ratings shown are loudness values in fan sones at a distance of 1.5m (5ft) in a hemispherical free field calculated per AMCA International Standard 301, values shown are for installation Type D: free inlet hemispherical sone levels.

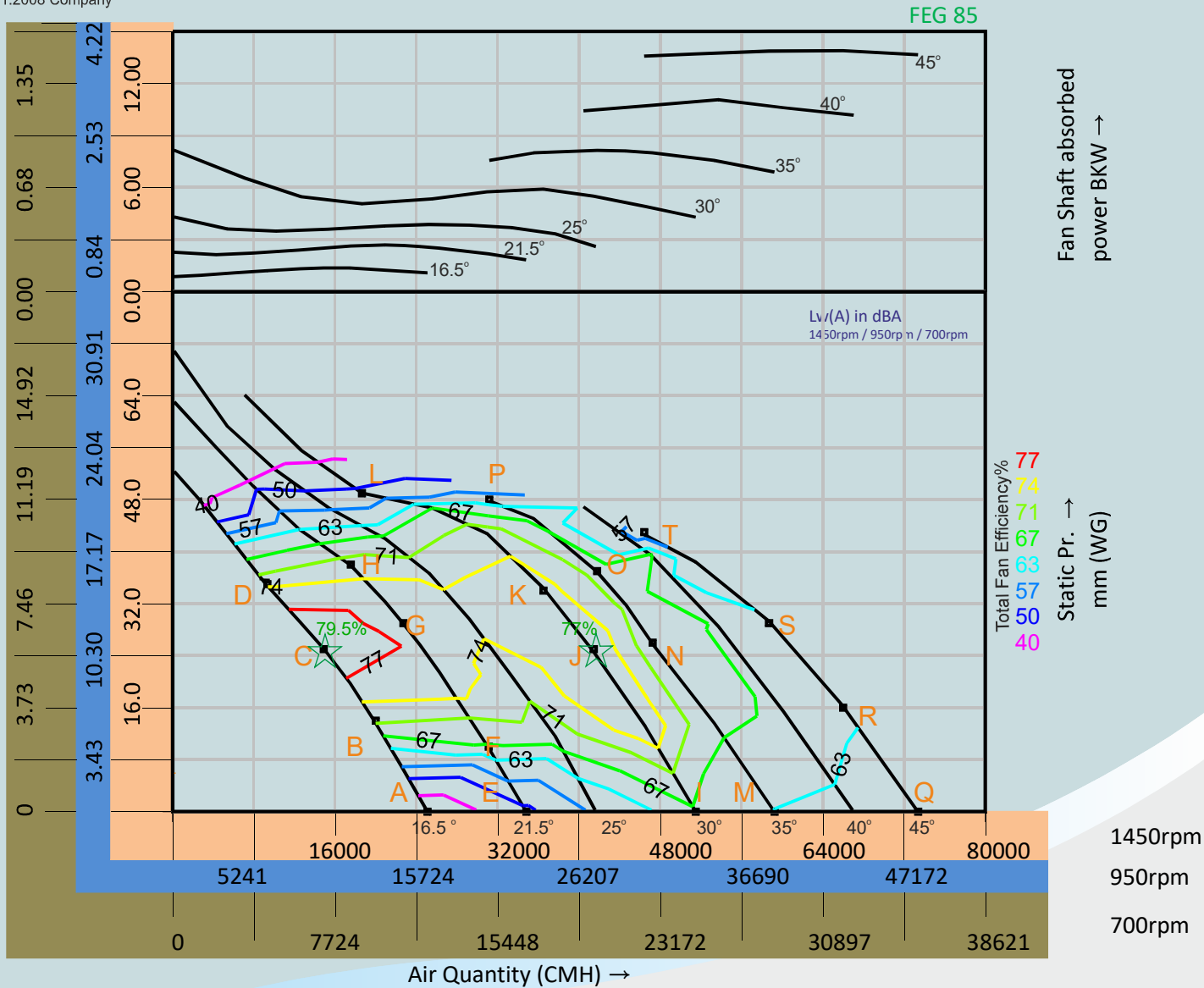


An ISO 9001:2008 Company

FAN MODEL : AFPV4GVX-1000-311-6

50Hz

Fan outlet and Inlet area: 0.7857 sq. mtr.



Air Flow Private Limited certifies that the Vane Axial Flow Fan series AFPV4GVX 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.

Performance certified is for installation type D - Ducted 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(A) sound power level for Installation Type D: Ducted inlet, Ducted outlet.

LwA in dBA		LwA in dBA		LwA in dBA		LwA in dBA		LwA in dBA		LwA in dBA		LwA in dBA	
1450/950/700rpm		1450/950/700rpm		1450/950/700rpm		1450/950/700rpm		1450/950/700rpm		1450/950/700rpm		1450/950/700rpm	
A	98 / 89 / 82	E	96 / 87 / 80	I	95 / 86 / 80	M	96 / 87 / 80	Q	100 / 89 / 82				
B	101 / 90 / 83	F	96 / 87 / 80	J	96 / 86 / 79	N	96 / 85 / 78	R	99 / 89 / 82				
C	100 / 89 / 81	G	102 / 91 / 83	K	102 / 91 / 83	O	99 / 88 / 81	S	100 / 90 / 82				
D	97 / 86 / 78	H	102 / 90 / 82	L	106 / 94 / 86	P	107 / 96 / 88	T	104 / 93 / 86				

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels A-weighted (Lw(A)) dB								Loudness in Sones	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			Overall
14855	25.1	1450	1.357	62	76	91	96	97	93	88	85	100	57	16.5°
51487	0	1450	4.291	64	79	83	86	91	89	88	88	95	52	30.0°
41438	24.6	1450	5.512	64	79	83	87	92	91	89	86	96	51	30.0°
31160	47.7	1450	7.562	70	79	97	103	104	99	94	87	107	89	35.0°

The sound ratings shown are loudness values in fan sones at a distance of 1.5m (5ft) in a hemispherical free field calculated per AMCA International Standard 301, values shown are for installation Type D: free inlet hemispherical sone levels.

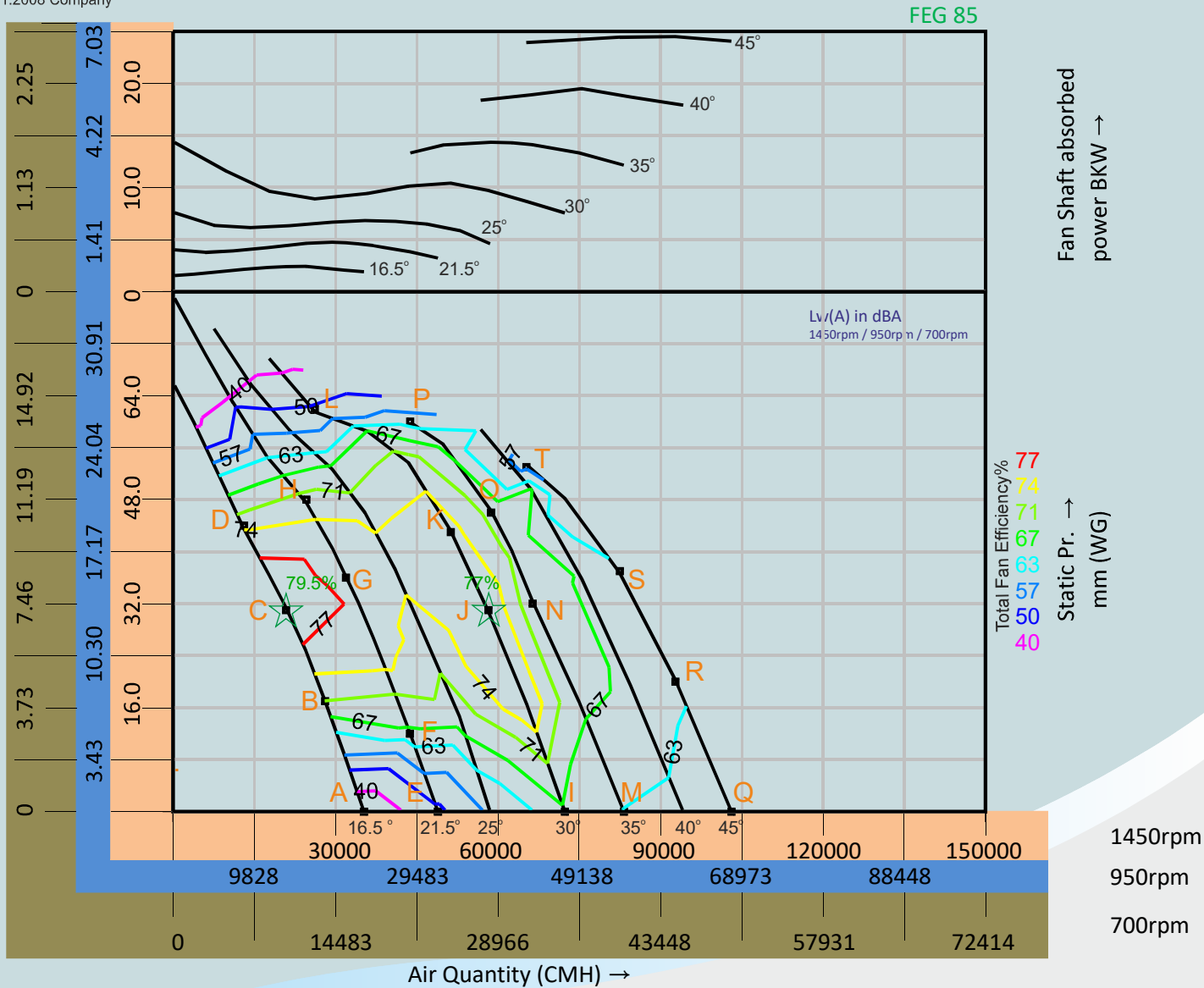


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FAN MODEL : AFPV4GVX-1120-348-6

50Hz

Fan outlet and Inlet area: 0.9856 sq. mtr.

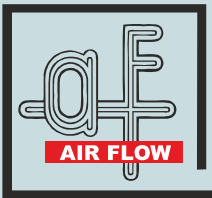


Air Flow Private Limited certifies that the Vane Axial Flow Fan series AFPV4GVX shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Performance certified is for installation type D - Ducted 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 LwA sound power level for Installation Type D: Ducted inlet, Ducted outlet.

LwA in dBA 1450/950/700rpm		LwA in dBA 1450/950/700rpm		LwA in dBA 1450/950/700rpm		LwA in dBA 1450/950/700rpm		LwA in dBA 1450/950/700rpm		LwA in dBA 1450/950/700rpm				
A	102 / 92 / 85	E	99 / 90 / 83	I	99 / 89 / 83	M	100 / 90 / 84	Q	103 / 93 / 85	R	103 / 93 / 85			
B	105 / 94 / 86	F	100 / 90 / 84	J	100 / 90 / 83	N	100 / 89 / 82	S	103 / 93 / 86	T	107 / 97 / 89			
C	104 / 93 / 85	G	105 / 94 / 87	K	105 / 94 / 86	O	102 / 92 / 84							
D	100 / 89 / 81	H	105 / 94 / 86	L	109 / 98 / 90	P	111 / 99 / 91							
CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels A-weighted (LwA) dB								Loudness in Sones	Blade Angle	
20870	31.5	1450	2.391	65	80	95	99	100	96	91	88	104	73	16.5°
72335	0	1450	7.563	68	82	86	90	94	93	92	92	99	66	30.0°
58217	30.9	1450	9.715	67	82	86	91	96	95	93	90	100	64	30.0°
43778	59.9	1450	13.326	74	82	100	107	107	103	98	91	111	116	35.0°

The sound ratings shown are loudness values in fan sones at a distance of 1.5m (5ft) in a hemispherical free field calculated per AMCA International Standard 301, values shown are for installation Type D: free inlet hemispherical sone levels.

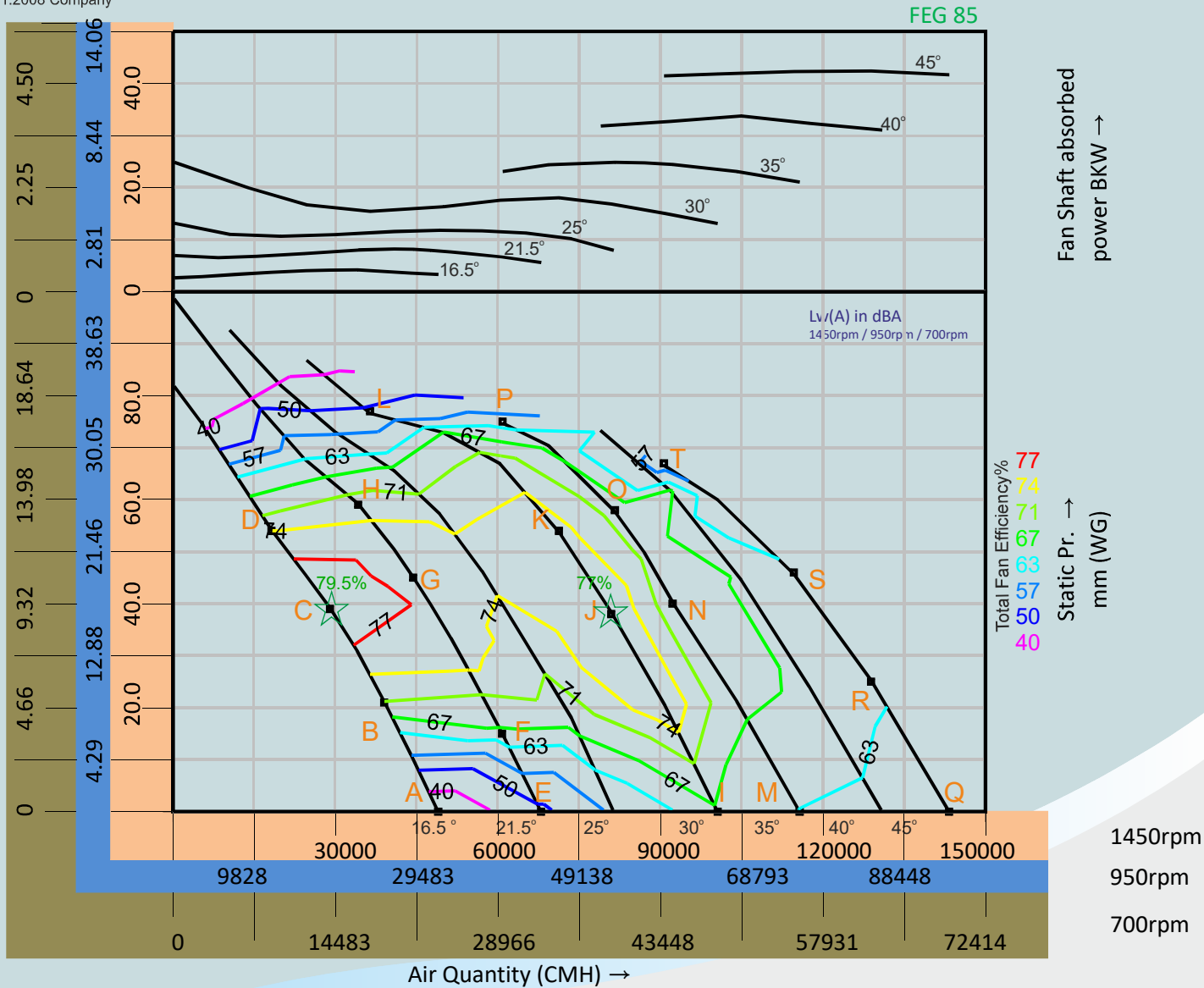


FAN MODEL : AFPV4GVX-1250-389-6

50Hz

Fan outlet and Inlet area: 1.2278 sq. mtr.

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Air Flow Private Limited certifies that the Vane Axial Flow Fan series AFPV4GVX 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.

Performance certified is for installation type D - Ducted 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_iA sound power level for Installation Type D: Ducted inlet, Ducted outlet.

LwA in dBA 1450/950/700rpm		LwA in dBA 1450/950/700rpm		LwA in dBA 1450/950/700rpm		LwA in dBA 1450/950/700rpm		LwA in dBA 1450/950/700rpm	
A	105 / 95 / 88	E	103 / 93 / 87	I	102 / 93 / 86	M	103 / 94 / 87	Q	106 / 96 / 88
B	108 / 97 / 90	F	103 / 94 / 87	J	103 / 93 / 86	N	103 / 92 / 85	R	106 / 96 / 89
C	107 / 96 / 88	G	108 / 98 / 90	K	108 / 97 / 90	O	106 / 95 / 88	S	107 / 96 / 89
D	103 / 93 / 84	H	109 / 97 / 89	L	112 / 101 / 93	P	114 / 103 / 95	T	111 / 100 / 92

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels A-weighted (Lw _i A) dB								Loudness in Sones	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			Overall
29013	39.2	1450	4.14	69	83	98	103	103	100	95	92	107	92	16.5°
100560	0	1450	13.096	72	85	89	93	98	96	95	95	102	84	30.0°
80933	38.4	1450	16.822	71	86	89	94	99	98	96	93	103	81	30.0°
60860	74.6	1450	23.076	77	86	104	110	111	106	101	94	114	149	35.0°

The sound ratings shown are loudness values in fan sones at a distance of 1.5m (5ft) in a hemispherical free field calculated per AMCA International Standard 301, values shown are for installation Type D: free inlet hemispherical sone levels.

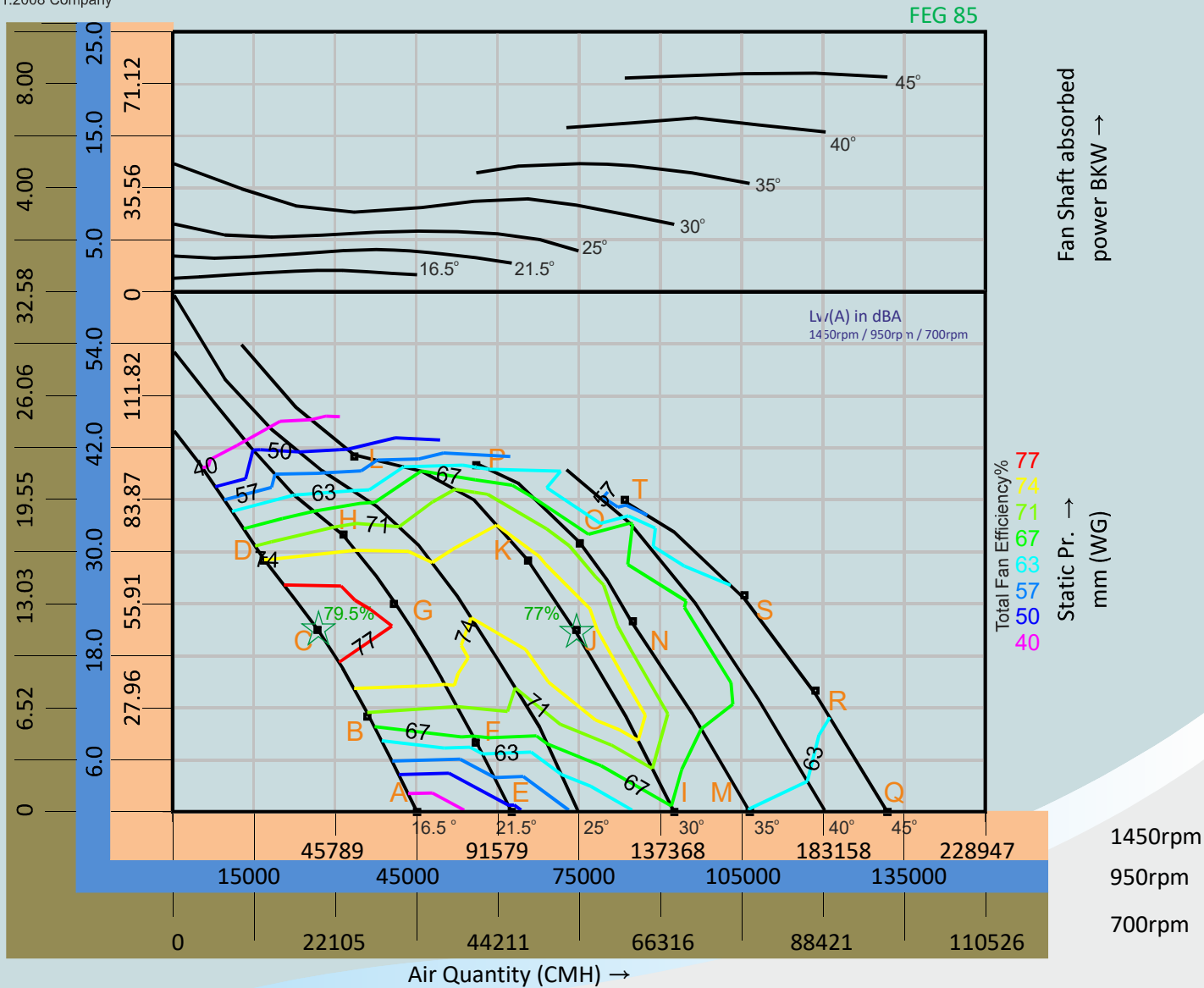


An ISO 9001:2008 Company

FAN MODEL : AFPV4GVX-1400-436-6

50Hz

Fan outlet and Inlet area: 1.5400 sq. mtr.



Air Flow Private Limited certifies that the Vane Axial Flow Fan series AFPV4GVX 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.

Performance certified is for installation type D - Ducted 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 LwA sound power level for Installation Type D: Ducted inlet, Ducted outlet.

LwA in dBA		LwA in dBA		LwA in dBA		LwA in dBA		LwA in dBA	
1450/950/700rpm		1450/950/700rpm		1450/950/700rpm		1450/950/700rpm		1450/950/700rpm	
A	109 / 99 / 92	E	106 / 97 / 90	I	105 / 96 / 90	M	107 / 97 / 90	Q	110 / 99 / 92
B	111 / 100 / 93	F	107 / 97 / 90	J	106 / 96 / 89	N	107 / 96 / 88	R	110 / 99 / 92
C	110 / 99 / 92	G	112 / 101 / 94	K	112 / 101 / 93	O	109 / 99 / 91	S	110 / 100 / 93
D	107 / 96 / 88	H	112 / 101 / 93	L	116 / 104 / 96	P	117 / 106 / 98	T	114 / 104 / 96

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels A-weighted (LwA) dB								Loudness in Sones	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			Overall
26705	21.1	950	2.052	66	81	92	96	95	91	88	85	99	56	16.5°
92563	0	950	6.491	69	80	82	89	90	90	90	90	96	59	30.0°
74496	20.7	950	8.338	69	80	83	90	92	91	90	87	96	53	30.0°
56020	40.1	950	11.437	69	84	98	103	102	97	92	85	106	84	35.0°

The sound ratings shown are loudness values in fan sones at a distance of 1.5m (5ft) in a hemispherical free field calculated per AMCA International Standard 301, values shown are for installation Type D: free inlet hemispherical sone levels.

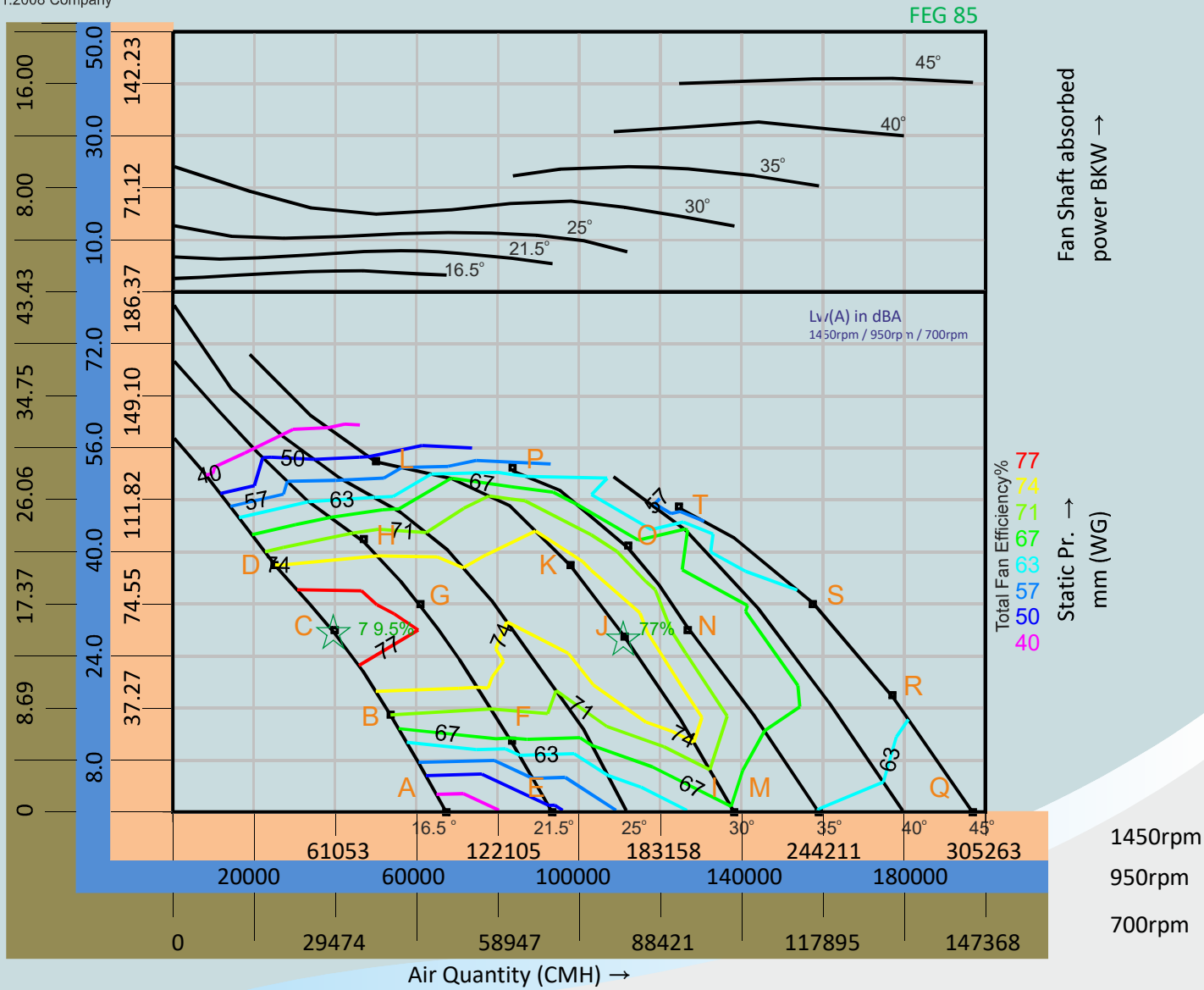


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FAN MODEL : AFPV4GVX-1600-498-6

50Hz

Fan outlet and Inlet area: 2.0114 sq. mtr.



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Performance certified is for installation type D - Ducted 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 LwA sound power level for Installation Type D: Ducted inlet, Ducted outlet.

LwA in dBA		LwA in dBA		LwA in dBA		LwA in dBA		LwA in dBA	
1450/950/700rpm		1450/950/700rpm		1450/950/700rpm		1450/950/700rpm		1450/950/700rpm	
A	113 / 103 / 96	E	110 / 101 / 94	I	109 / 100 / 94	M	111 / 101 / 94	Q	114 / 103 / 96
B	115 / 105 / 97	F	111 / 101 / 94	J	110 / 100 / 93	N	111 / 100 / 92	R	114 / 103 / 96
C	114 / 103 / 96	G	116 / 105 / 98	K	116 / 105 / 97	O	113 / 103 / 95	S	114 / 104 / 97
D	111 / 100 / 92	H	116 / 105 / 97	L	120 / 108 / 100	P	121 / 110 / 102	T	118 / 108 / 100

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels A-weighted (LwA) dB								Loudness in Sones	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			Overall
39864	27.6	950	4.000	71	85	96	100	99	95	92	89	103	75	16.5°
138170	0	950	12.655	73	84	86	93	94	94	95	95	100	78	30.0°
111201	27.0	950	16.256	73	84	87	94	96	95	94	91	100	70	30.0°
83622	52.4	950	22.298	73	88	102	107	106	101	96	89	110	113	35.0°

The sound ratings shown are loudness values in fan sones at a distance of 1.5m (5ft) in a hemispherical free field calculated per AMCA International Standard 301, values shown are for installation Type D: free inlet hemispherical sone levels.

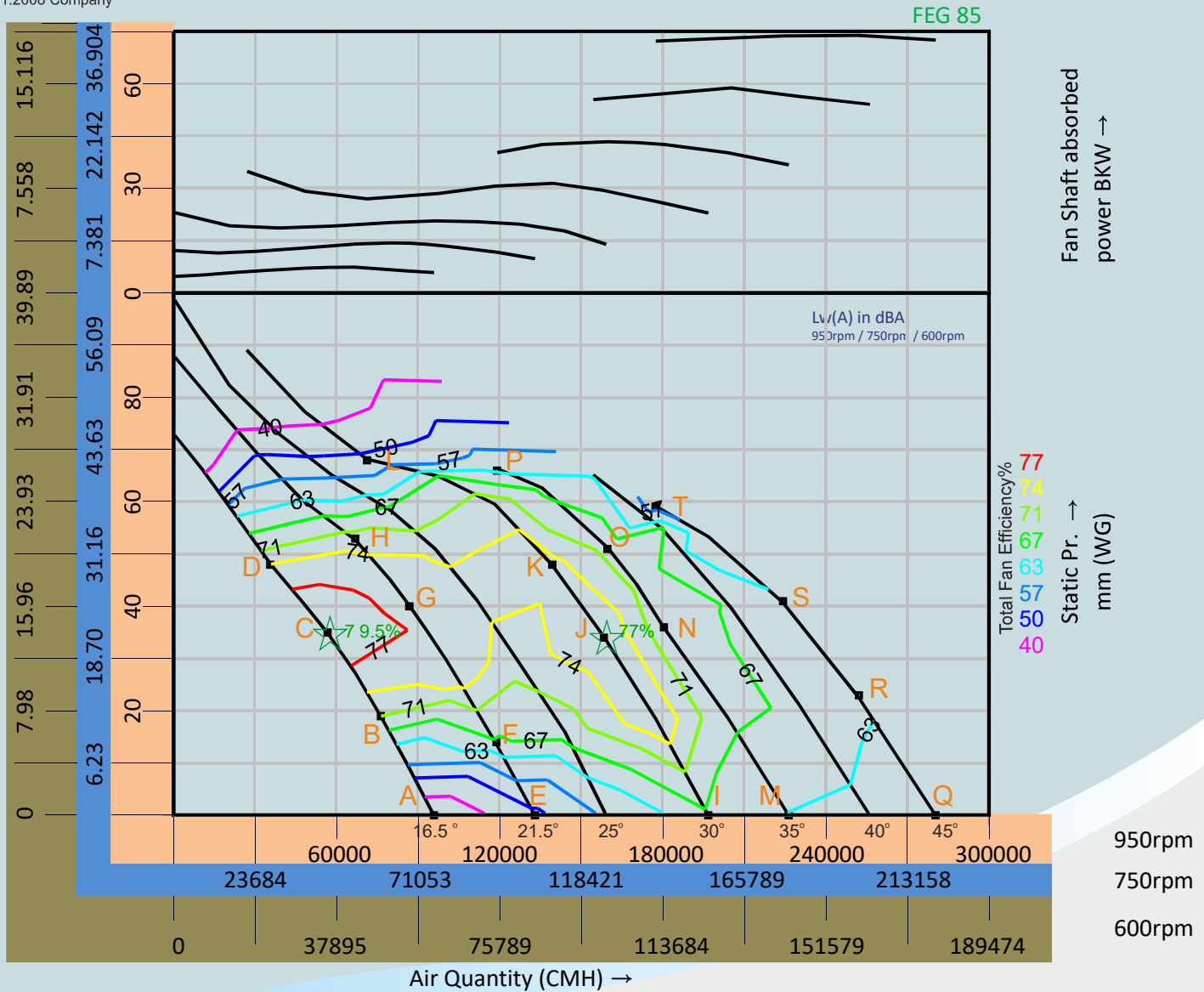


An ISO 9001:2008 Company

FAN MODEL : AFPV4GVX-1800-560-6

50Hz

Fan outlet and Inlet area: 2.5457 sq. mtr.



Air Flow Private Limited certifies that the Vane Axial Flow Fan series AFPV4GVX 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.

Performance certified is for installation type D - Ducted 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 LwA sound power level for Installation Type D: Ducted inlet, Ducted outlet.

LwA in dBA		LwA in dBA		LwA in dBA		LwA in dBA		LwA in dBA	
950/750/600rpm		950/750/600rpm		950/750/600rpm		950/750/600rpm		950/750/600rpm	
A	106 / 101 / 96	E	104 / 99 / 94	I	104 / 99 / 94	M	105 / 99 / 95	Q	107 / 101 / 96
B	108 / 103 / 97	F	105 / 100 / 94	J	104 / 99 / 93	N	103 / 98 / 92	R	107 / 101 / 96
C	107 / 101 / 95	G	109 / 103 / 97	K	108 / 103 / 97	O	106 / 101 / 95	S	108 / 102 / 96
D	104 / 97 / 92	H	108 / 102 / 96	L	112 / 106 / 100	P	114 / 108 / 101	T	111 / 105 / 99

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels A-weighted (LwA) dB								Loudness in Sones	Blade Angle	
				63	125	250	500	1000	2000	4000	8000			Overall
44810	21.77	750	3.547	70	88	94	98	96	92	90	88	101	66	16.5°
155313	0	750	11.221	72	80	84	92	92	92	94	94	99	71	30.0°
124999	21.33	750	14.414	72	80	85	93	94	93	92	89	99	61	30.0°
93997	41.36	750	19.772	72	93	101	105	102	98	93	86	108	97	35.0°

The sound ratings shown are loudness values in fan sones at a distance of 1.5m (5ft) in a hemispherical free field calculated per AMCA International Standard 301, values shown are for installation Type D: free inlet hemispherical sone levels.

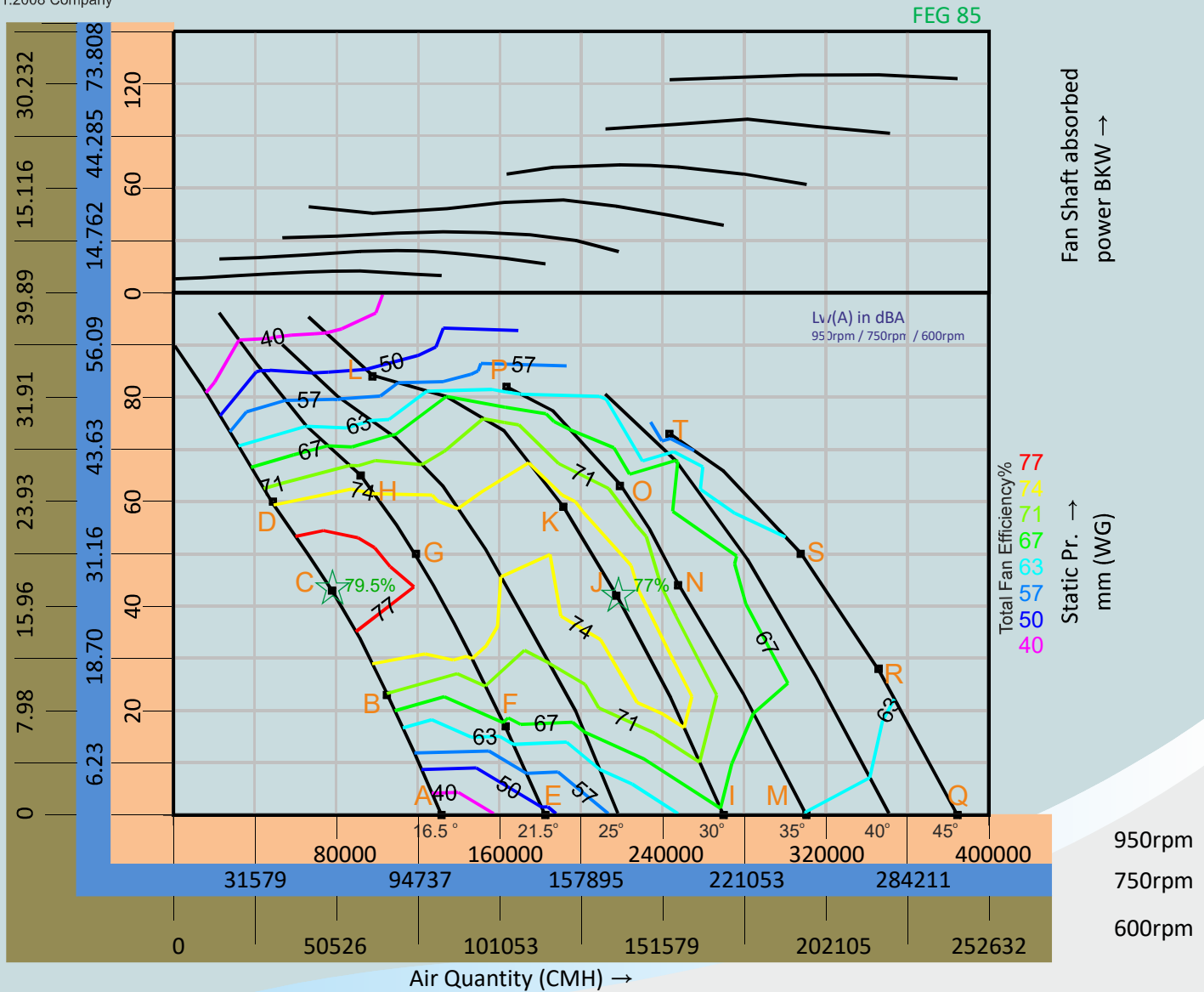


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FAN MODEL : AFPV4GVX-2000-622-6

50Hz

Fan outlet and Inlet area: 3.1429 sq. mtr.



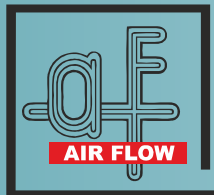
Air Flow Private Limited certifies that the Vane Axial Flow Fan series AFPV4GVX shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Performance certified is for installation type D - Ducted 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 LwA sound power level for Installation Type D: Ducted inlet, Ducted outlet.

LwA in dBA		LwA in dBA		LwA in dBA		LwA in dBA		LwA in dBA	
950/750/600rpm		950/750/600rpm		950/750/600rpm		950/750/600rpm		950/750/600rpm	
A	110 / 104 / 99	E	108 / 102 / 97	I	107 / 102 / 97	M	108 / 103 / 98	Q	110 / 104 / 99
B	111 / 106 / 100	F	108 / 103 / 98	J	107 / 102 / 97	N	107 / 101 / 95	R	110 / 105 / 99
C	110 / 104 / 98	G	112 / 106 / 100	K	112 / 106 / 100	O	109 / 104 / 98	S	111 / 105 / 100
D	107 / 100 / 95	H	111 / 105 / 99	L	115 / 109 / 103	P	117 / 111 / 105	T	114 / 108 / 103

CMH	St. Pr. mmWG	RPM	BKW	Sound Power Levels A-weighted (LwA) dB										Loudness in Sones	Blade Angle
				63	125	250	500	1000	2000	4000	8000	Overall			
61467	26.88	750	6.007	73	91	97	101	99	95	94	91	104	82	16.5°	
213050	0.00	750	19.003	75	83	87	95	95	95	97	97	102	90	30.0°	
171466	26.33	750	24.410	75	83	88	96	97	96	95	92	102	76	30.0°	
128940	51.07	750	33.484	76	96	104	108	105	101	96	89	111	124	35.0°	

The sound ratings shown are loudness values in fan sones at a distance of 1.5m (5ft) in a hemispherical free field calculated per AMCA International Standard 301, values shown are for installation Type D: free inlet hemispherical sone levels.



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