

TFA
series



Adjustable Pitch Angle Axial Fan



GTG Industries Sdn Bhd certifies that the model: TFA 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. The AMCA Certified Ratings Seal applies to air performance and sound for all Model : TFA.

The AMCA Certified Ratings Seal applies to FEG for model TFA on page 11-32 only.



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Standard Features



- A** Aerofoil impeller featured with adjustable pitch angle
- B** Precision die cast Aluminium hub and blades
- C** Optional short and long casing model with hot dip galvanized steel to ISO 1461 & BS 729
- D** High strength and rigidity spun flanges design
- E** Terminal box in IP 55 mounted externally on casing for easy wiring termination
- F** Equipped with single or three-phase motor in IP 55 and class F insulation
- G** Suitable for operating temperature up to 55 degree C

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EWFA CERTIFICATE OF TEST		CERTIFICATE No : SFC 2144500a.6	Page 1 of 1
Report Sponsor	Certificate Issue Date		
GTG Industries Sdn. Bhd. 25-2, 1st Floor, Jalan PLUS/30A, Surway Damansara Technology Park, 47810 Petaling Jaya, Selangor	03/04/2013		
Introduction			
The element of construction described below was tested by this laboratory on behalf of the test sponsor in accordance with the stated test standard and achieved the results stated below. Refer to the referenced test report for further information.			

Reference Reports	Report Date	Test
WFR 2144500a.1	24/09/07	BS73
Description of Test		
TEST ASSEMBLY - The test assembly comprised an element within an instrumented section of duct. TEST SPECIMEN - The axial fan was a GTG Model No. T within a fan casing (of nominal ID 1250 mm). Other model the manufacturer to be WELAIRE - TFA 1250/420/4-10" in the fan impeller consisted of 4 aluminium blades with a pitch angle of 15°. The tested motor was a JEM Squirrel Cage Induction Motor 415 V / 50 Hz with a maximum FLC at ambient of 0.70, maximum rated speed was 1440 rpm. The frame size was ORIENTATION - The specimen was installed with the fan in Refer to the full report, WFR 2144500a.1, for a complete behaviour.		
Test Results		
Structural	No failure at 120 minutes	
Electrical	No failure at 120 minutes	
Aerodynamic	No failure at 120 minutes	
Fire Rating Classification	B	

THIS CERTIFICATE IS PROVIDED FOR GENERAL INFORMATION ONLY AND DOES NOT COMPLY WITH THE REGULATORY REQUIREMENTS FOR EVIDENCE OF CD. Reference should be made to the relevant test report to determine the applicability of the test result to a proposed installation. The results of these fire tests may be used to assist in the design of a fire hazard assessment but a full assessment of fire hazard will not provide a full assessment of fire hazard.

TESTING AUTHORITY
Address: Exova Warringtonfire Aus Pty Ltd
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EWFA CERTIFICATE OF TEST		CERTIFICATE No : SFC 2143800.2	Page 1 of 1
Report Sponsor	Certificate Issue Date		
GTG Industries Sdn. Bhd. 25-2, 1st Floor, Jalan PLUS/30A, Surway Damansara Technology Park, 47810 Petaling Jaya, Selangor, Malaysia	16/11/2012		

Reference Reports	Report Date	Test Standard	Significant Variations from standard test procedures and conditions
EWFA 2143800.3	16/11/2012	BS7346 Part 2: 1992	None

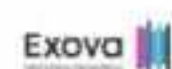
TEST ASSEMBLY - The test assembly comprised an electrically powered axial fan within a fan casing and installed within an instrumented section of duct.
TEST SPECIMEN - The axial fan was a GTG Model No. TFA 5ri powered by an electric motor contained within a fan casing (of nominal ID 1000 mm). The fan impeller consisted of 5 aluminium blades with a pitch angle of 15° and a nominal clearance of 15 mm to the inside of the fan casing.
The tested motor was a TECO Squirrel Cage Induction Motor Model No. AEES YH000 powered by an electrical supply of 415 V / 50 Hz with a maximum FLC at ambient of 10.9 Amps and the rated wattage was 5.5 kW (7.5 HP). The maximum rated speed was 1440 rpm. The frame size was 132S.
ORIENTATION - The specimen was installed with the fan drawing air from the furnace over the electric motor.
Refer to the full report, EWFA 2143800.2, for a complete description of the test specimen construction and significant behaviour.

Test Results	
Structural	No failure at 120 minutes
Electrical	No failure at 120 minutes
Aerodynamic	No failure at 120 minutes
Fire Rating Classification	B

Notes
THIS CERTIFICATE IS PROVIDED FOR GENERAL INFORMATION ONLY AND DOES NOT COMPLY WITH THE REGULATORY REQUIREMENTS FOR EVIDENCE OF COMPLIANCE. Reference should be made to the relevant test report to determine the applicability of the test result to a proposed installation. The results of these fire tests may be used to assist in the design of a fire hazard assessment but a full assessment of fire hazard will not provide a full assessment of fire hazard under all conditions.

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Reviewed by: K.G. Nettle

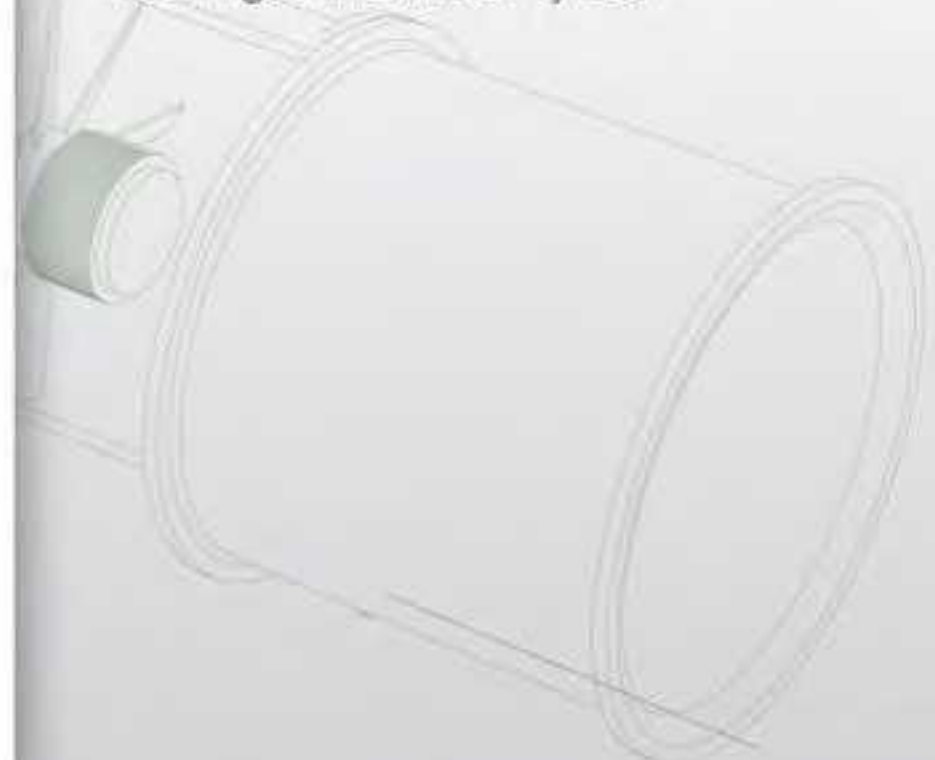
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Smoke Spill Application

(on request)

The GTG TFA Series can be used for smoke spill applications. The fan with class H insulation is capable of withstanding up to 250°C for 2 hours in accordance to BS7346 : Part 2, which was tested by Exova Warringtonfire Aus Pty Ltd



Adjustable Pitch Axial Fans

GTG® fully adjustable pitch fans are available in a full range of metric sizes from 315mm diameter up to 1600mm diameter and capable of delivering air quantities up to 70m³/s. Fan diameters beyond 1600mm are available on request only.

The wide range of diameters, blade configurations, pitch angles and motor speeds, allow accurate selection of the fan to match the specific duty.

Pitch angle adjustment can be readily carried out on site allowing the fan performance to be modified to the final system resistance.

Whilst the standard range of axial fans cover most applications, purpose designed casings and mountings are available. Casings are manufactured from mild steel and hot dipped galvanized (as standard) or epoxy powder coated (on request) after manufacture. Flanges are where possible integrally rolled from the casing material for greater strength and stability.

MODEL RANGE

- TFA - Tube Axial



- TFA-Q Series - Plate Axial



Standard Product SPECIFICATION

Casings shall be of mild steel, galvanised sheet, hot dipped galvanised or epoxy powder coated after manufacture. Impellers are manufactured from high pressure die cast aluminums, with blades matched and balanced for vibration free operation.

CONSTRUCTION

- Casing of mild steel hot dipped galvanised, galvanised sheet or epoxy powder coated after manufacture for corrosion protection.
- Flanges are rolled from the casing material or rolled from flat bar and welded to the case, prior to galvanising.
- Motor brackets or pedestals are available either bolted or welded to the casing, subject to motor size.

Adjustable Pitch Axial Fans

IMPELLER

- Pitch adjustment is infinitely variable over a wide range typically 10° to 40°
- Standard blade construction is high pressure die cast aluminum alloy, x-raying to ensure flawless structure is optional.
- Blades are friction mounted within the hub and secured with high tensile zinc plated bolts and self locking nuts.
- The hubs are fixed with taper-lock bush to suit each motor shaft.
- Impellers are available with 4 to 14 blades dependent upon application.
- Blades are matched and balanced for vibration free operation.
- Maximum continuous operating temperature. (With no radiant heat)
- Smoke Spill – Only aluminum impellers are suitable for smoke spill application.

MOTORS

Motors are typically foot mounted air stream rated, squirrel cage induction type, T.E. 3 phases 415v, 50Hz. Motors are normally supplied for the temperature range of -35°C to +40°C and normally wound to class F Insulation and IP55 protection for standard operation, however, options are available for a varying range of applications including :

- Single phase
- Explosion proof
- High temperature
- Smoke spill
- Special voltage
- Special frequency
- Speed control
- 2 speed
- Thermal Overload protection
- Special insulation



APPLICATION

- General air movement
- Supply and Exhaust
- Smoke Spill & Fire Service
- Dust extraction



OPTIONS

- Inlet and discharge cones
- Inlet and discharge guards
- Flexible Connections
- Matching flanges
- Mounting feet
- Vibration isolation mounts
- Access panels
- External Terminal Box
(not available for hazardous zone application)
- Sound attenuators

PERFORMANCE DATA

Performance data is for model "TFA" tube axial products, type "D" installation – ducted inlet, ducted outlet.



PRODUCT IDENTIFICATION

TFA 630/150/10/25

A	- Model Tube Axial
630	- Case Diameter
150	- Hub Diameter
10	- No. of Blades
25	- Blade angle

AIR FLOW DESIGNATION



From " B " is standard Air Flow.
If from " A " is required please nominate at time of order.

REVERSE ROTATION

Rotating the impeller in reverse will result in the direction of the air being reversed, reduction in volume approx. 35%, reduction in pressure approx. 55% and reduction of power approx. 25%. The performance of reverse rotation are not licensed by AMCA International.

TRULY REVERSIBLE

Where applications require equal air flow quantity in both directions installation of alternate blades of 180° will result in a reduction of air quantity of approx 15%. The performance of truly reversible are not licensed by AMCA International.

Guide To Fan Selection



This catalogue tabulates the performance of GTG™ products in accordance with the limitations nominated. It is assumed that the user is familiar with and competent to use the information provided. If in doubt, your local GTG™ office will be pleased to assist.

Established the required air quantity in m³/h and system static resistance in Pa.

INDIVIDUAL FAN CURVE

Plot the duty point on the individual fan curves to select.

- Fan diameter
- Number of blades
- Power consumption (kW)
- Fan speed
- Pitch angle
- Sound pressure at 3m (dBA)

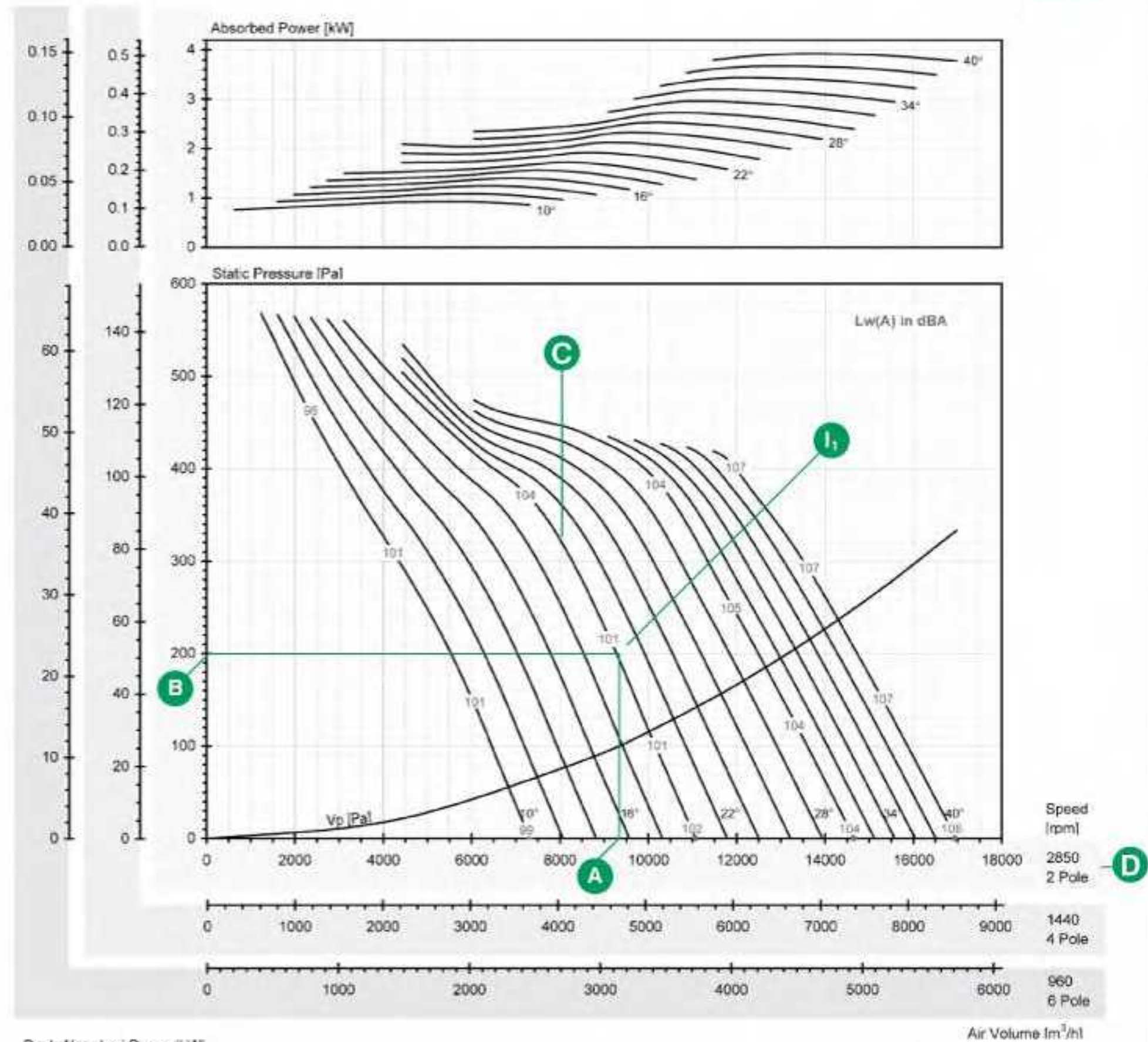
EXAMPLE

- (A) Duty Air Quantity 9,300 m³/h
- (B) Duty Static Resistance 200Pa
- (C) Fan Pitch Angle 20°
- (D) Fan speed 2850 rpm (2 Pole)
- (E) Absorbed Power 1.72 kW
- (F) Motor Selected 2.2 kW
- (G) Fan Diameter 630mm, Hub Diameter 150mm
- (H) Fan solidity 5 blades
Fan selected : TFA Series 630/150/5/20°
- (I) Sound Pressure at 3m = $I_1 + I_2 = 101 + (-20) = 81\text{dBA}$ where I_1 is the sound pressure value on curve whichever higher than selection point

Adjustable Pitch Angle Axial Fan

SERIES TFA 630-5
Impeller Code : 630/150
Size : 630mm

50Hz



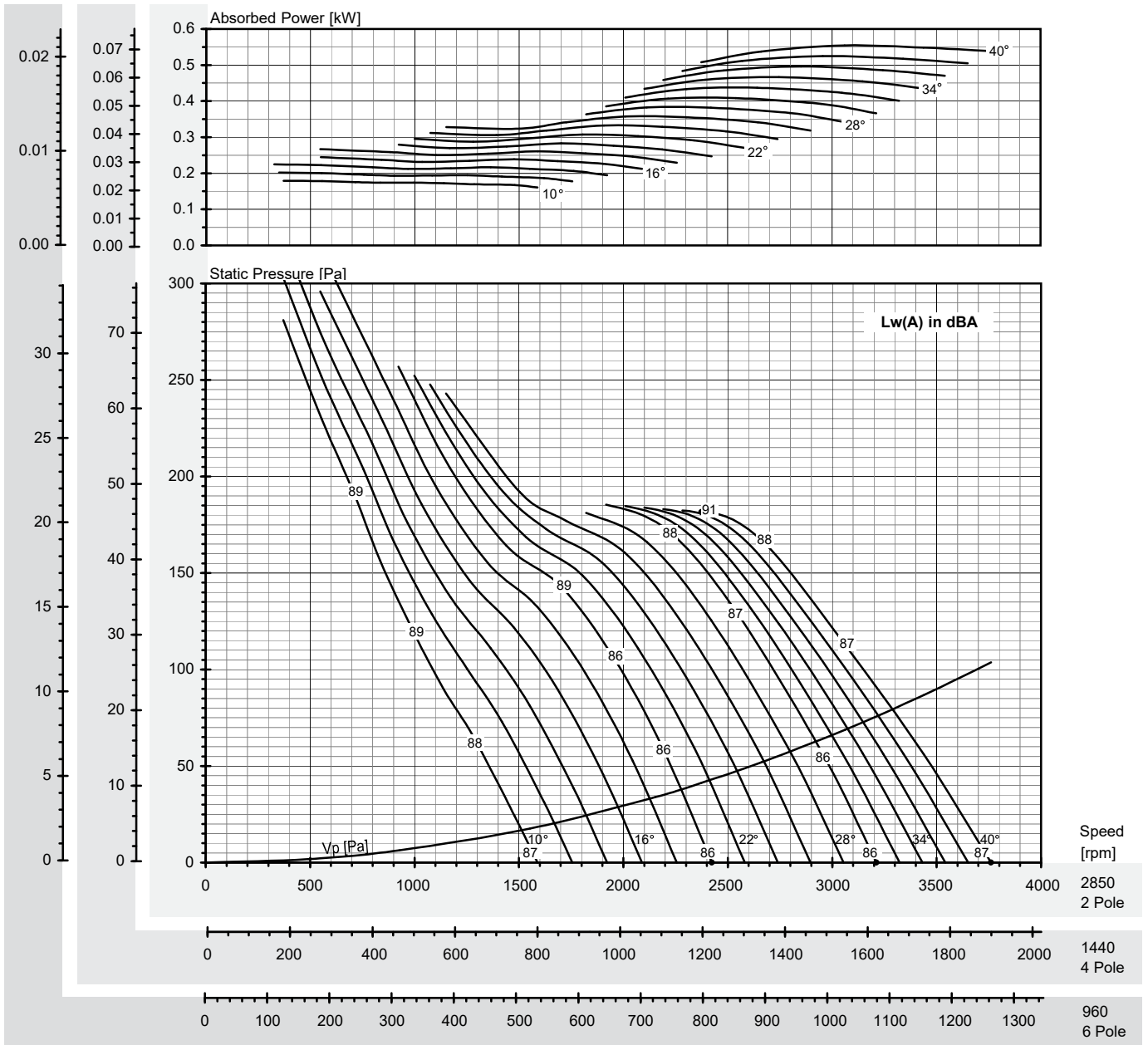
N (rpm)	Blade Pitch Angle																Lw(A) In dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.035	0.041	0.047	0.054	0.060	0.066	0.073	0.081	0.089	0.096	0.104	0.113	0.122	0.131	0.140	0.150	-29	-48
1440 motor	0.119	0.140	0.160	0.181	0.201	0.222	0.248	0.274	0.299	0.325	0.351	0.381	0.411	0.442	0.474	0.506	-18	-38
2850 motor	0.92	1.08	1.24	1.40	1.58	1.72	1.92	2.12	2.32	2.52	2.72	2.95	3.19	3.43	3.68	3.92	0	-20
	1.1	1.5				2.2				3				4				

Adjustable Pitch Angle Axial Fan

SERIES TFA 315-5

Impeller Code : 315/150
Size : 315mm

50Hz



Peak Absorbed Power (kW)

Air Volume m³/h

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.007	0.008	0.008	0.009	0.010	0.011	0.012	0.013	0.014	0.015	0.016	0.017	0.018	0.019	0.020	0.021	-28	-48
1440 motor	0.023	0.026	0.029	0.032	0.034	0.037	0.040	0.043	0.046	0.049	0.053	0.056	0.060	0.064	0.068	0.071	-18	-38
2850 motor	0.178	0.200	0.222	0.245	0.267	0.283	0.308	0.333	0.357	0.382	0.408	0.437	0.467	0.496	0.525	0.554	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international

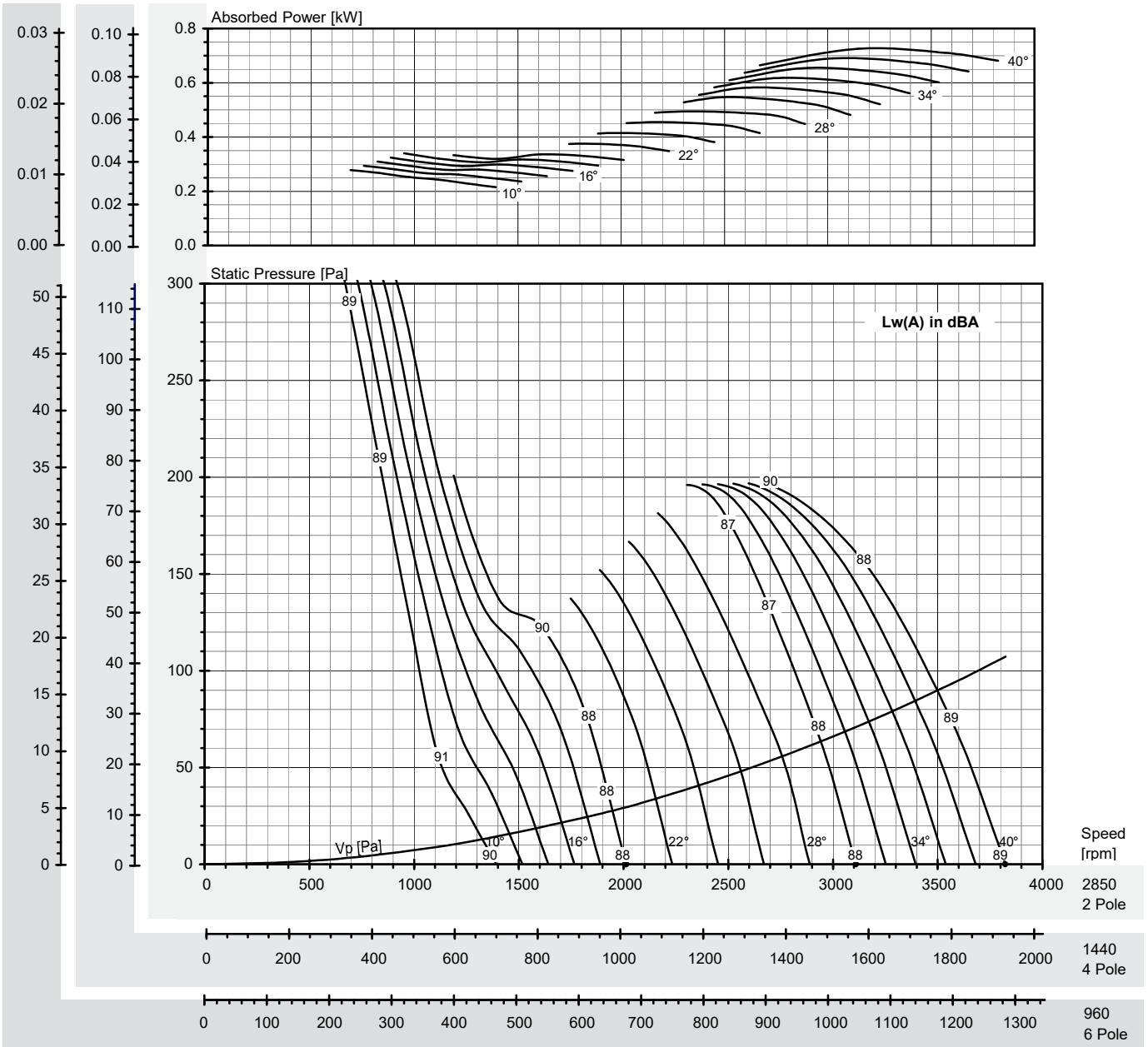


Adjustable Pitch Angle Axial Fan

SERIES TFA 315-10

Impeller Code : 315/150
Size : 315mm

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.011	0.011	0.012	0.012	0.013	0.014	0.014	0.016	0.017	0.019	0.021	0.022	0.024	0.025	0.026	0.028	-28	-48
1440 motor	0.036	0.038	0.040	0.042	0.044	0.046	0.048	0.053	0.058	0.063	0.071	0.075	0.080	0.084	0.089	0.094	-18	-38
2850 motor	0.278	0.294	0.309	0.325	0.340	0.356	0.374	0.413	0.451	0.489	0.548	0.583	0.619	0.654	0.690	0.725	0	-20

Air Volume [m³/h]

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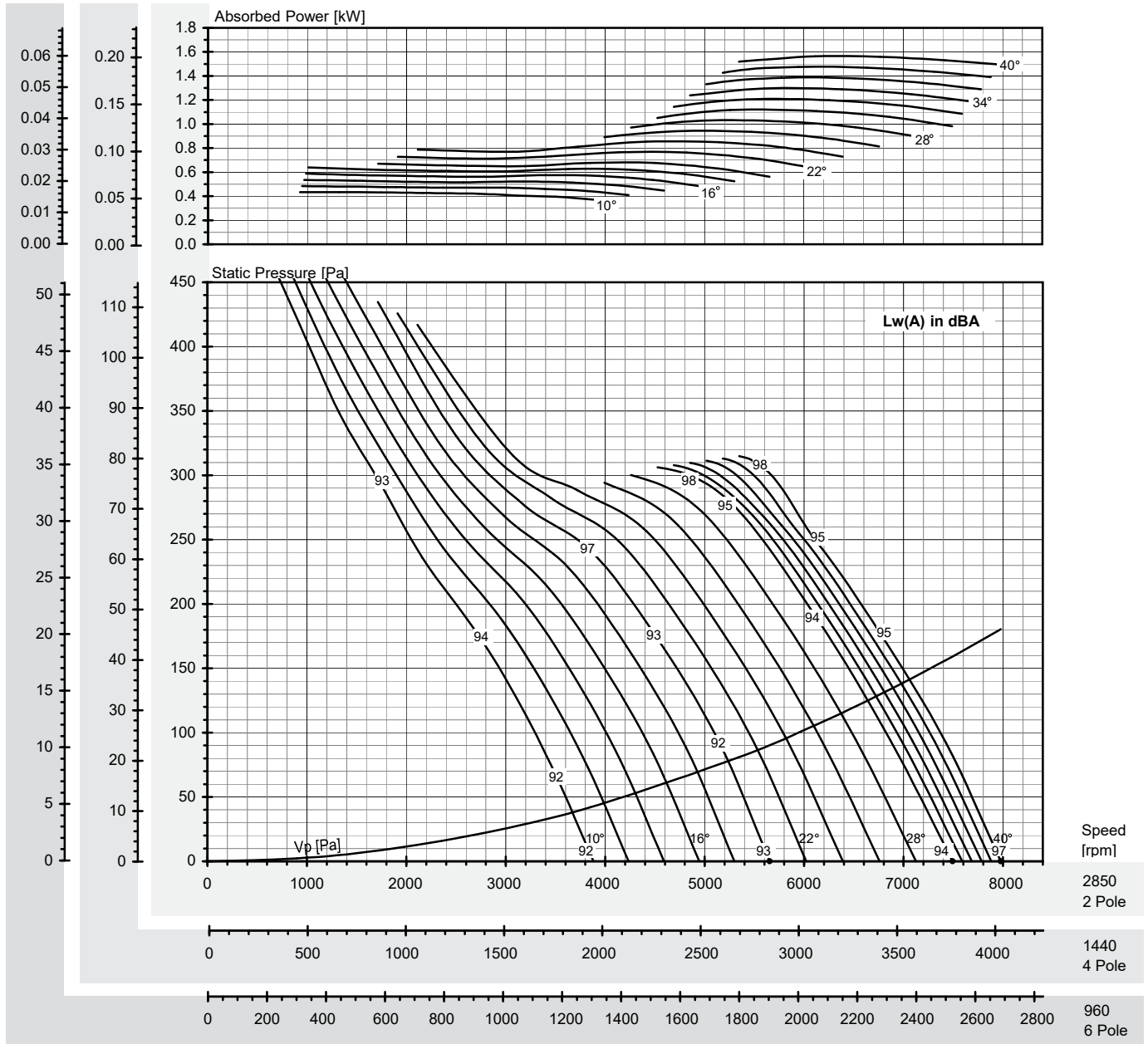


Adjustable Pitch Angle Axial Fan

SERIES TFA 400-5

Impeller Code : 400/150
Size : 400mm

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.017	0.018	0.020	0.022	0.024	0.026	0.029	0.033	0.036	0.039	0.043	0.046	0.049	0.053	0.056	0.060	-29	-49
1440 motor	0.056	0.062	0.069	0.076	0.082	0.087	0.099	0.110	0.121	0.133	0.144	0.156	0.167	0.179	0.190	0.202	-18	-38
2850 motor	0.43	0.48	0.54	0.59	0.64	0.68	0.77	0.85	0.94	1.03	1.12	1.21	1.30	1.39	1.48	1.56	0	-20

Air Volume [m³/h]

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international

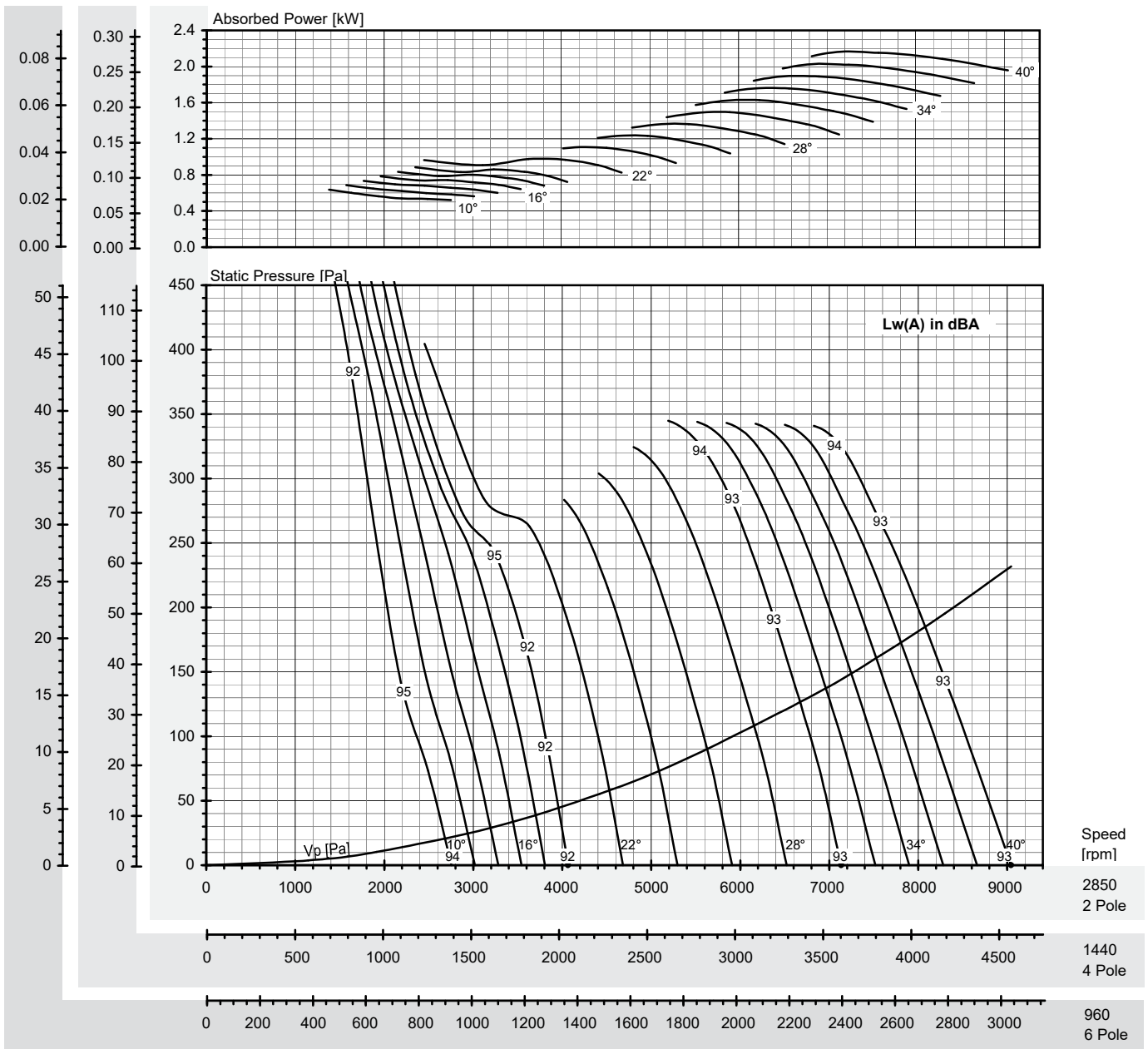


SERIES TFA 400-10

Impeller Code : 400/150
Size : 400mm

Adjustable Pitch Angle Axial Fan

50Hz



Peak Absorbed Power (kW)

Air Volume [m³/h]

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.025	0.028	0.030	0.032	0.035	0.037	0.037	0.042	0.047	0.052	0.057	0.062	0.067	0.072	0.077	0.082	-27	-47
1440 motor	0.085	0.093	0.101	0.109	0.117	0.125	0.126	0.142	0.159	0.176	0.193	0.210	0.227	0.244	0.261	0.278	-17	-37
2850 motor	0.66	0.72	0.78	0.84	0.91	0.97	0.98	1.10	1.23	1.36	1.50	1.63	1.76	1.89	2.02	2.15	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



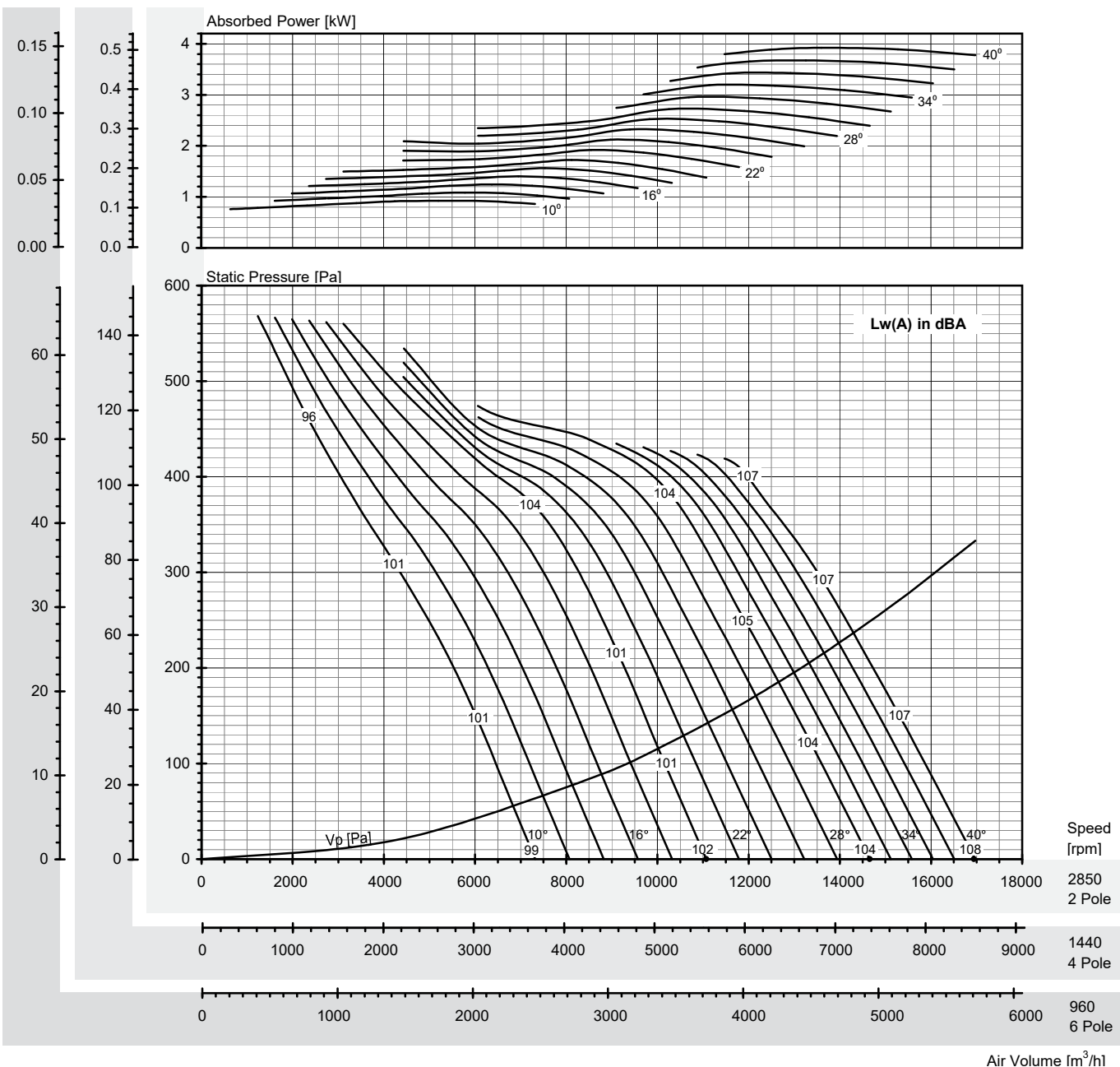
Adjustable Pitch Angle Axial Fan

SERIES TFA 500-5

Impeller Code : 500/150
Size : 500mm

FEG 56

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.035	0.041	0.047	0.054	0.060	0.066	0.073	0.081	0.089	0.096	0.104	0.113	0.122	0.131	0.140	0.150	-29	-49
1440 motor	0.119	0.140	0.160	0.181	0.201	0.222	0.248	0.274	0.299	0.325	0.351	0.381	0.411	0.442	0.474	0.506	-18	-38
2850 motor	0.92	1.08	1.24	1.40	1.56	1.72	1.92	2.12	2.32	2.52	2.72	2.95	3.19	3.43	3.68	3.92	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
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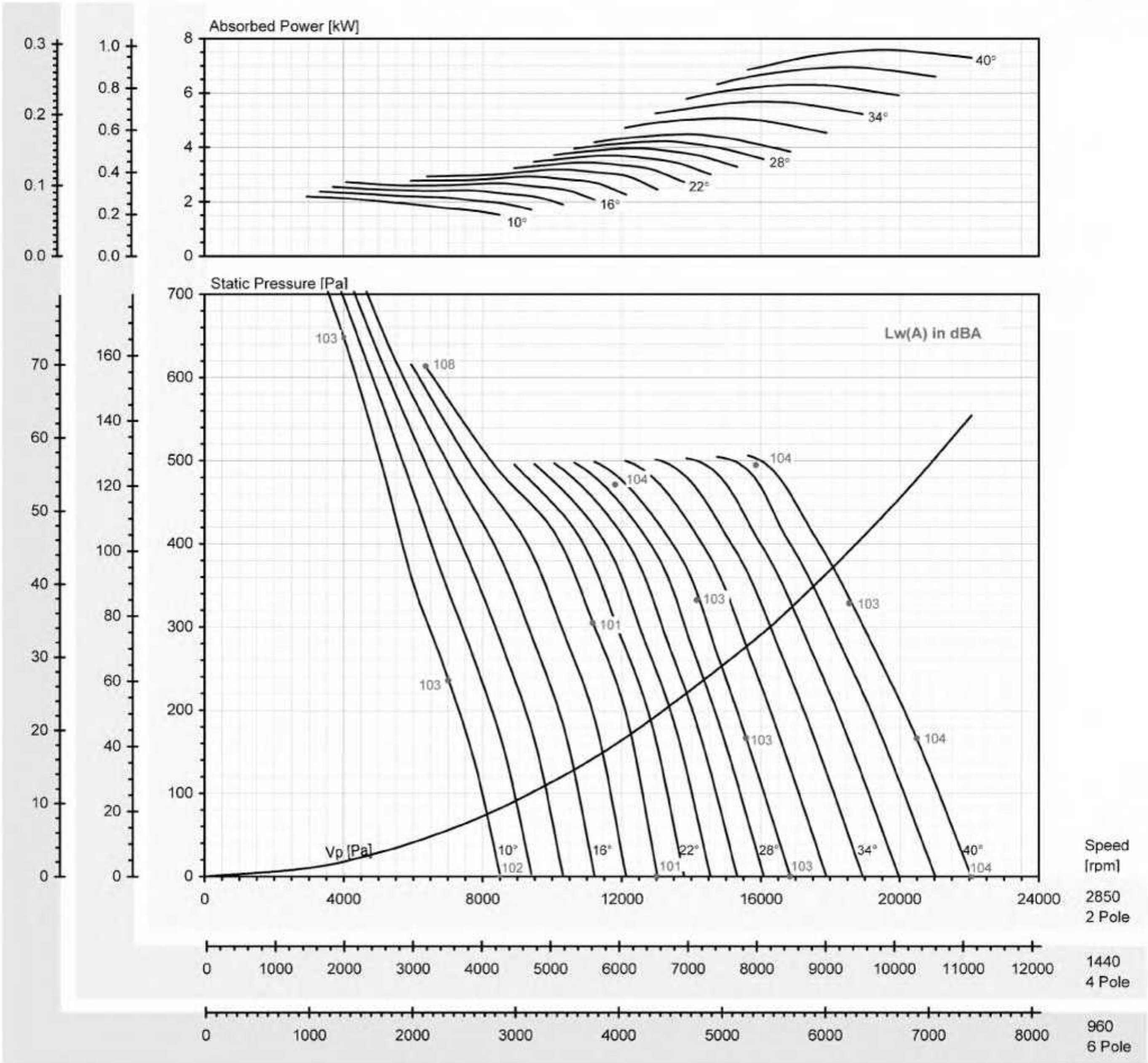
Adjustable Pitch Angle Axial Fan

SERIES TFA 500-10

Impeller Code : 500/150
Size : 500mm

FEG 53

50Hz



Peak Absorbed Power (kW)

Air Volume [m³/h]

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.084	0.091	0.097	0.104	0.112	0.122	0.131	0.141	0.151	0.161	0.171	0.193	0.216	0.241	0.265	0.290	-28	-48
1440 motor	0.283	0.306	0.328	0.351	0.377	0.410	0.444	0.477	0.510	0.544	0.577	0.652	0.730	0.813	0.896	0.979	-17	-37
2850 motor	2.19	2.37	2.54	2.72	2.93	3.18	3.44	3.70	3.96	4.21	4.47	5.05	5.66	6.30	6.95	7.59	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
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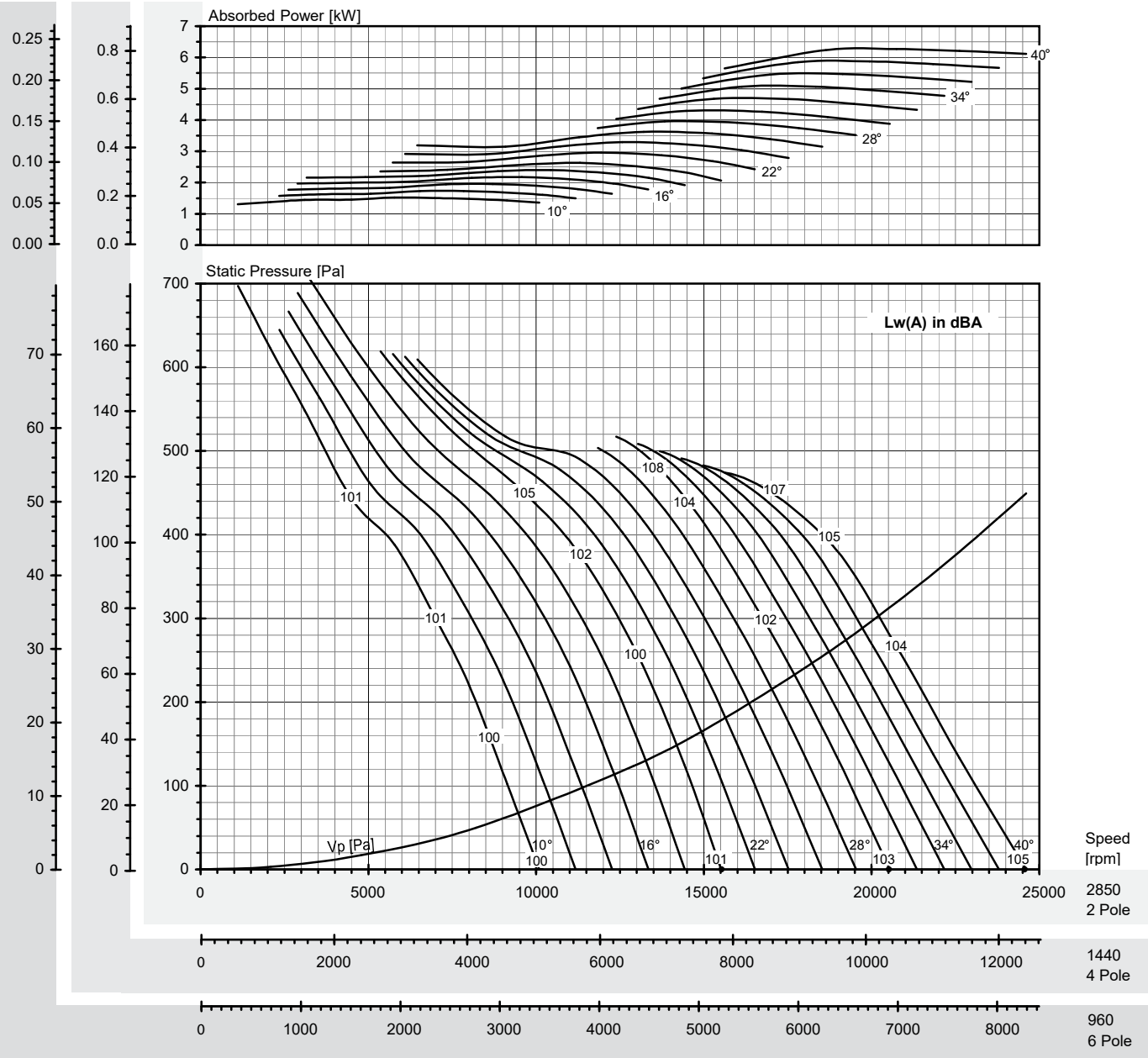
Adjustable Pitch Angle Axial Fan

SERIES TFA 560-5

Impeller Code : 560/150
Size : 560mm

FEG 60

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.06	0.07	0.07	0.08	0.09	0.10	0.11	0.13	0.14	0.15	0.16	0.18	0.19	0.21	0.22	0.24	-28	-48
1440 motor	0.20	0.22	0.25	0.28	0.31	0.34	0.38	0.42	0.47	0.51	0.55	0.60	0.65	0.71	0.76	0.81	-17	-37
2850 motor	1.52	1.73	1.95	2.18	2.40	2.63	2.96	3.29	3.62	3.96	4.29	4.68	5.07	5.47	5.87	6.27	0	-20

Air Volume m³/h

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



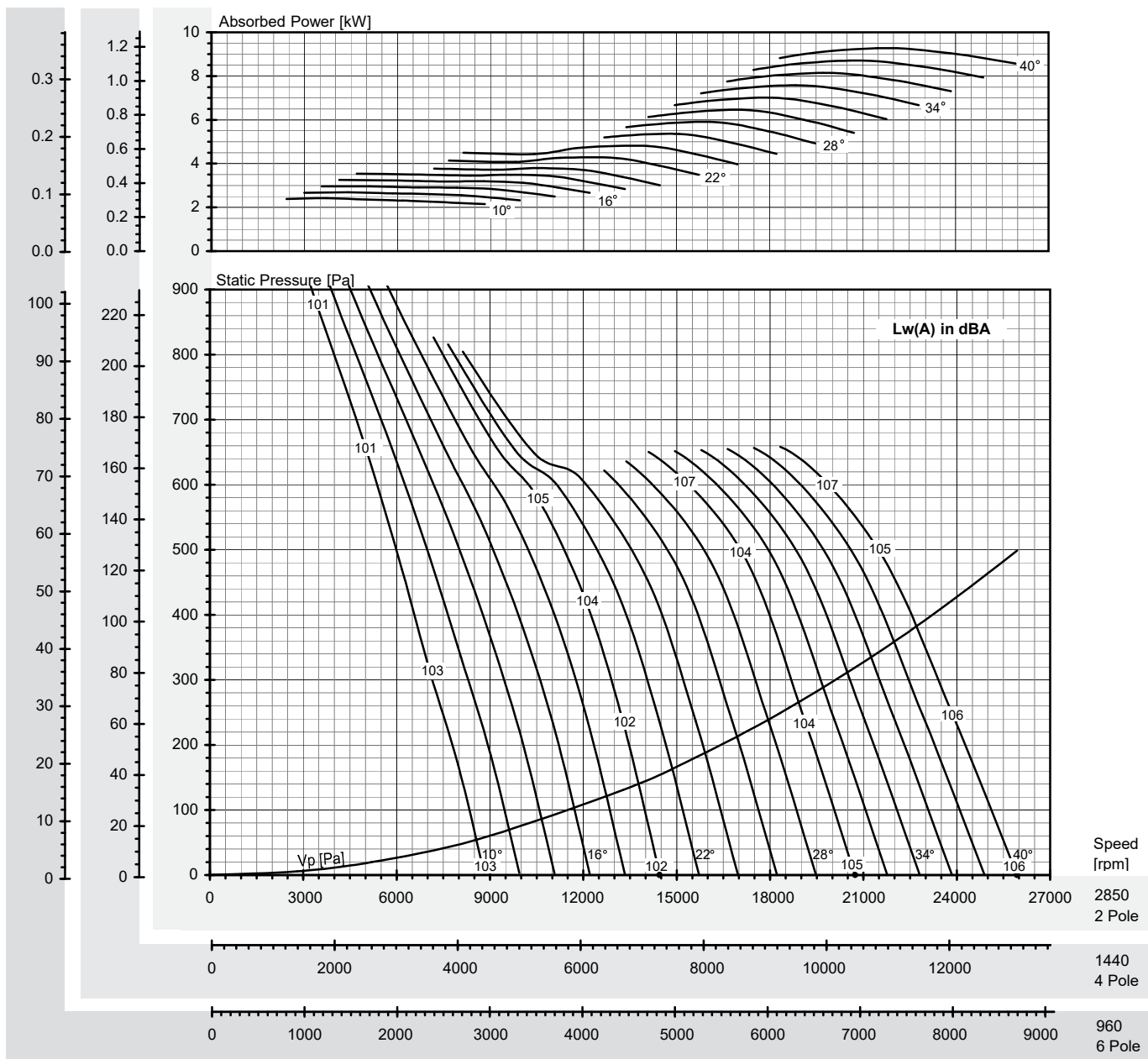
Adjustable Pitch Angle Axial Fan

SERIES TFA 560-10

Impeller Code : 560/150
Size : 560mm

FEG 56

50Hz



Peak Absorbed Power (kW)

Air Volume [m³/h]

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.09	0.10	0.11	0.12	0.14	0.15	0.16	0.18	0.20	0.23	0.25	0.27	0.29	0.31	0.33	0.35	-27	-47
1440 motor	0.31	0.35	0.38	0.42	0.46	0.49	0.55	0.62	0.69	0.76	0.83	0.91	0.98	1.05	1.12	1.20	-17	-37
2850 motor	2.42	2.69	2.96	3.25	3.54	3.83	4.25	4.80	5.35	5.91	6.46	7.02	7.58	8.15	8.71	9.27	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



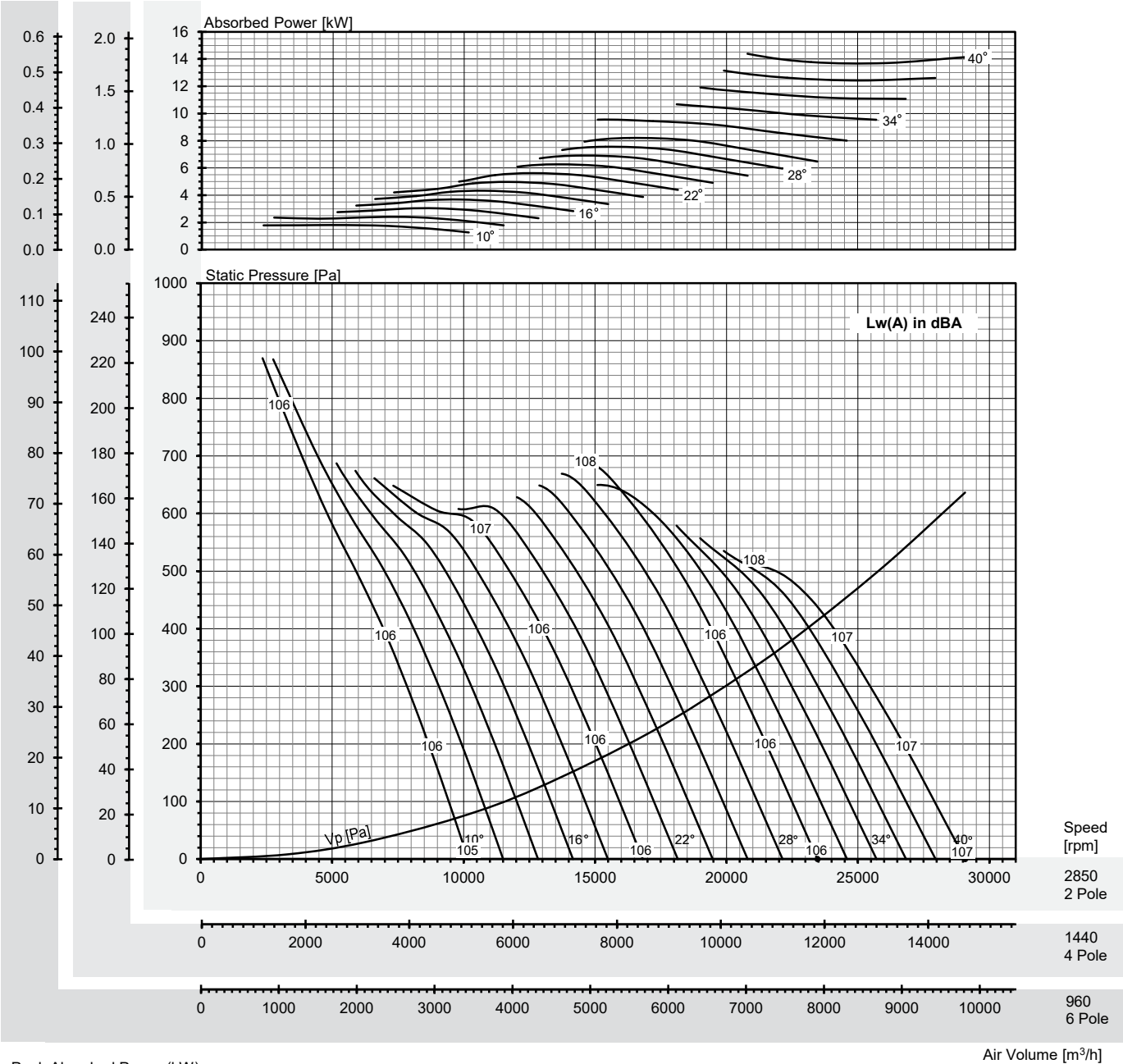
Adjustable Pitch Angle Axial Fan

SERIES TFA 560-6

Impeller Code : 560/200
Size : 560mm

FEG 53

50Hz



Peak Absorbed Power (kW)

Air Volume [m³/h]

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.069	0.092	0.116	0.141	0.165	0.190	0.21	0.24	0.26	0.29	0.31	0.36	0.41	0.46	0.50	0.55	-29	-49
			0.18						0.37					0.55		0.75		
1440 motor	0.23	0.31	0.39	0.47	0.56	0.64	0.72	0.81	0.89	0.97	1.06	1.23	1.38	1.54	1.70	1.86	-18	-38
		0.37		0.55		0.75			1.1			1.5		2.2				
2850 motor	1.81	2.41	3.04	3.68	4.33	4.97	5.62	6.27	6.91	7.56	8.20	9.55	10.68	11.91	13.15	14.39	0	-20
	2.2	3	4		5.5			7.5			11				15			

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



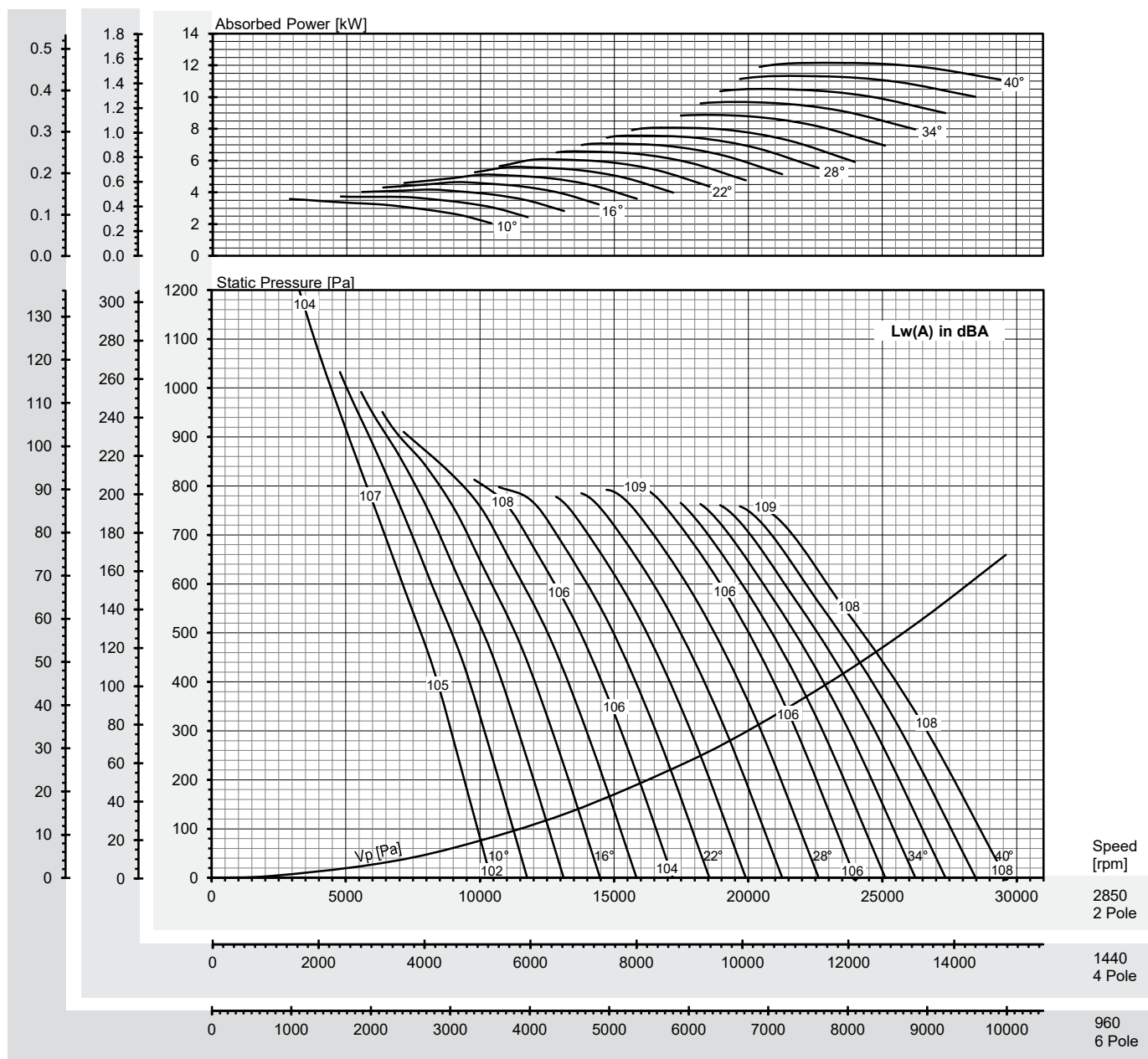
Adjustable Pitch Angle Axial Fan

SERIES TFA 560-9

Impeller Code : 560/200
Size : 560mm

FEG 63

50Hz



Peak Absorbed Power (kW)

Air Volume [m³/h]

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.137	0.143	0.160	0.177	0.195	0.213	0.23	0.25	0.27	0.29	0.31	0.34	0.37	0.40	0.43	0.46	-27	-47
	0.18				0.37				0.55									
1440 motor	0.46	0.48	0.54	0.60	0.66	0.72	0.78	0.85	0.91	0.98	1.04	1.14	1.24	1.35	1.46	1.57	-17	-37
	0.55				0.75				1.1				1.5					
2850 motor	3.58	3.74	4.18	4.64	5.11	5.58	6.07	6.57	7.07	7.57	8.07	8.84	9.63	10.47	11.31	12.15	0	-20
	4				5.5				7.5				11					

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



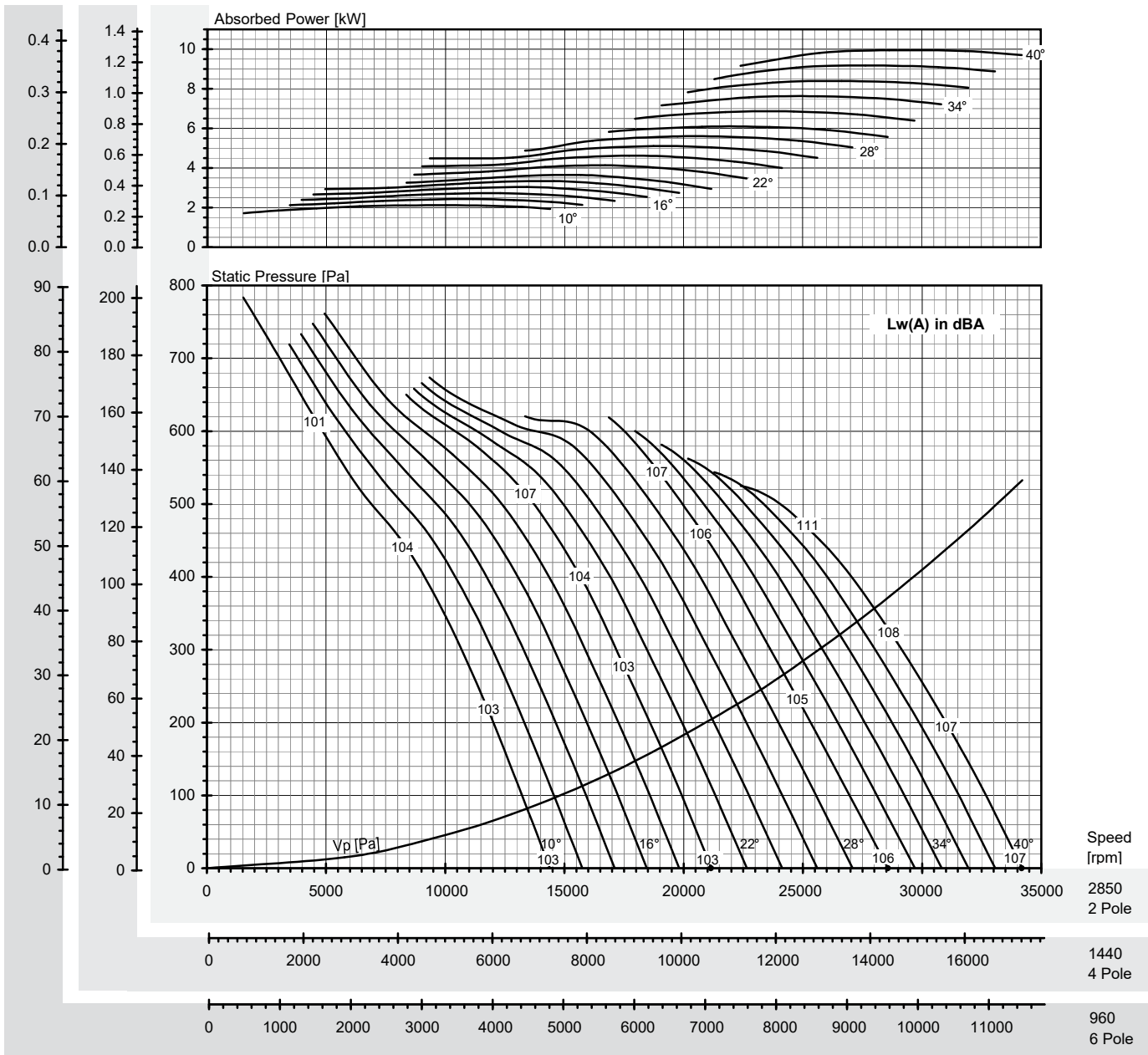
Adjustable Pitch Angle Axial Fan

SERIES TFA 630-5

Impeller Code : 630/150
Size : 630mm

FEG 67

50Hz

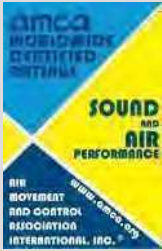


Peak Absorbed Power (kW)

Air Volume m^3/h

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.08	0.09	0.10	0.12	0.13	0.14	0.16	0.18	0.20	0.21	0.23	0.26	0.29	0.32	0.35	0.38	-27	-47
				0.18								0.37				0.55		
1440 motor	0.27	0.31	0.35	0.39	0.43	0.47	0.53	0.60	0.66	0.72	0.78	0.88	0.98	1.08	1.18	1.28	-17	-37
		0.37			0.55				0.75			1.1			1.5			
2850 motor	2.12	2.43	2.73	3.04	3.34	3.64	4.13	4.62	5.10	5.59	6.08	6.85	7.62	8.40	9.17	9.95	0	-20
	2.2	3			4			5.5			7.5			11				

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



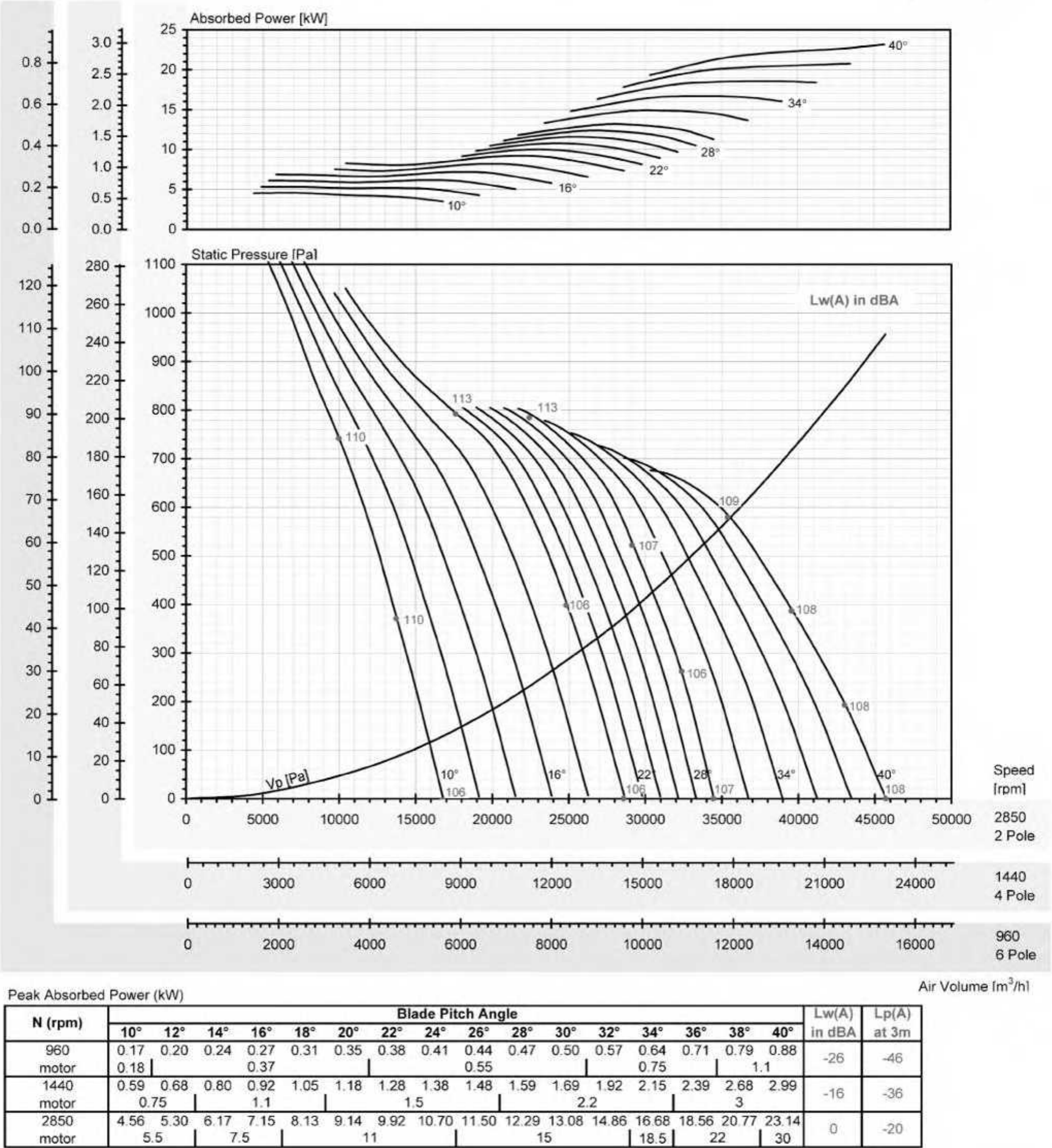
Adjustable Pitch Angle Axial Fan

SERIES TFA 630-10

Impeller Code : 630/150
Size : 630mm

FEG 60

50Hz



- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international

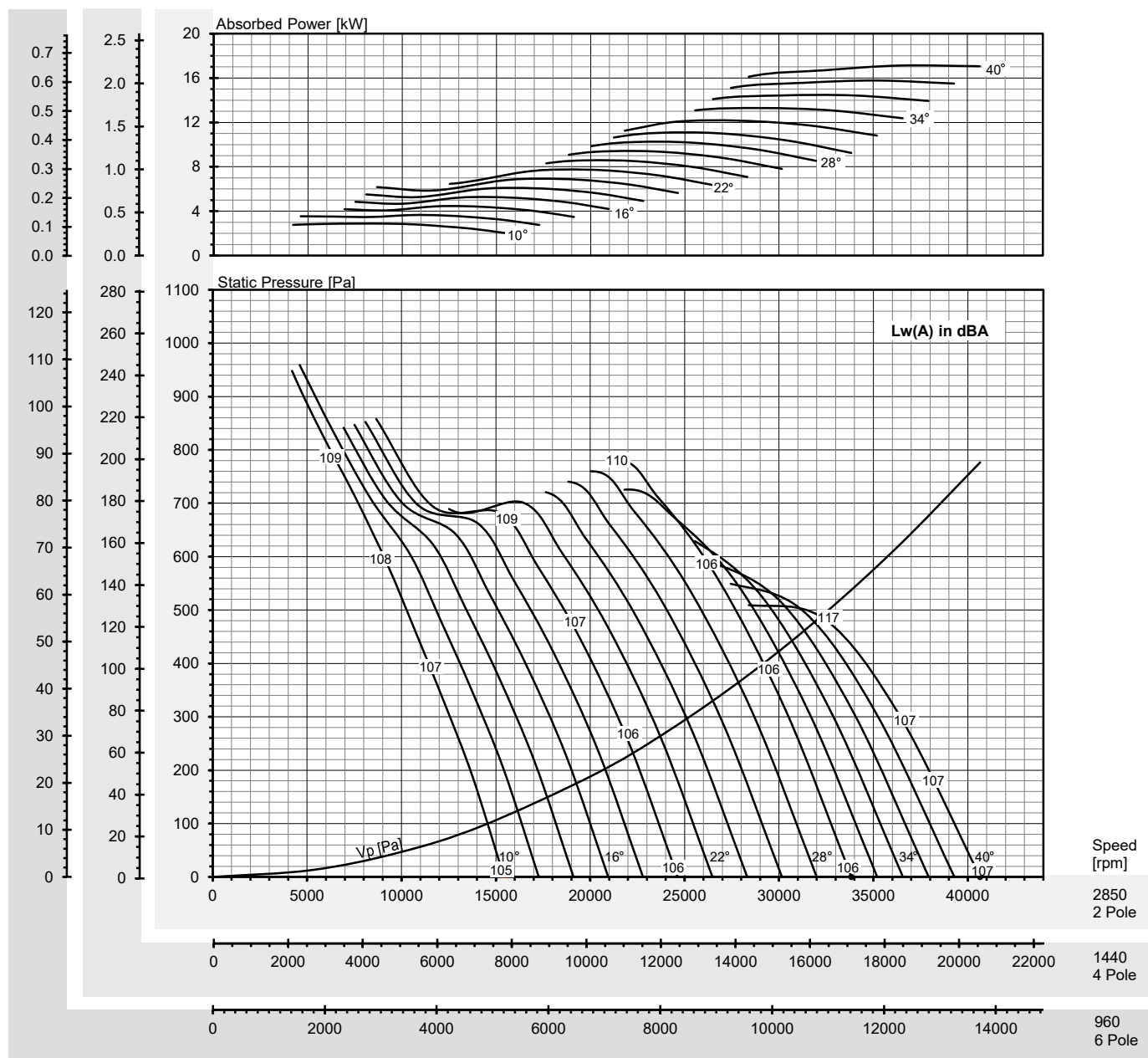


SERIES TFA 630-6

Impeller Code : 630/200
Size : 630mm

FEG 63

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.110	0.140	0.170	0.202	0.233	0.265	0.30	0.33	0.36	0.39	0.42	0.46	0.51	0.55	0.60	0.65	-27	-47
		0.18					0.37					0.55			0.75			
1440 motor	0.37	0.47	0.57	0.68	0.79	0.89	1.00	1.11	1.21	1.32	1.43	1.57	1.71	1.86	2.03	2.21	-17	-37
		0.55		0.75			1.1			1.5			2.2			3		
2850 motor	2.88	3.65	4.45	5.28	6.10	6.93	7.75	8.58	9.40	10.23	11.06	12.15	13.29	14.43	15.77	17.12	0	-20
	3	4		5.5			7.5		11				15			18.5		

- 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 L_{wiA} sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- L_p(A) - dBA levels are not licensed by AMCA international



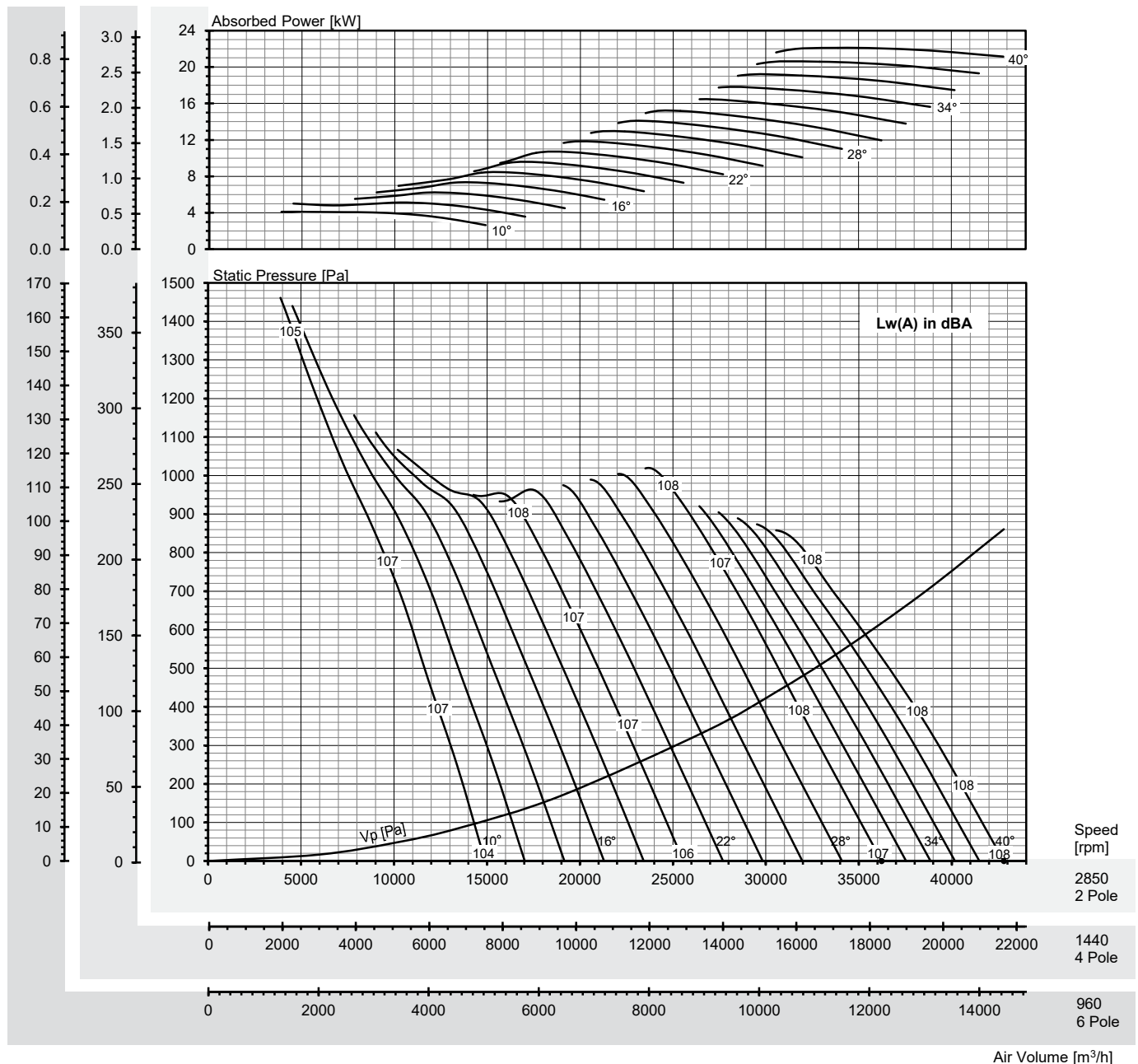
Adjustable Pitch Angle Axial Fan

SERIES TFA 630-9

Impeller Code : 630/200
Size : 630mm

FEG 63

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.157 0.18	0.196 0.238	0.238 0.279	0.279 0.32	0.32 0.36	0.36 0.41	0.41 0.45	0.45 0.49	0.49 0.54	0.54 0.58	0.58 0.63	0.63 0.68	0.68 0.73	0.73 0.79	0.79 0.84	0.84 0.88	-27	-47
1440 motor	0.53 0.55	0.66 0.75	0.80 0.94	0.94 1.08	1.08 1.23	1.23 1.38	1.38 1.52	1.52 1.67	1.67 1.81	1.81 1.96	1.96 2.12	2.12 2.29	2.29 2.46	2.46 2.65	2.65 2.85	2.85 3.05	-17	-37
2850 motor	4.11 5.5	5.13 7.5	6.22 8.41	7.31 9.54	8.41 10.66	9.54 11.79	10.66 12.92	11.79 14.05	12.92 15.18	14.05 16.46	15.18 17.75	16.46 19.06	17.75 20.58	19.06 22.10	20.58 23.10	22.10 24.70	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



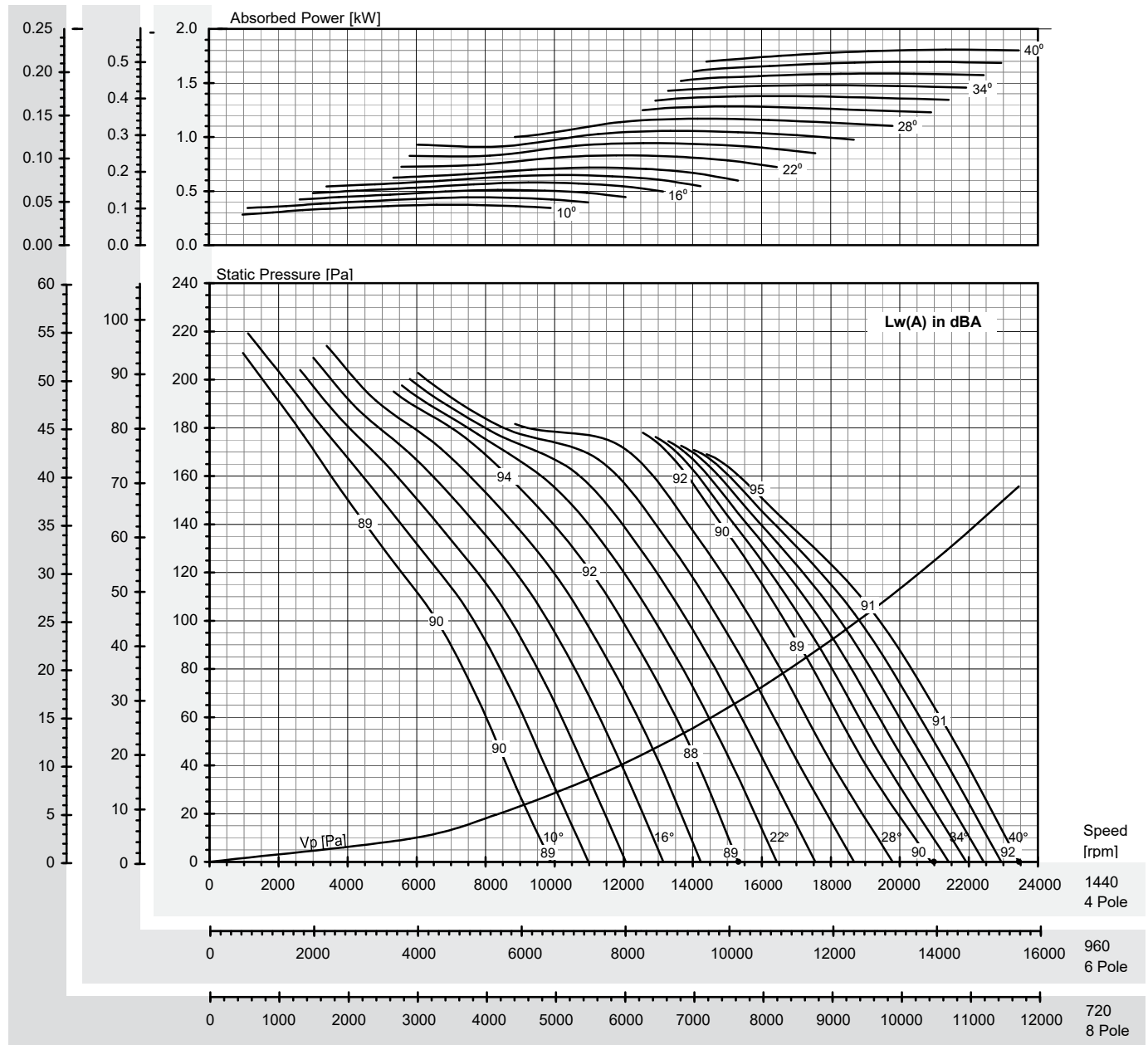
Adjustable Pitch Angle Axial Fan

SERIES TFA 710-5

Impeller Code : 710/150
Size : 710mm

FEG 67

50Hz



Peak Absorbed Power (kW)

Air Volume [m³/h]

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	0.05	0.06	0.06	0.07	0.08	0.09	0.10	0.12	0.13	0.15	0.16	0.17	0.19	0.20	0.21	0.23	-17	-37
960 motor	0.11	0.13	0.15	0.17	0.19	0.21	0.25	0.28	0.31	0.35	0.38	0.41	0.44	0.47	0.50	0.54	-10	-30
1440 motor	0.37	0.44	0.51	0.58	0.65	0.72	0.83	0.94	1.06	1.17	1.28	1.38	1.48	1.58	1.70	1.81	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



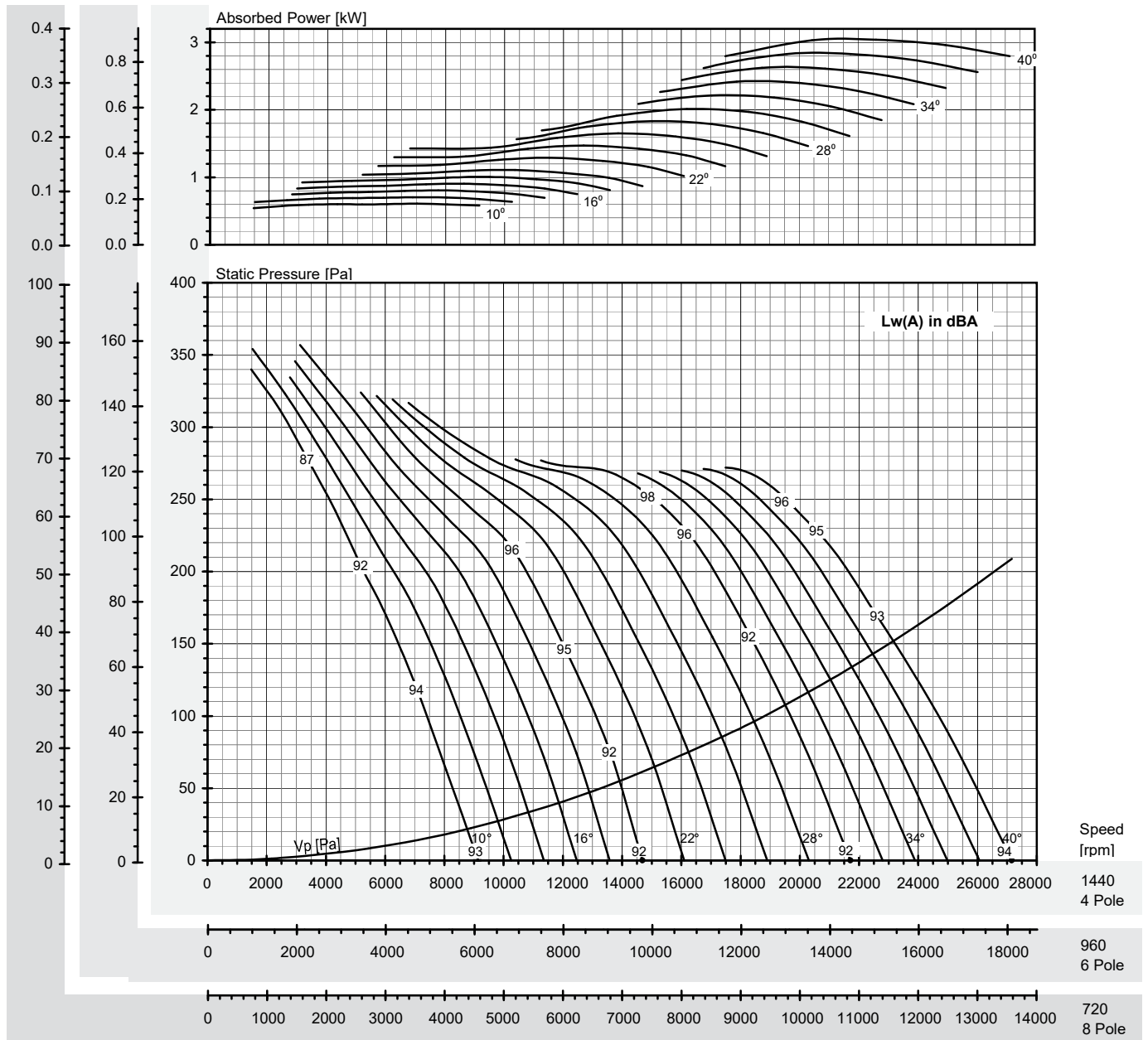
Adjustable Pitch Angle Axial Fan

SERIES TFA 710-10

Impeller Code : 710/150
Size : 710mm

FEG 71

50Hz



Peak Absorbed Power (kW)

Air Volume [m³/h]

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.08	0.09	0.10	0.11	0.13	0.14	0.16	0.18	0.21	0.23	0.25	0.28	0.30	0.33	0.35	0.38	-17	-37
960 motor	0.18	0.21	0.24	0.27	0.30	0.33	0.38	0.44	0.49	0.54	0.60	0.66	0.72	0.78	0.84	0.90	-10	-30
960 motor	0.61	0.70	0.80	0.91	1.01	1.11	1.29	1.47	1.65	1.83	2.01	2.22	2.42	2.62	2.83	3.04	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



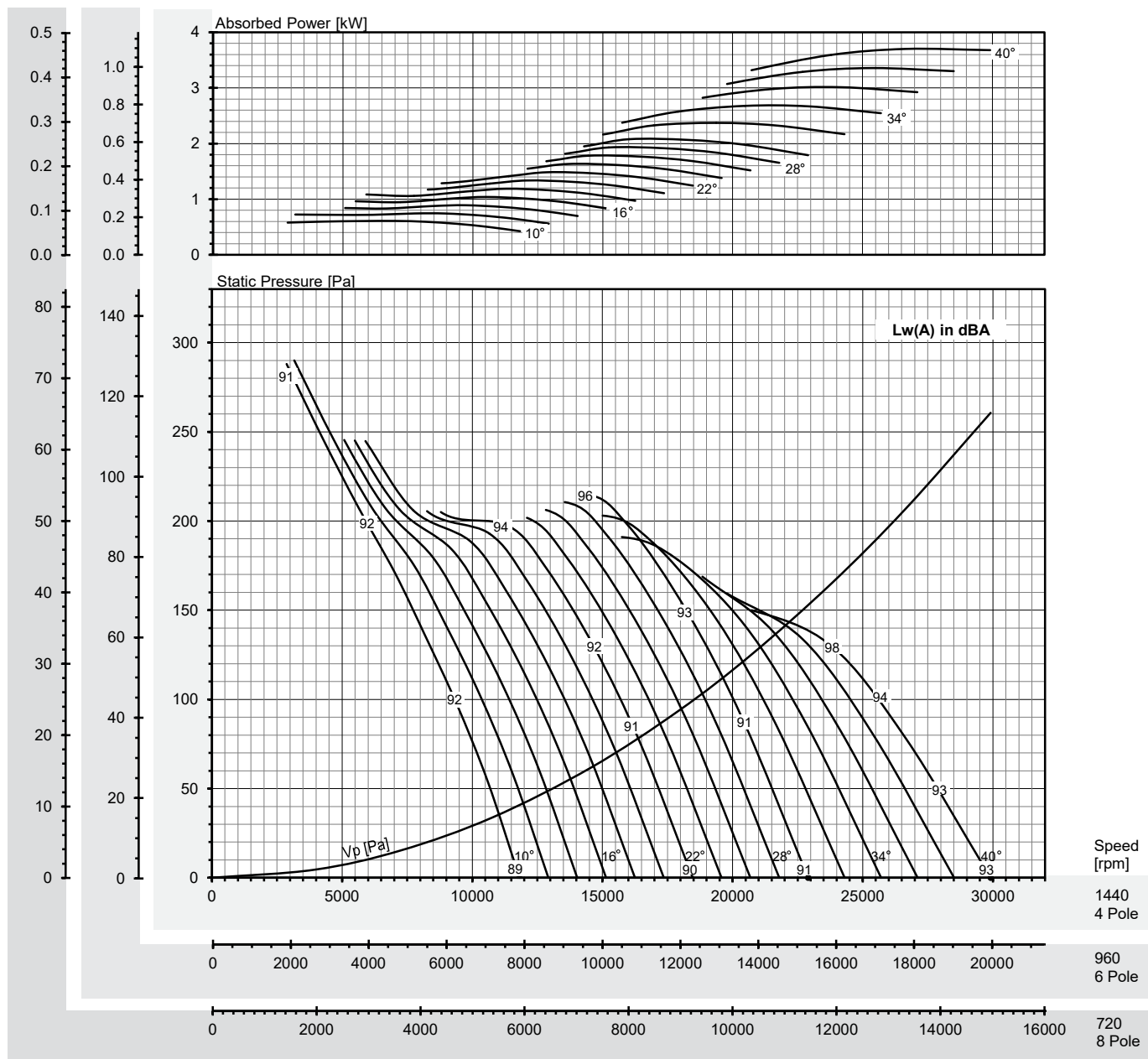
Adjustable Pitch Angle Axial Fan

SERIES TFA 710-6

Impeller Code : 710/200
Size : 710mm

FEG 63

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	0.076	0.093	0.112	0.130	0.149	0.167	0.186	0.204	0.223	0.241	0.260	0.296	0.335	0.377	0.420	0.463	-17	-37
960 motor	0.181	0.220	0.264	0.308	0.352	0.396	0.440	0.484	0.528	0.572	0.616	0.703	0.793	0.892	0.994	1.096	-10	-30
1440 motor	0.61	0.74	0.89	1.04	1.19	1.34	1.49	1.63	1.78	1.93	2.08	2.37	2.68	3.01	3.36	3.70	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



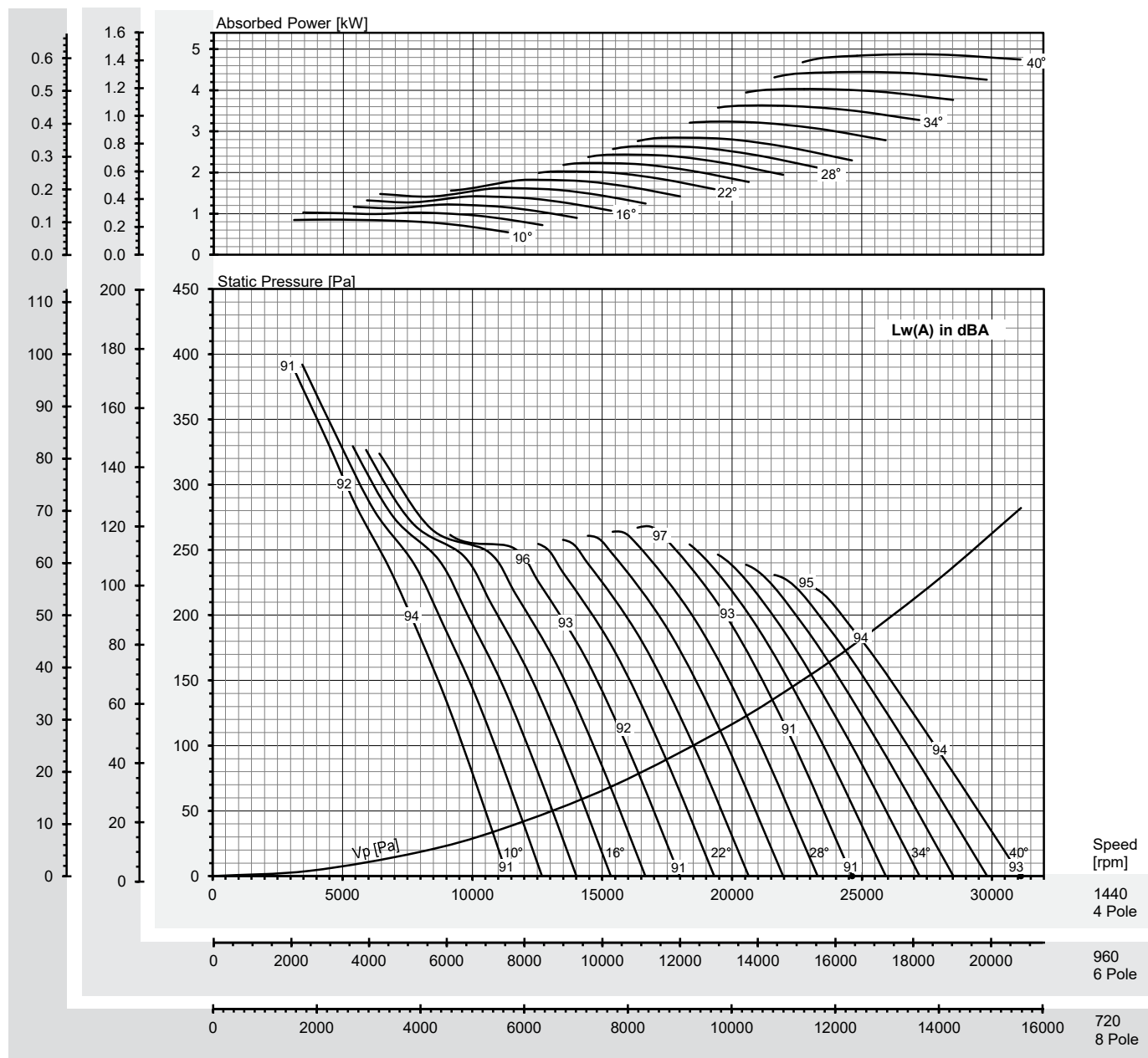
Adjustable Pitch Angle Axial Fan

SERIES TFA 710-9

Impeller Code : 710/200
Size : 710mm

FEG 63

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	0.107	0.129	0.151	0.177	0.202	0.228	0.253	0.279	0.304	0.330	0.355	0.403	0.453	0.504	0.555	0.609	-17	-37
960 motor	0.254	0.305	0.359	0.419	0.479	0.540	0.601	0.661	0.721	0.782	0.842	0.955	1.075	1.194	1.314	1.443	-10	-30
1440 motor	0.86	1.03	1.21	1.41	1.62	1.82	2.03	2.23	2.44	2.64	2.84	3.22	3.63	4.03	4.44	4.87	0	-20

Air Volume [m³/h]

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



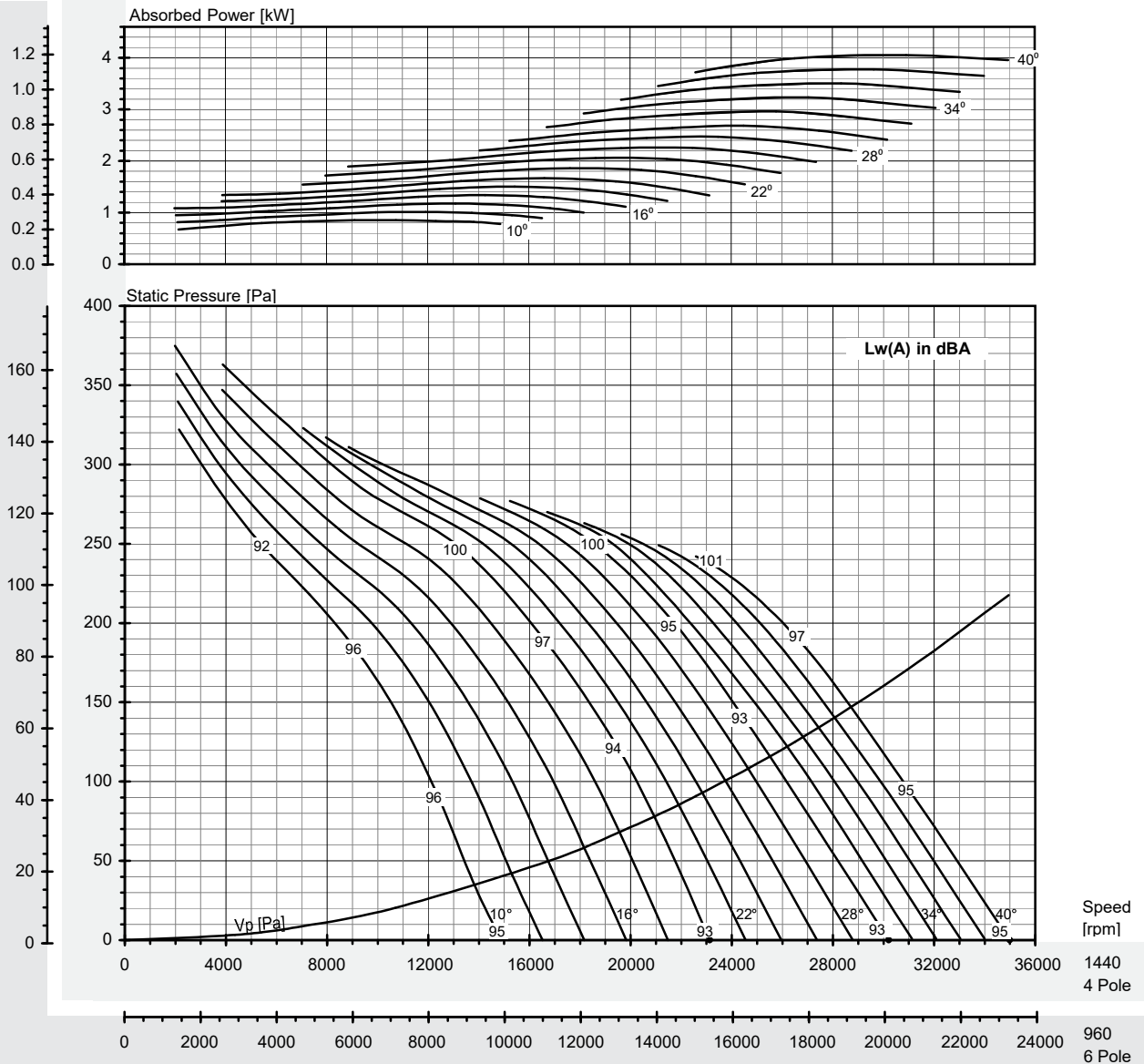
Adjustable Pitch Angle Axial Fan

SERIES TFA 800-7

Impeller Code : 800/250
Size : 800mm

FEG 67

50Hz



Peak Absorbed Power (kW)

Air Volume [m³/h]

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.25	0.30	0.35	0.40	0.45	0.49	0.55	0.61	0.67	0.73	0.80	0.88	0.96	1.04	1.12	1.20	-10	-30
1440 motor	0.85	1.01	1.18	1.34	1.50	1.67	1.86	2.06	2.26	2.47	2.69	2.96	3.23	3.51	3.78	4.05	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



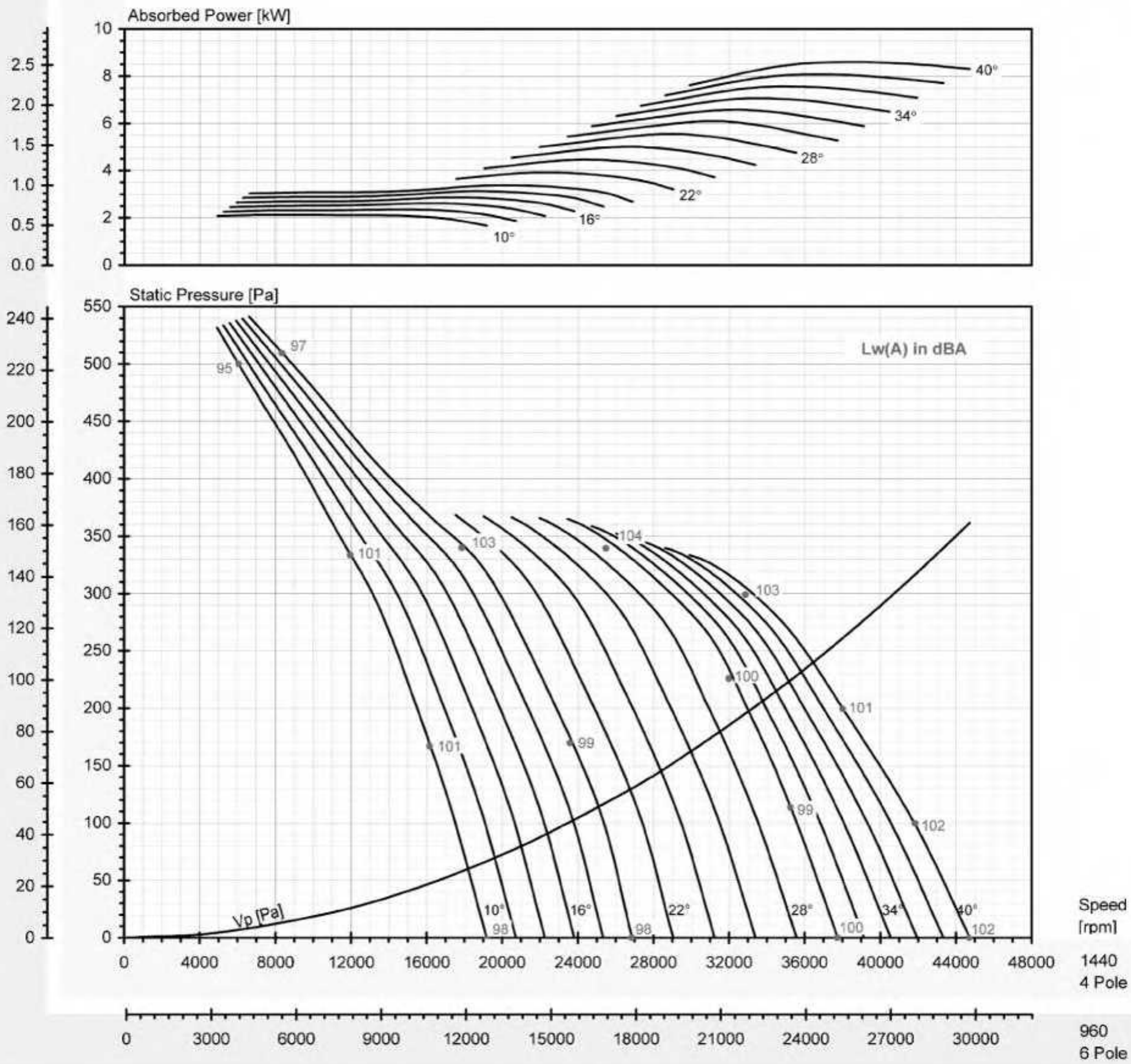
Adjustable Pitch Angle Axial Fan

SERIES TFA 800-14

Impeller Code : 800/250
Size : 800mm

FEG 63

50Hz



Peak Absorbed Power (kW)																Air Volume (m³/h)		
N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
960 motor	0.63 0.75	0.70	0.77	0.85	0.92	1.00	1.16	1.32	1.48	1.64	1.80	1.94	2.08	2.24	2.39	2.55	-10	-30
1440 motor	2.13 2.2	2.36	2.61	2.87	3.12	3.37	3.91	4.45	4.99	5.53	6.07	6.54	7.02	7.55	8.08	8.60	0	-20

- 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 LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



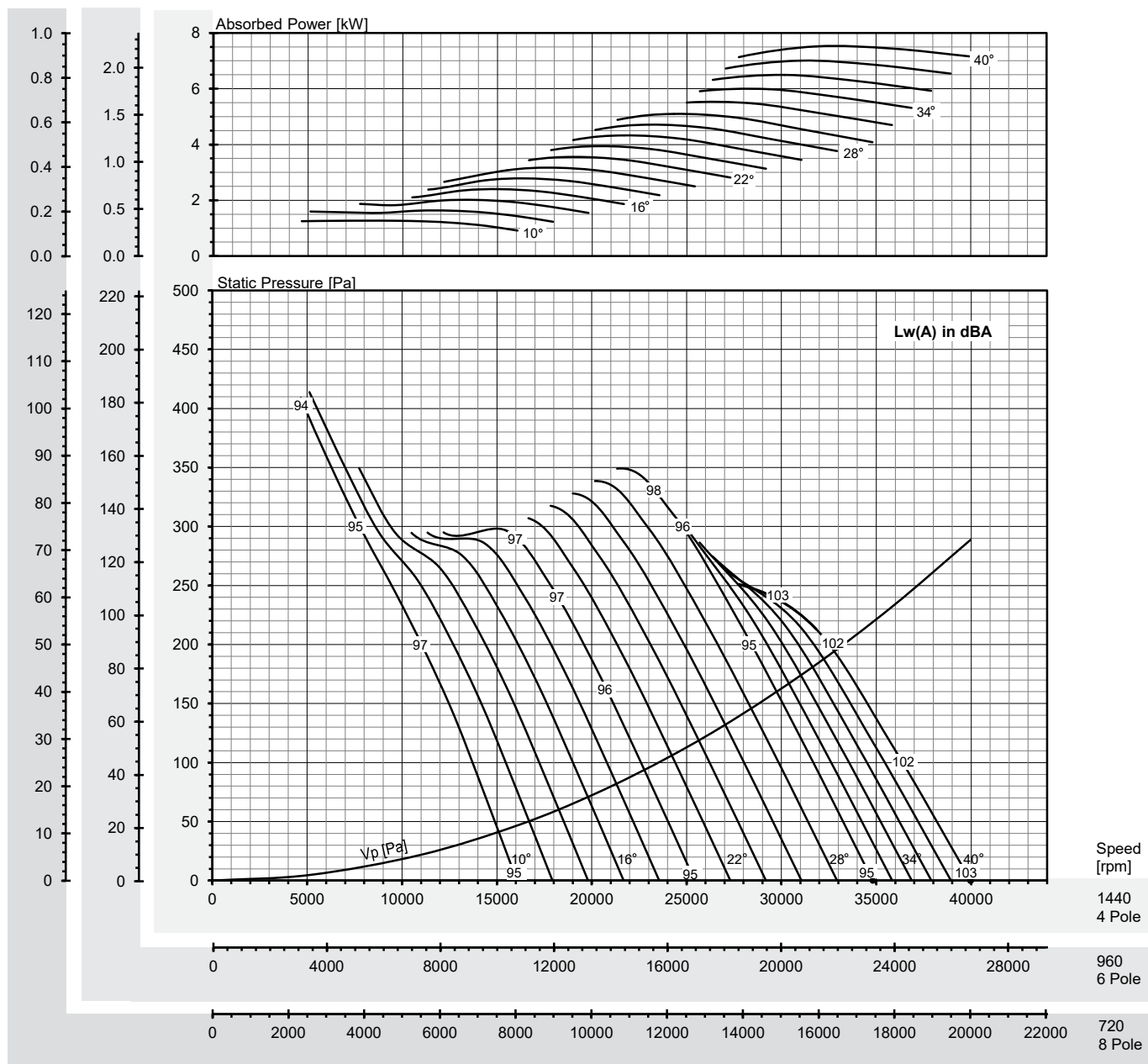
Adjustable Pitch Angle Axial Fan

SERIES TFA 800-5

Impeller Code : 800/300
Size : 800mm

FEG 60

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	0.16 0.18	0.20 0.37	0.25 0.30	0.30 0.35	0.35 0.40	0.40 0.44	0.44 0.49	0.49 0.54	0.54 0.59	0.59 0.64	0.64 0.69	0.69 0.75	0.75 0.81	0.81 0.88	0.88 0.94	0.94	-17	-37
960 motor	0.38 0.55	0.48 0.75	0.60 0.71	0.71 0.83	0.83 0.94	0.94 1.05	1.05 1.17	1.17 1.28	1.28 1.40	1.40 1.51	1.51 1.63	1.63 1.77	1.77 1.92	1.92 2.08	2.08 2.23	2.23	-11	-31
1440 motor	1.27 1.5	1.63 2.2	2.01 3	2.40 3	2.79 3.17	3.17 3.56	3.56 3.94	3.94 4.33	4.33 4.71	4.71 5.10	5.10 5.50	5.50 5.98	5.98 6.50	6.50 7.01	7.01 7.52	7.52	0	-20

Air Volume [m³/h]

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



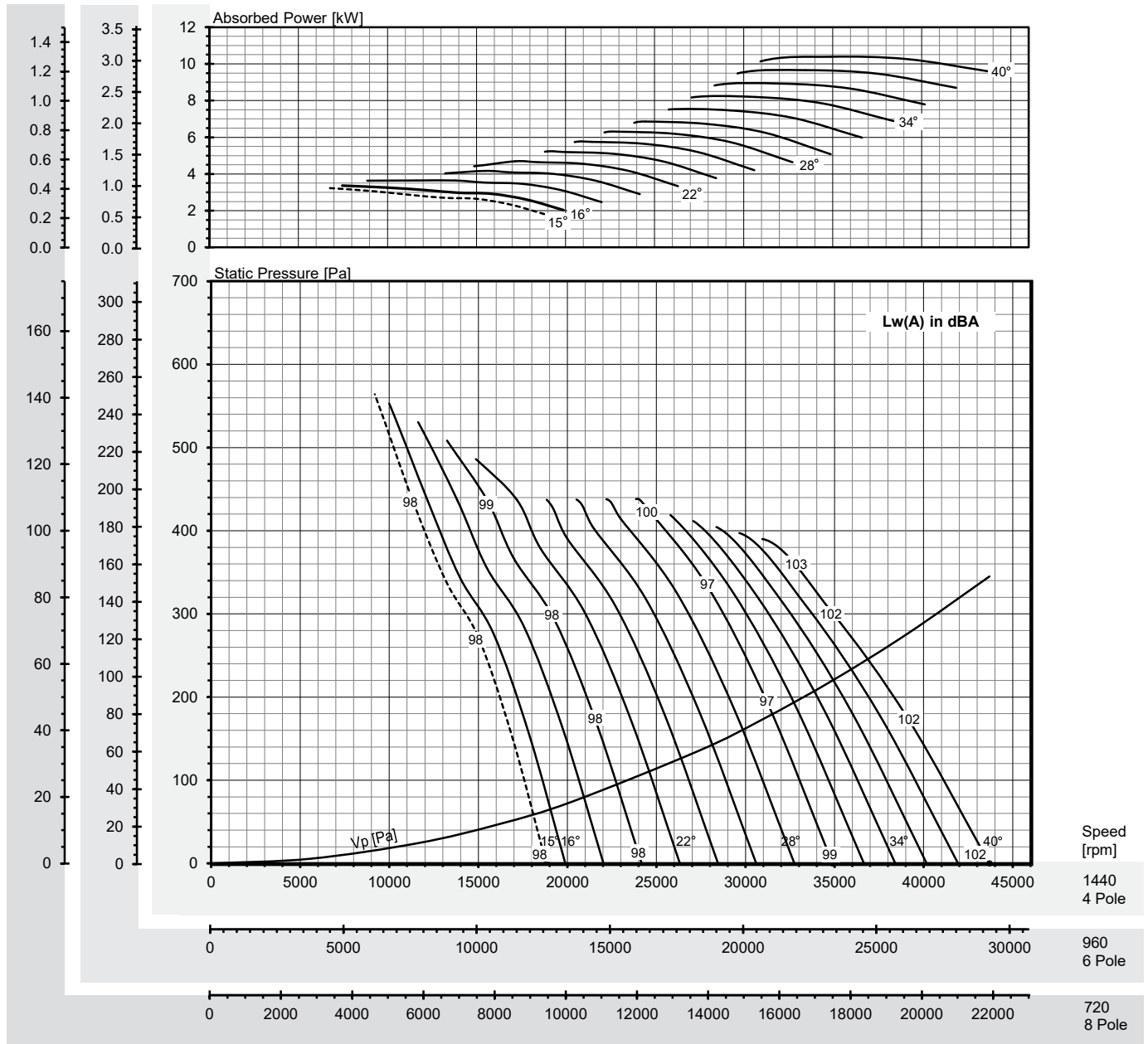
Adjustable Pitch Angle Axial Fan

SERIES TFA 800-10

Impeller Code : 800/300
Size : 800mm

FEG 56

50Hz



Peak Absorbed Power (kW)

Air Volume [m³/h]

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	-	-	-	0.42	0.46	0.52	0.59	0.65	0.72	0.79	0.86	0.94	1.02	1.12	1.21	1.30	-17	-37
960 motor	-	-	-	1.00	1.08	1.23	1.39	1.55	1.70	1.87	2.03	2.23	2.43	2.64	2.86	3.08	-11	-31
1440 motor	-	-	-	3.37	3.65	4.17	4.69	5.22	5.75	6.30	6.86	7.51	8.20	8.93	9.66	10.39	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



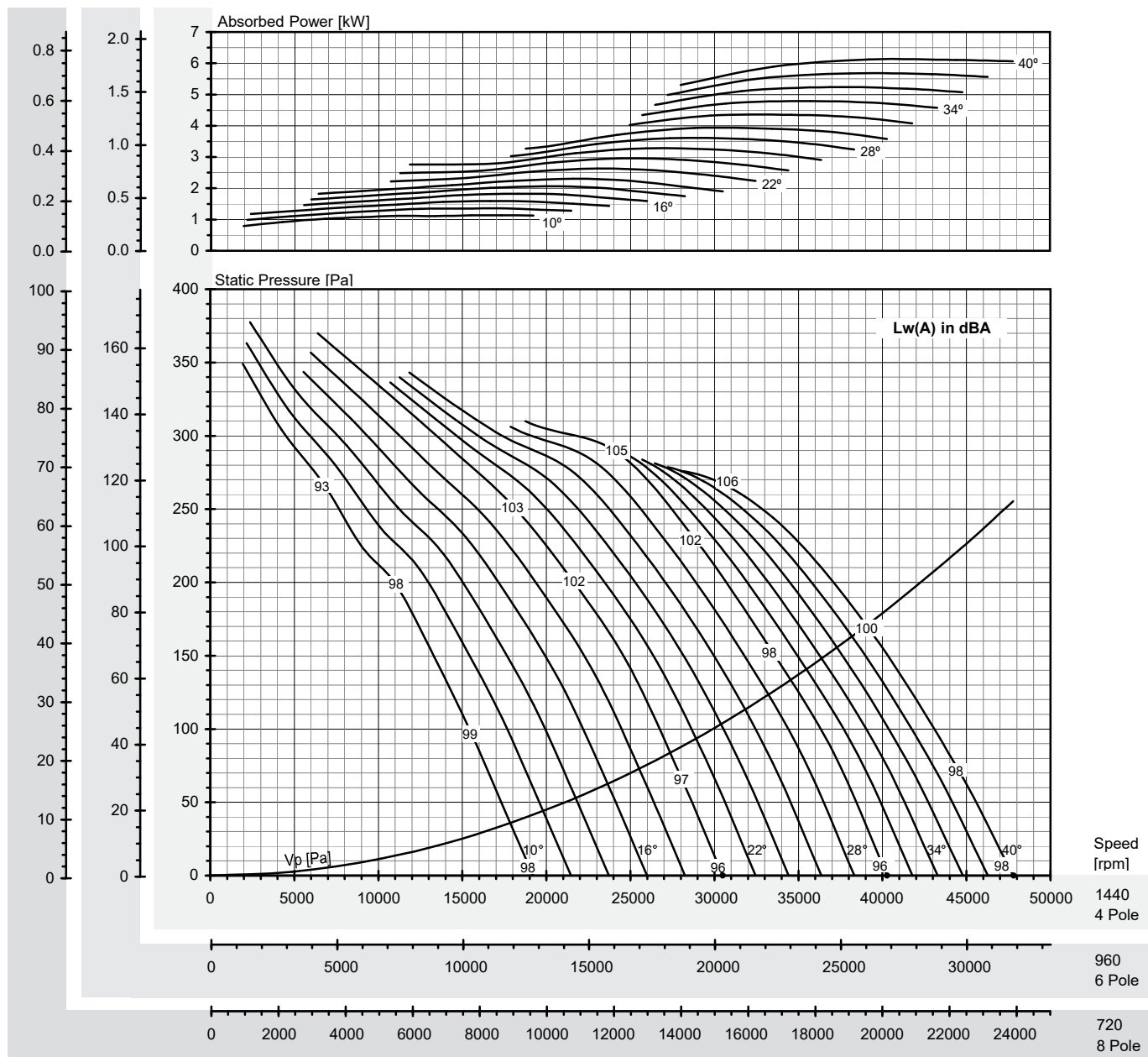
Adjustable Pitch Angle Axial Fan

SERIES TFA 900-7

Impeller Code : 900/250
Size : 900mm

FEG 67

50Hz



Peak Absorbed Power (kW)

Air Volume [m³/h]

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	0.14 0.18	0.17 0.20	0.20 0.23	0.23 0.26	0.26 0.29	0.29 0.33	0.33 0.37	0.37 0.41	0.41 0.45	0.45 0.49	0.49 0.54	0.54 0.60	0.60 0.65	0.65 0.71	0.71 0.77	0.77 1.1	-16	-36
960 motor	0.34 0.37	0.40 0.55	0.47 0.55	0.54 0.61	0.61 0.68	0.68 0.78	0.78 0.88	0.88 0.97	0.97 1.07	1.07 1.17	1.17 1.29	1.29 1.42	1.42 1.55	1.55 1.68	1.68 2.2	2.2 1.81	-9	-29
1440 motor	1.13 1.5	1.36 1.5	1.59 2.2	1.83 2.2	2.06 2.30	2.30 2.63	2.63 2.95	2.95 3.28	3.28 3.61	3.61 3.93	3.93 4.35	4.35 4.79	4.79 5.24	5.24 5.68	5.68 6.12	6.12 7.5	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



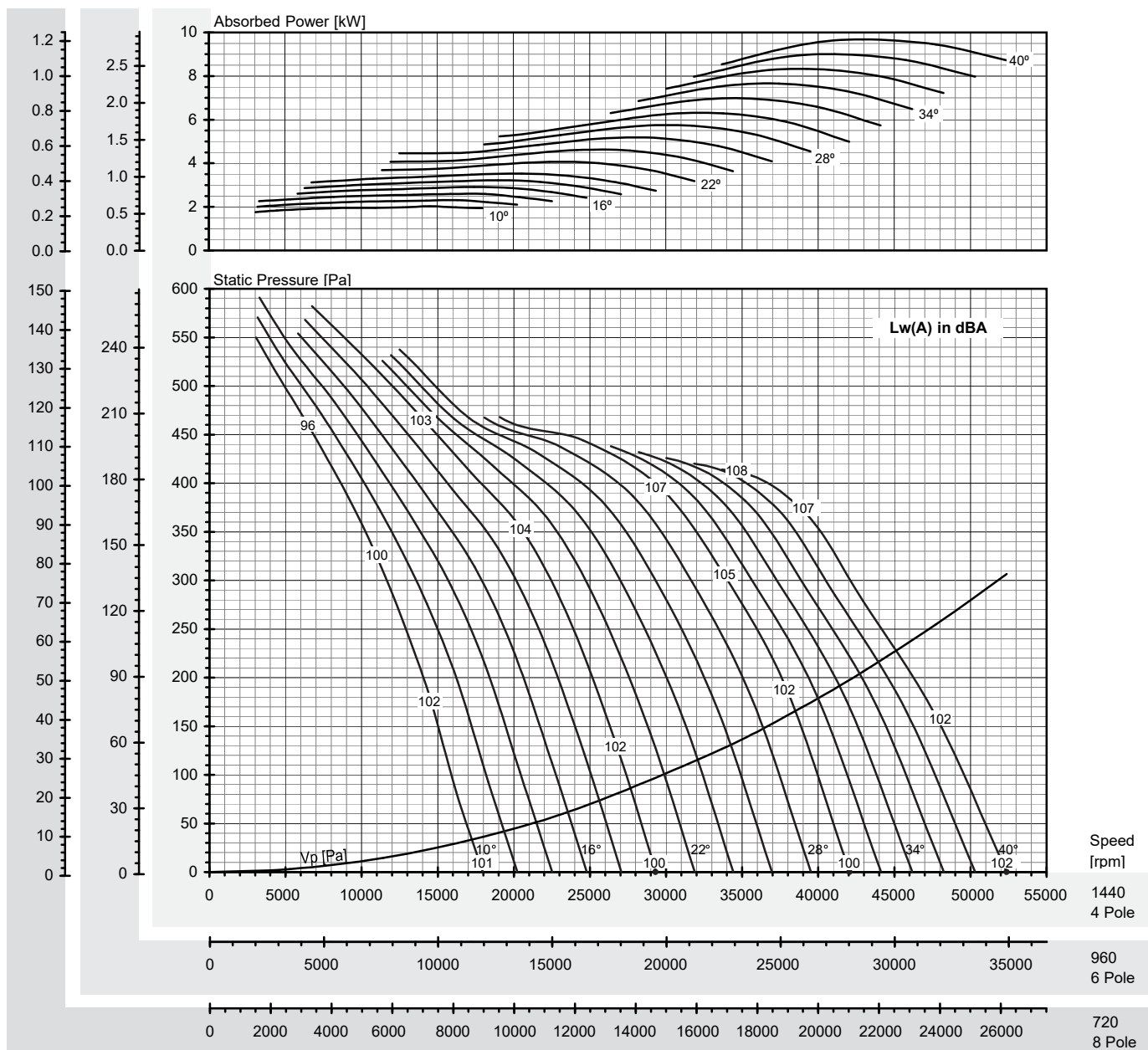
Adjustable Pitch Angle Axial Fan

SERIES TFA 900-14

Impeller Code : 900/250
Size : 900mm

FEG 67

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	0.25	0.29	0.32	0.36	0.40	0.44	0.51	0.58	0.64	0.72	0.79	0.87	0.96	1.04	1.13	1.21	-16	-36
960 motor	0.60	0.68	0.77	0.86	0.95	1.04	1.20	1.36	1.53	1.69	1.86	2.07	2.27	2.47	2.67	2.87	-10	-30
1440 motor	2.02	2.31	2.60	2.91	3.22	3.53	4.07	4.61	5.15	5.72	6.29	6.97	7.65	8.32	9.00	9.68	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



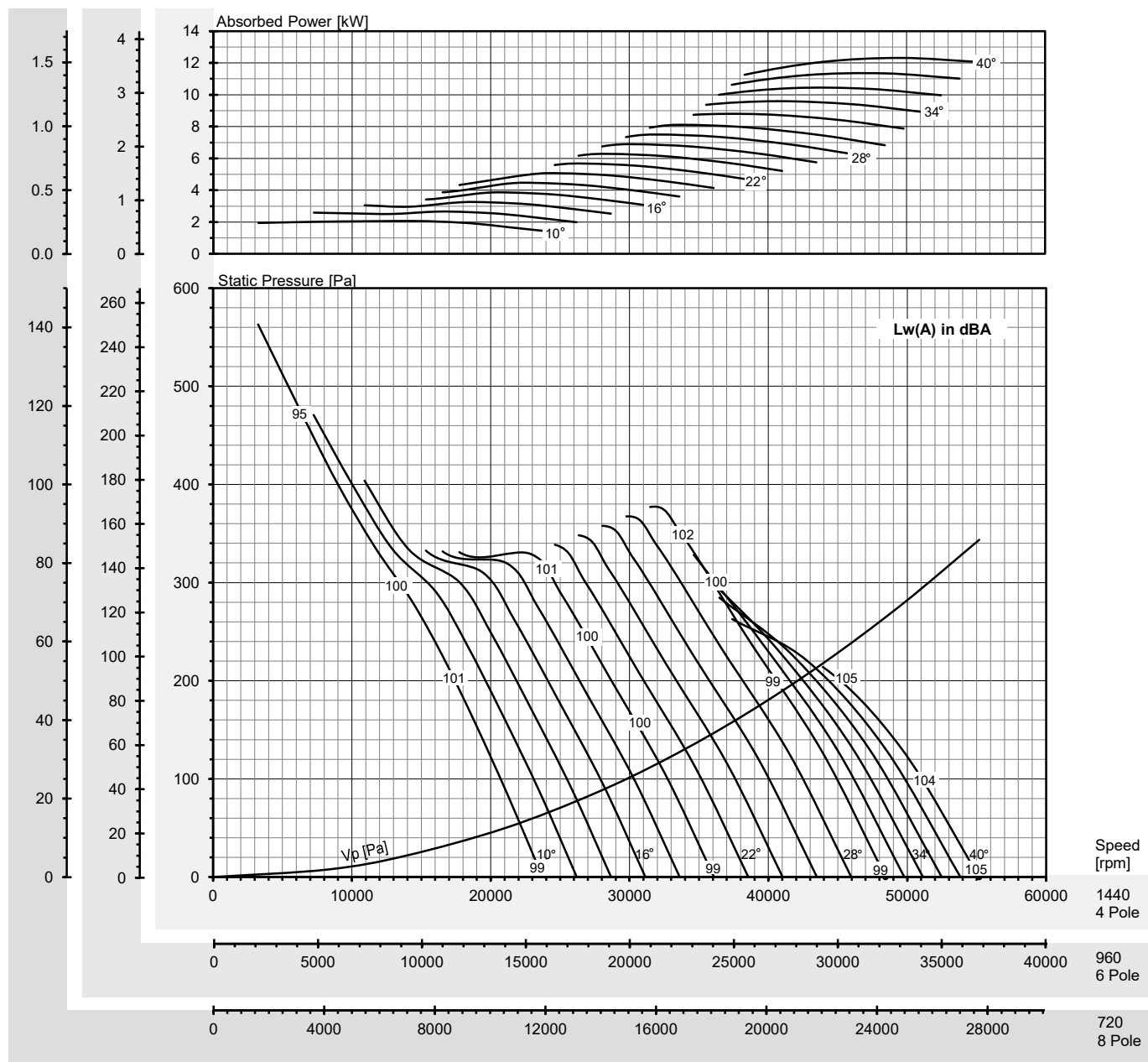
Adjustable Pitch Angle Axial Fan

SERIES TFA 900-5

Impeller Code : 900/300
Size : 900mm

FEG 60

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	0.26	0.33	0.41	0.48	0.56	0.63	0.71	0.79	0.86	0.94	1.01	1.10	1.20	1.30	1.42	1.54	-17	-37
960 motor	0.37	0.55	0.75	1.1	1.5	2.2	3	4	5	6	7	8	9	10	11	12	-10	-30
1440 motor	2.07	2.66	3.24	3.85	4.46	5.07	5.67	6.28	6.89	7.50	8.11	8.77	9.60	10.42	11.34	12.32	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



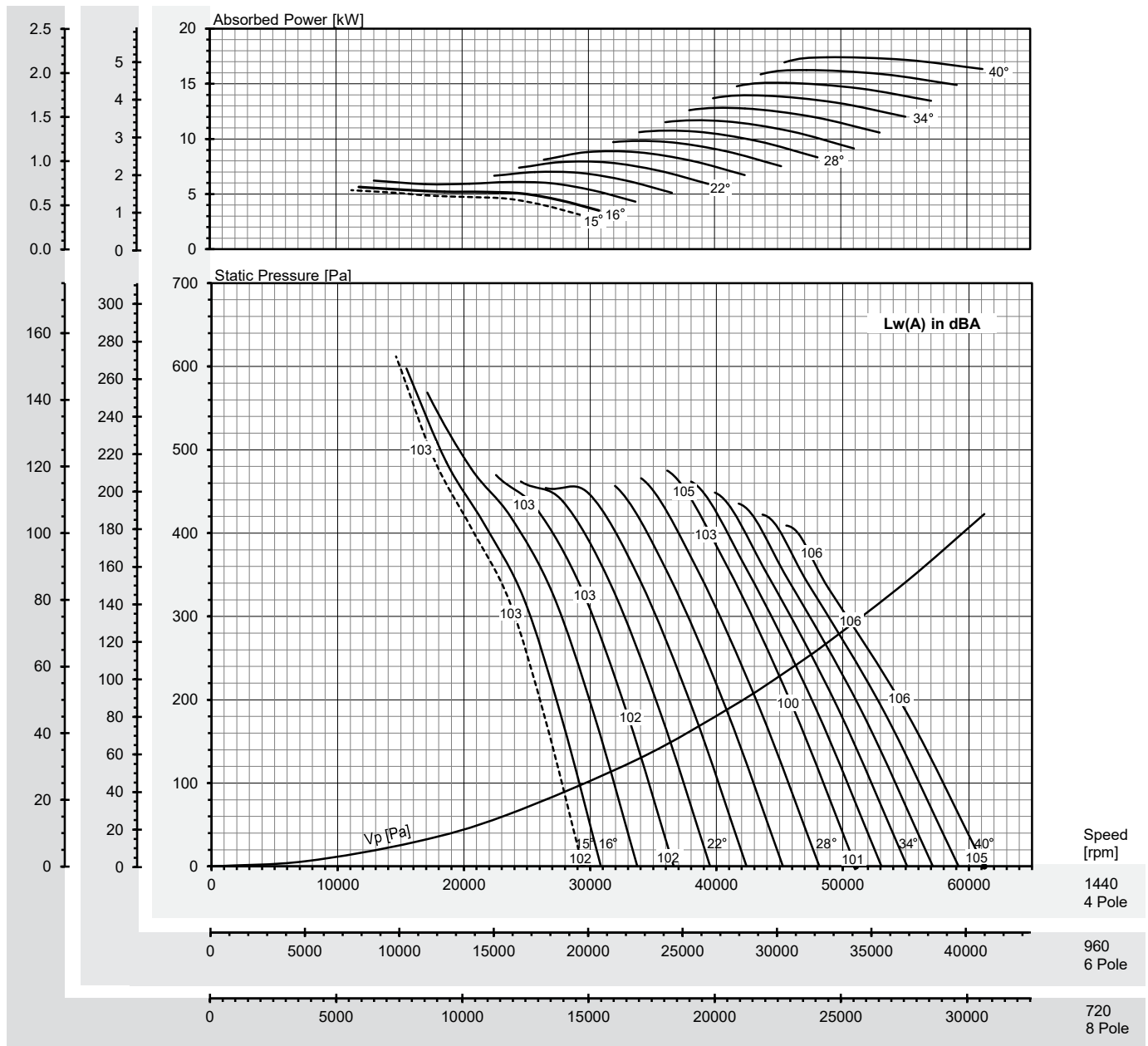
Adjustable Pitch Angle Axial Fan

SERIES TFA 900-10

Impeller Code : 900/300
Size : 900mm

FEG 56

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	-	-	-	0.71	0.78	0.87	0.99	1.10	1.22	1.33	1.45	1.60	1.74	1.88	2.03	2.17	-17	-37
960 motor	-	-	-	1.67	1.84	2.07	2.34	2.61	2.88	3.16	3.44	3.78	4.12	4.47	4.81	5.16	-11	-31
1440 motor	-	-	-	5.64	6.22	7.00	7.90	8.80	9.73	10.66	11.60	12.76	13.92	15.08	16.24	17.40	0	-20

Air Volume [m³/h]

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



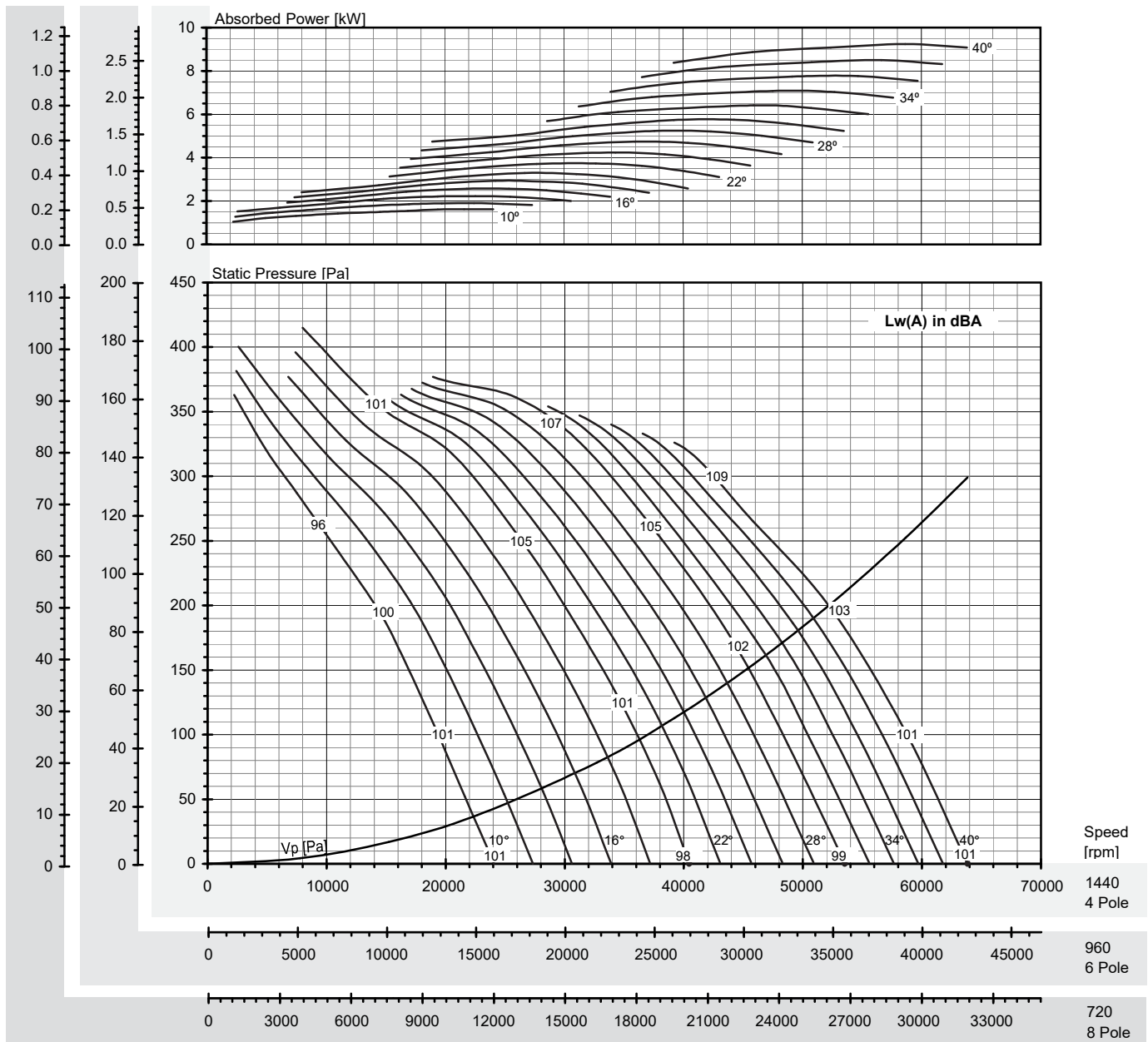
Adjustable Pitch Angle Axial Fan

SERIES TFA 1000-7

Impeller Code : 1000/250
Size : 1000mm

FEG 71

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	0.20	0.24	0.28	0.32	0.37	0.41	0.47	0.53	0.59	0.65	0.72	0.80	0.88	0.97	1.06	1.15	-17	-37
960 motor	0.48	0.56	0.66	0.76	0.87	0.97	1.11	1.26	1.40	1.55	1.70	1.90	2.10	2.30	2.52	2.74	-10	-30
1440 motor	1.63	1.90	2.23	2.57	2.93	3.29	3.74	4.24	4.74	5.24	5.74	6.41	7.08	7.77	8.50	9.24	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



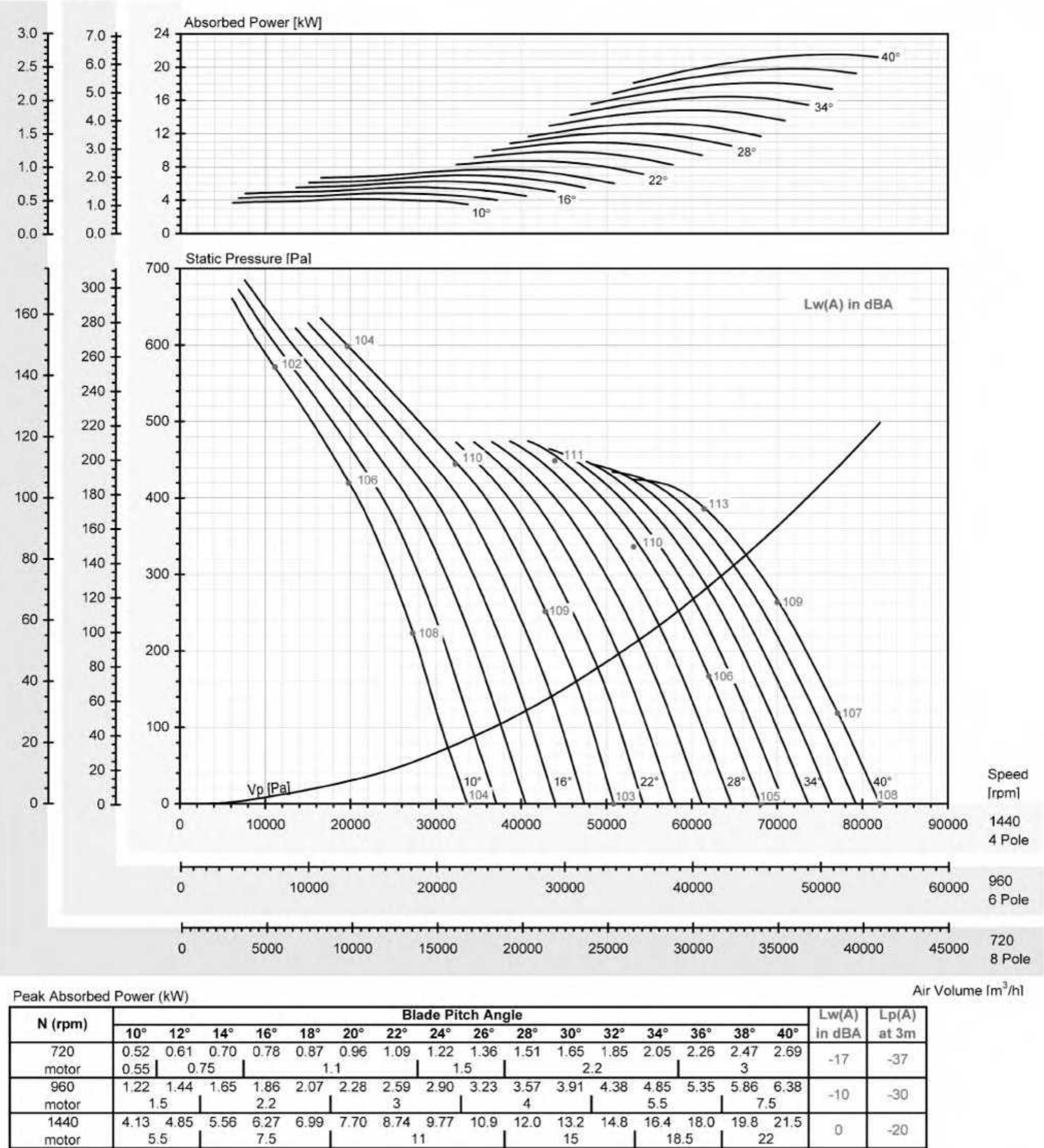
Adjustable Pitch Angle Axial Fan

SERIES TFA 1000-14

Impeller Code : 1000/250
Size : 1000mm

FEG 67

50Hz



- 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 LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



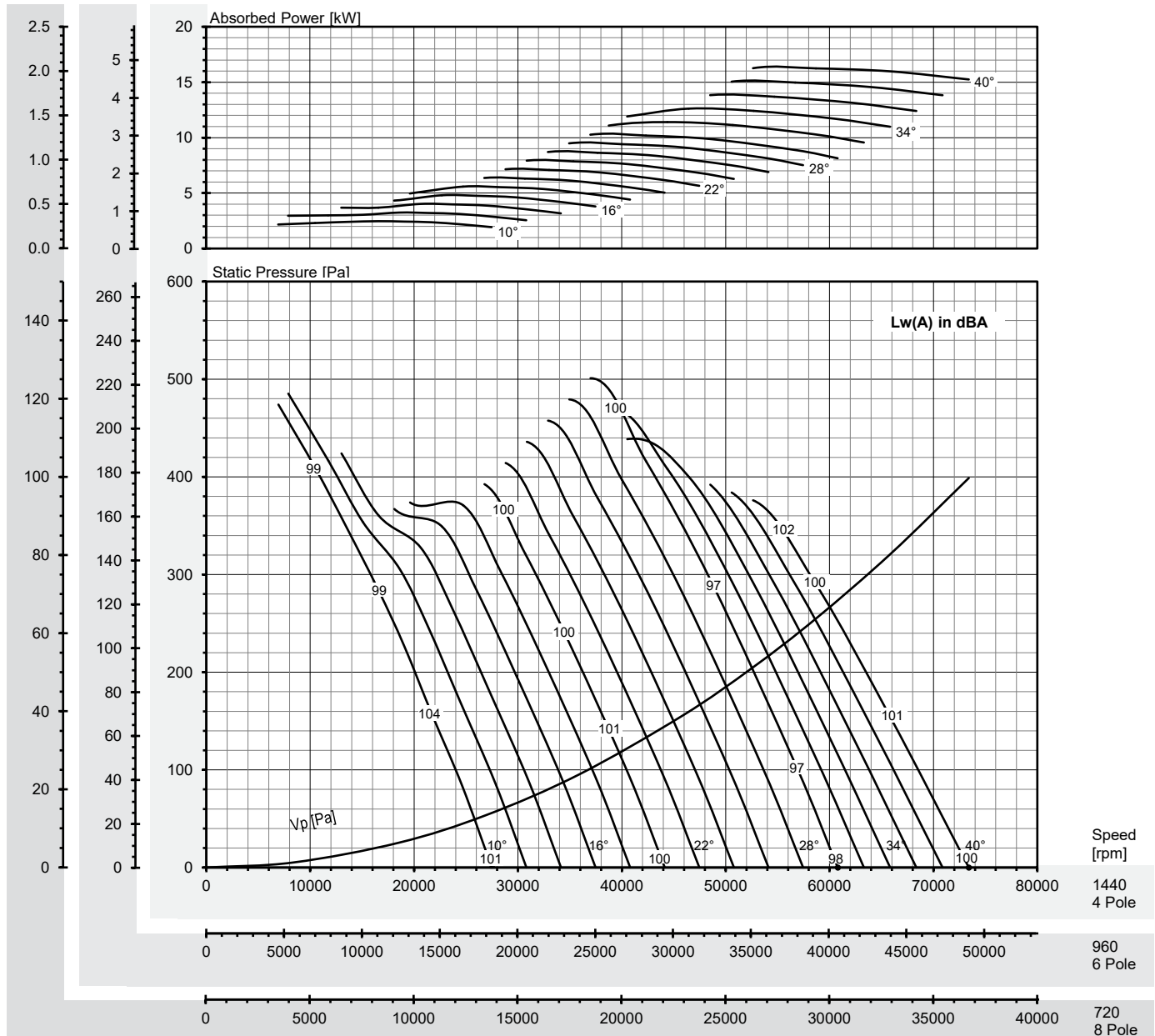
Adjustable Pitch Angle Axial Fan

SERIES TFA 1000-5

Impeller Code : 1000/300
Size : 1000mm

FEG 67

50Hz



Peak Absorbed Power (kW)

Air Volume [m³/h]

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	0.31 0.37	0.41 0.55	0.50 0.75	0.60 0.75	0.70 1.1	0.80 1.1	0.89 1.1	0.99 1.1	1.09 1.1	1.19 1.5	1.28 1.5	1.43 1.5	1.58 1.5	1.73 2.2	1.88 2.2	2.03 2.2	-16	-36
960 motor	0.73 0.75	0.96 1.1	1.19 1.5	1.42 1.5	1.65 2.2	1.89 2.2	2.12 2.2	2.35 3	2.58 3	2.81 3	3.04 4	3.38 4	3.74 4	4.10 5.5	4.46 5.5	4.82 5.5	-10	-30
1440 motor	2.47 3	3.25 4	4.03 5.5	4.81 5.5	5.59 7.5	6.37 7.5	7.15 7.5	7.93 11	8.71 11	9.49 11	10.27 11	11.40 15	12.62 15	13.83 15	15.05 18.5	16.26 18.5	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



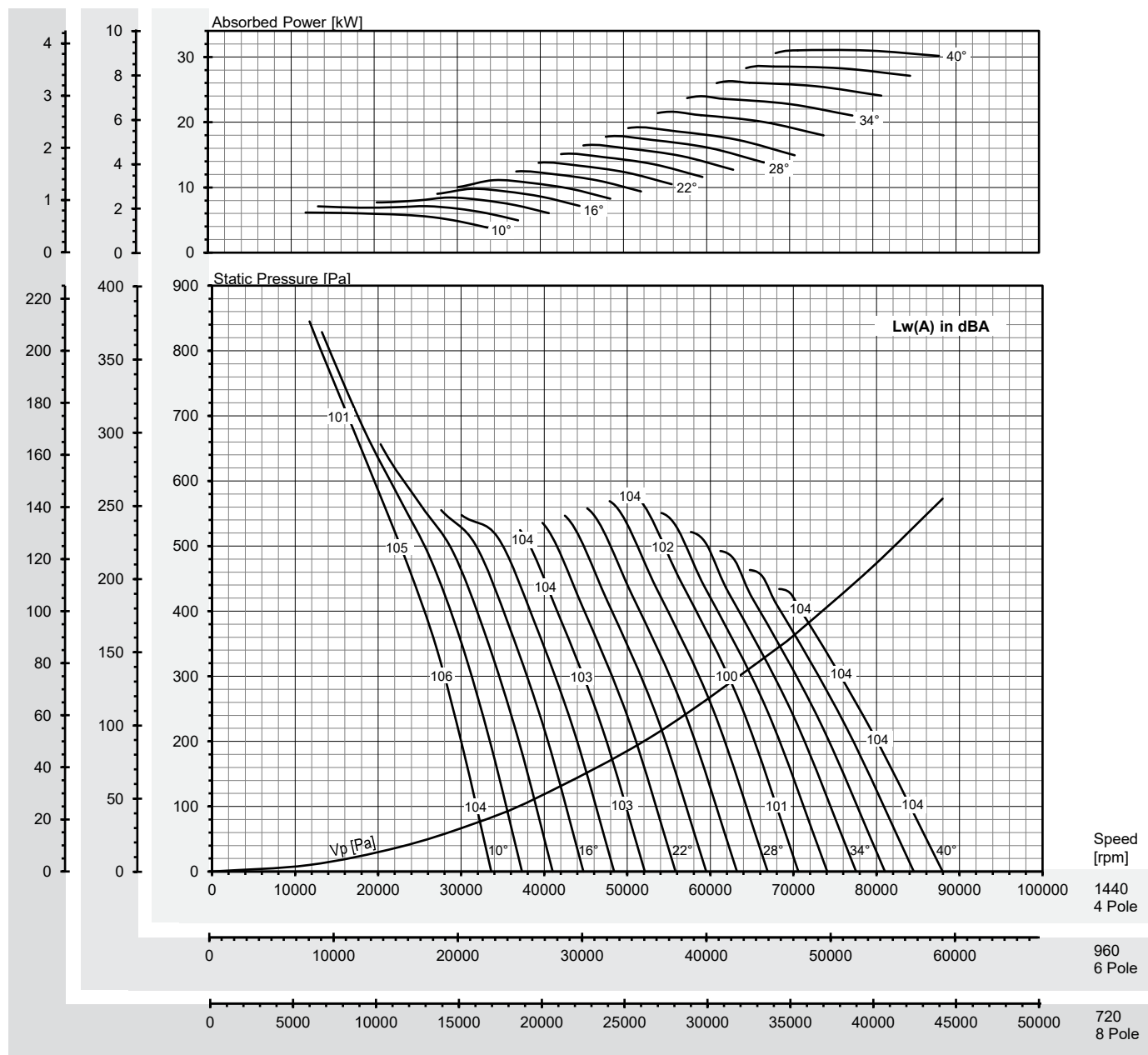
Adjustable Pitch Angle Axial Fan

SERIES TFA 1000-10

Impeller Code : 1000/300
Size : 1000mm

FEG 60

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	0.77	0.89	1.06	1.22	1.39	1.56	1.72	1.89	2.06	2.22	2.39	2.68	2.96	3.26	3.57	3.88	-16	-36
960 motor	1.82	2.11	2.51	2.90	3.29	3.69	4.08	4.48	4.87	5.27	5.66	6.34	7.02	7.72	8.45	9.19	-10	-30
1440 motor	6.15	7.12	8.46	9.79	11.12	12.45	13.78	15.11	16.44	17.77	19.10	21.40	23.70	26.05	28.53	31.02	0	-20

Air Volume [m³/h]

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



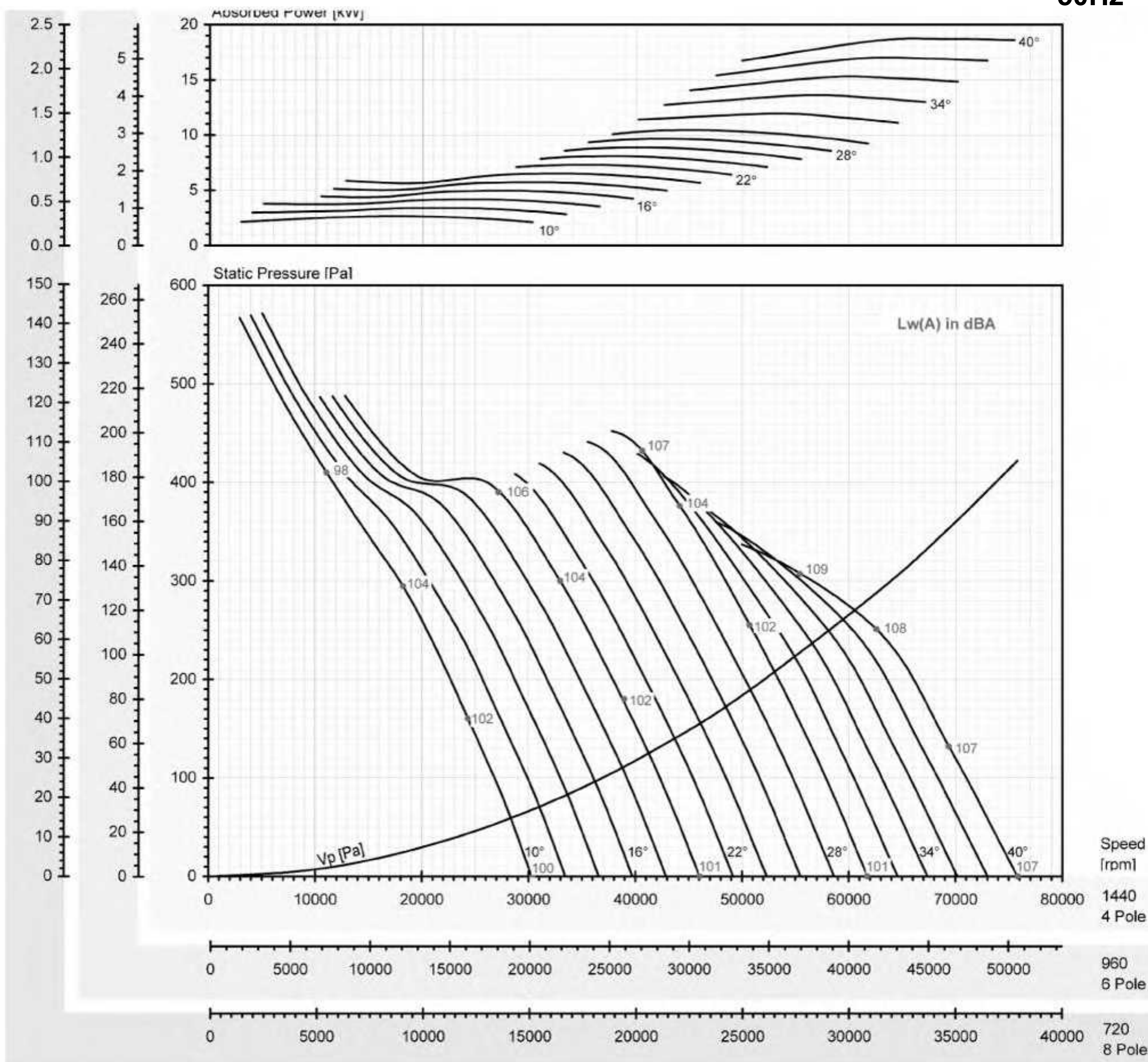
Adjustable Pitch Angle Axial Fan

SERIES TFA 1000-6

Impeller Code : 1000/350
Size : 1000mm

FEG 63

50Hz



Peak Absorbed Power (kW)																	Air Volume fm ³ /h	
N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	0.33 0.37	0.42 0.55	0.52 0.75	0.62 0.75	0.72 1.1	0.82 1.1	0.91 1.11	1.01 1.21	1.11 1.30	1.21 1.49	1.30 1.70	1.49 2.12	1.70 2.34	1.90 2.2	2.12 3	2.34 3	-17	-37
960 motor	0.78 1.1	1.00 1.5	1.23 1.5	1.47 1.5	1.70 2.2	1.93 2.2	2.16 2.40	2.40 2.63	2.63 2.86	2.86 3.09	3.09 3.54	3.54 4.02	4.02 4.51	4.51 5.01	5.01 5.54	5.54 7.5	-10	-30
1440 motor	2.64 3	3.39 4	4.17 5.5	4.95 5.5	5.74 7.5	6.52 7.5	7.30 8.09	8.09 8.87	8.87 9.65	9.65 10.4	10.4 11.9	11.9 13.6	13.6 15.2	15.2 16.9	16.9 18.7	18.7 22	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



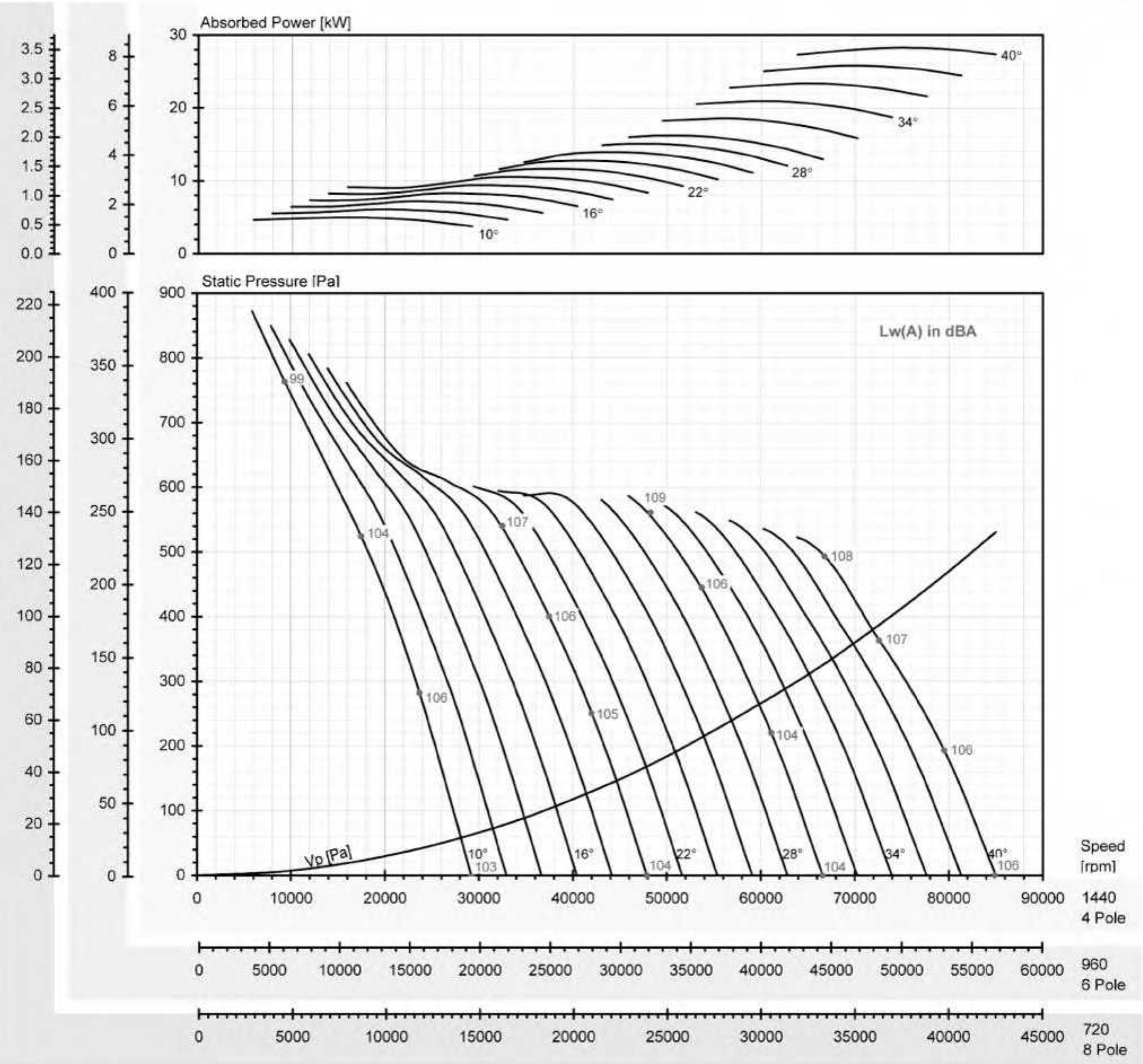
Adjustable Pitch Angle Axial Fan

SERIES TFA 1000-12

Impeller Code : 1000/350
Size : 1000mm

FEG 63

50Hz



Peak Absorbed Power (kW)																	Air Volume (m³/h)	
N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	0.62	0.76	0.90	1.04	1.17	1.31	1.45	1.59	1.72	1.87	2.01	2.32	2.62	2.92	3.22	3.53	-17	-37
	0.75		1.1			1.5			2.2				3			4		
960 motor	1.48	1.81	2.13	2.46	2.78	3.11	3.43	3.76	4.09	4.43	4.77	5.49	6.21	6.92	7.64	8.36	-10	-30
	1.5	2.2		3			4			5.5			7.5			11		
1440 motor	4.99	6.09	7.19	8.29	9.39	10.5	11.6	12.7	13.8	14.9	16.1	18.5	20.9	23.4	25.8	28.2	0	-20
	5.5	7.5			11			15			18.5	22			30			

- 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 LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



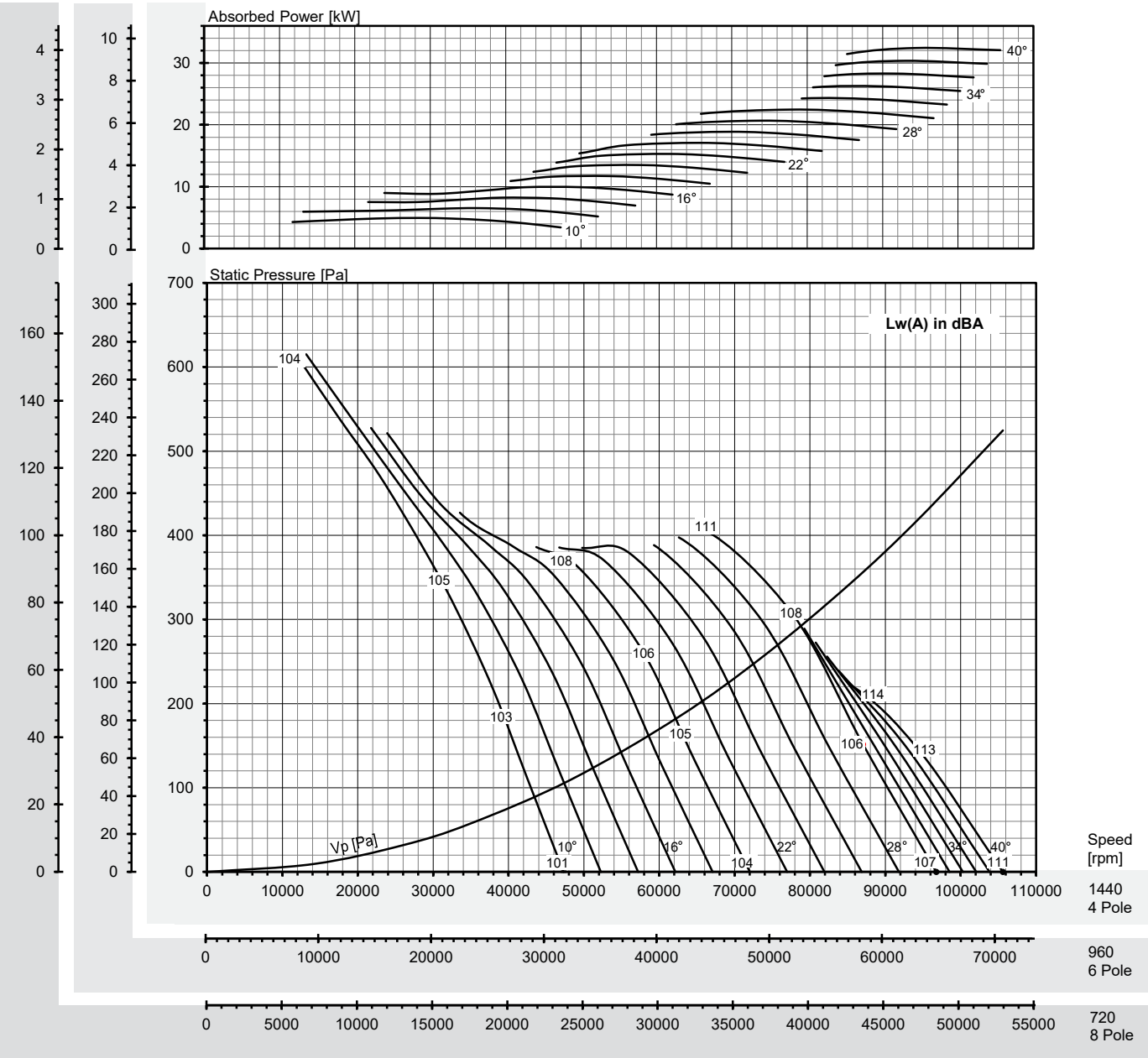
Adjustable Pitch Angle Axial Fan

SERIES TFA 1120-5

Impeller Code : 1120/300
Size : 1120mm

FEG 71

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	0.62 0.75	0.82 1.1	1.03 1.5	1.19 1.5	1.46 1.5	1.69 2.2	1.91 2.2	2.14 2.2	2.36 2.2	2.58 3	2.81 3	3.03 3	3.28 4	3.54 4	3.79 4	4.05 5.5	-17	-37
960 motor	1.47 1.5	1.94 2.2	2.44 3	2.81 4	3.47 4	4.00 5.5	4.53 5.5	5.06 5.5	5.59 7.5	6.13 7.5	6.66 7.5	7.19 7.5	7.77 11	8.38 11	8.99 11	9.61 11	-10	-30
1440 motor	4.96 5.5	6.54 7.5	8.24 11	9.48 11	11.72 15	13.51 15	15.30 18.5	17.09 18.5	18.88 22	20.67 22	22.46 30	24.26 30	26.21 30	28.28 37	30.35 37	32.42 37	0	-20

Air Volume [m³/h]

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



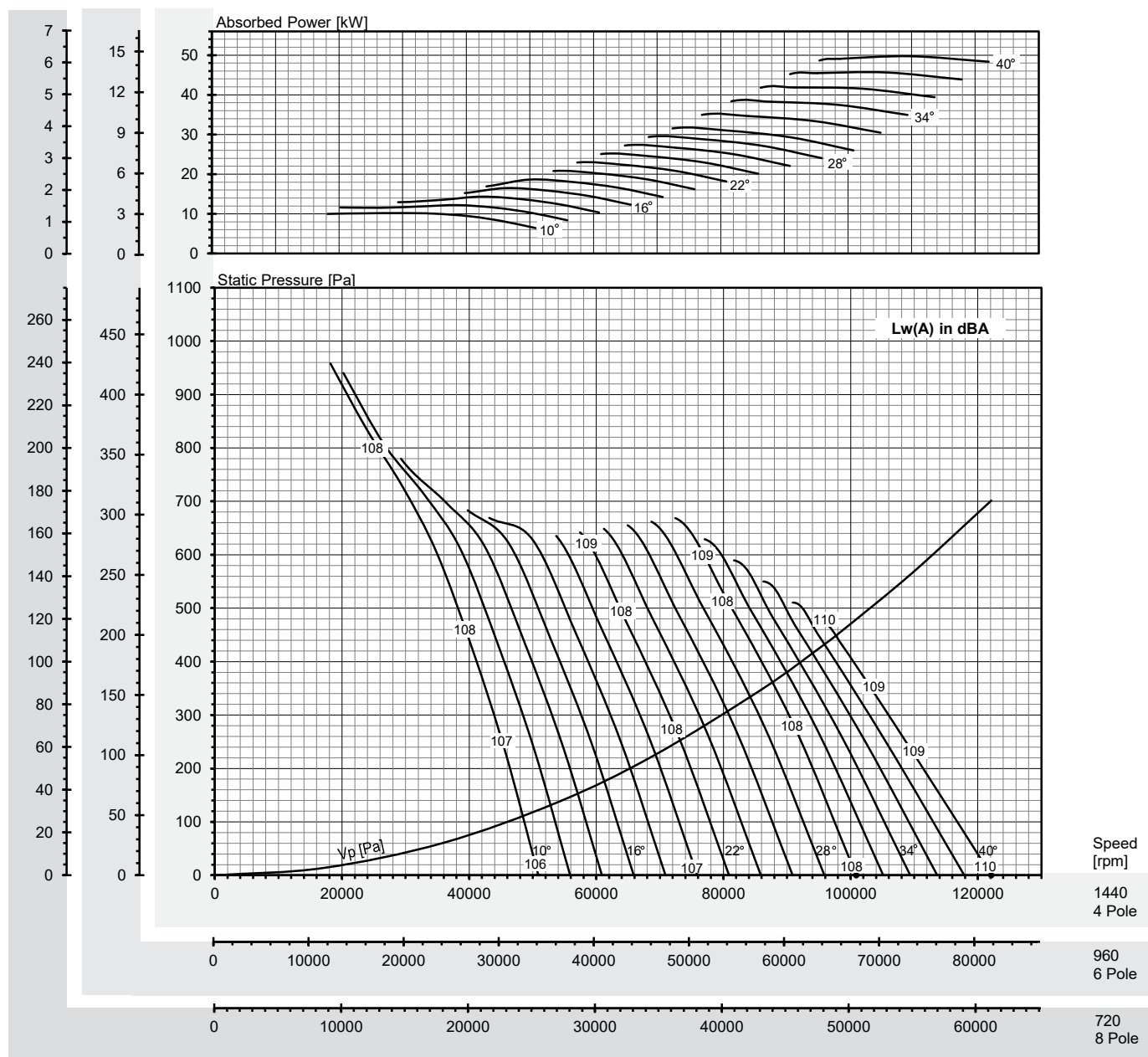
Adjustable Pitch Angle Axial Fan

SERIES TFA 1120-10

Impeller Code : 1120/300
Size : 1120mm

FEG 60

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	1.26 1.5	1.53 1.8	1.79 2.2	2.06 2.5	2.33 2.8	2.60 3.2	2.87 3.5	3.14 3.9	3.40 4.2	3.67 4.5	3.94 4.8	4.37 5.2	4.80 5.8	5.23 6.3	5.70 6.8	6.22 7.5	-17	-37
960 motor	2.98 3	3.62 4	4.25 5	4.89 5.8	5.52 6.6	6.16 7.3	6.80 8.1	7.43 8.8	8.07 9.5	8.70 10.2	9.34 10.8	10.35 11.8	11.37 12.8	12.40 13.8	13.52 14.8	14.73 16.2	-10	-30
1440 motor	10.06 11	12.21 14	14.35 17	16.50 19.5	18.65 22	20.79 24	22.94 27	25.09 29	27.23 31	29.38 33	31.53 35	34.95 38	38.37 41	41.85 44	45.63 47	49.73 50	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



Adjustable Pitch Angle Axial Fan

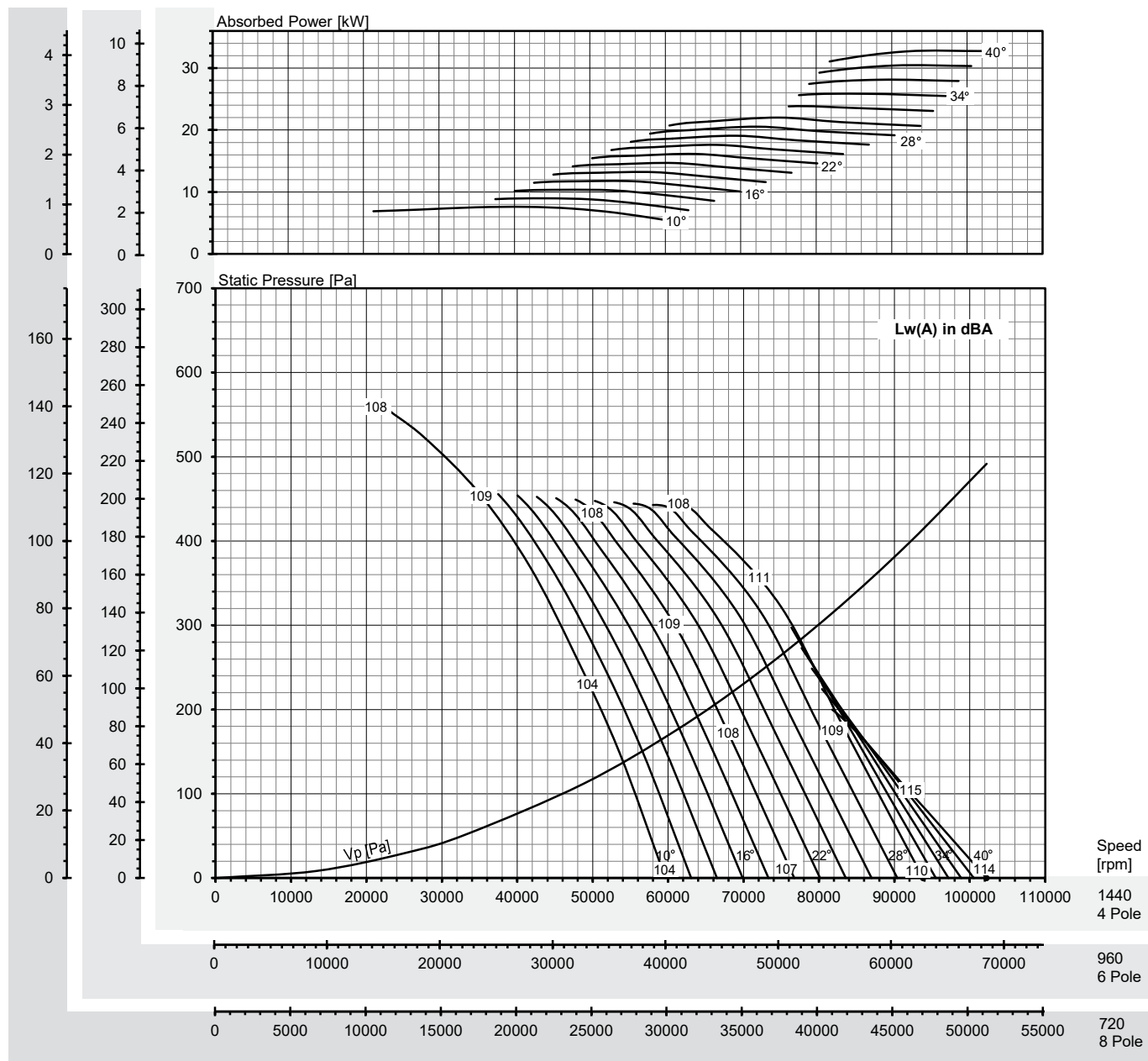
SERIES TFA 1120-6

Impeller Code : 1120/350

Size : 1120mm

FEG 71

50Hz



Peak Absorbed Power (kW)

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	0.95	1.12	1.29	1.47	1.65	1.83	2.02	2.20	2.38	2.57	2.75	2.98	3.23	3.52	3.80	4.09	-19	-39
960 motor	1.1	1.5	2.25	2.66	3.07	3.48	3.91	4.35	4.78	5.22	5.65	6.09	6.52	7.06	7.66	8.33	9.01	9.70
1440 motor	7.60	8.98	10.36	11.73	13.20	14.67	16.14	17.61	19.07	20.54	22.01	23.82	25.84	28.12	30.41	32.74	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



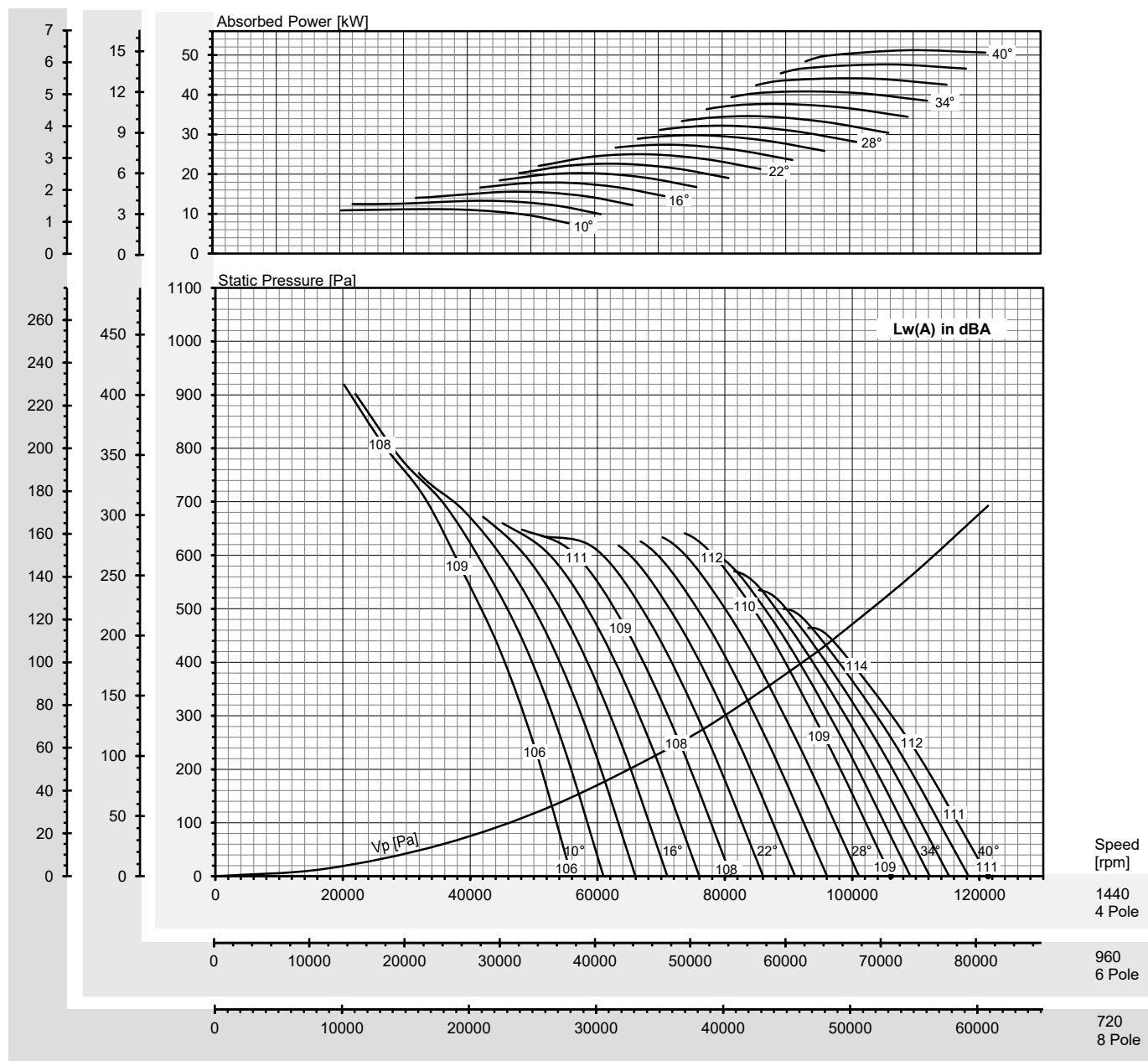
Adjustable Pitch Angle Axial Fan

SERIES TFA 1120-12

Impeller Code : 1120/350
Size : 1120mm

FEG 63

50Hz



Peak Absorbed Power (kW)

Air Volume [m³/h]

N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	1.40	1.66	1.94	2.22	2.52	2.82	3.12	3.42	3.72	4.02	4.33	4.71	5.09	5.50	5.95	6.40	-17	-37
960 motor	1.5	2.2			3		3.12	4			5.5				7.5		-10	-30
1440 motor	11.20	13.31	15.54	17.77	20.18	22.58	24.98	27.39	29.79	32.20	34.60	37.66	40.73	44.03	47.61	51.18	0	-20

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



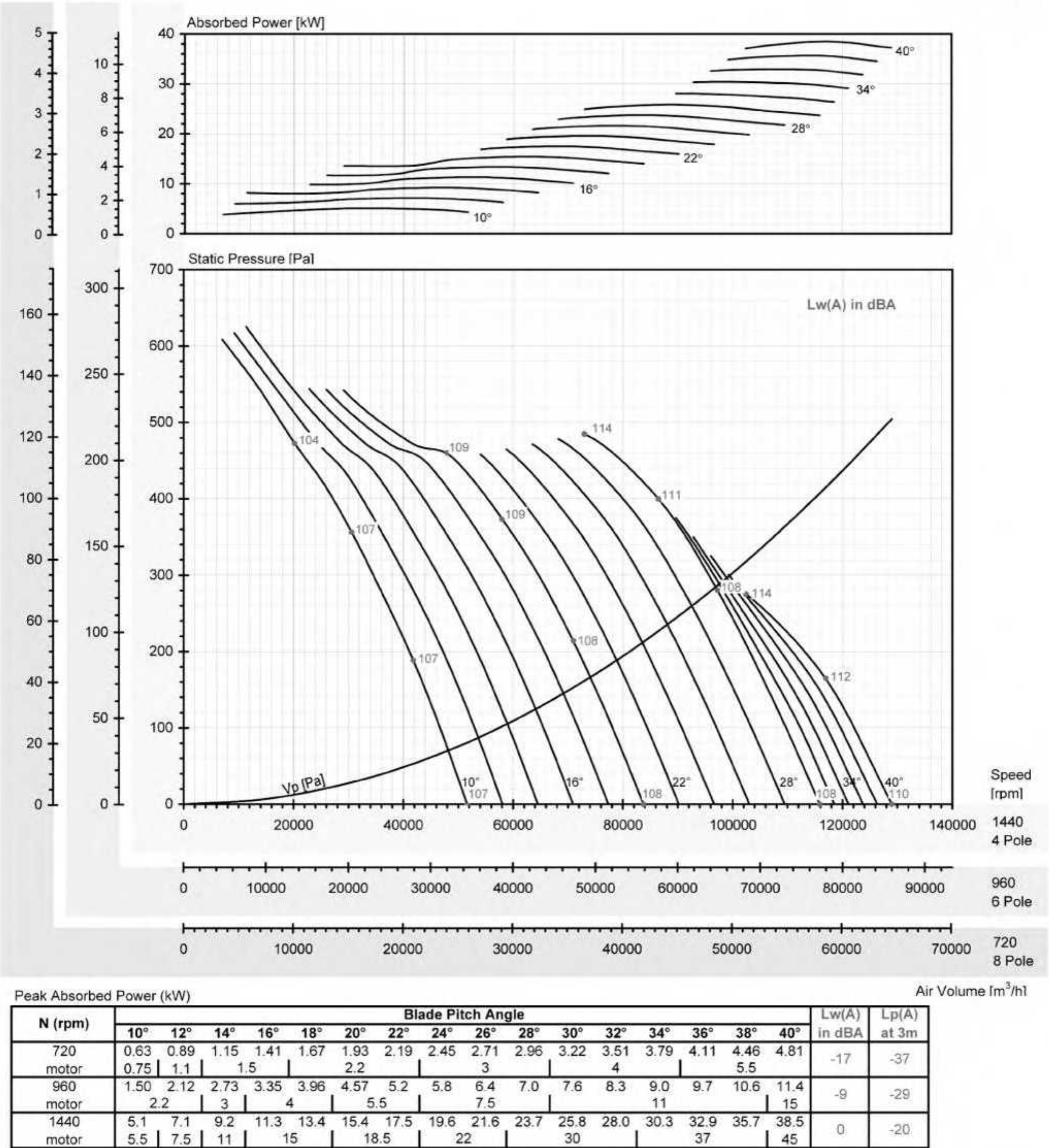
Adjustable Pitch Angle Axial Fan

SERIES TFA 1250-6

Impeller Code : 1250/350
Size : 1250mm

FEG 67

50Hz



- 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 LwIA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



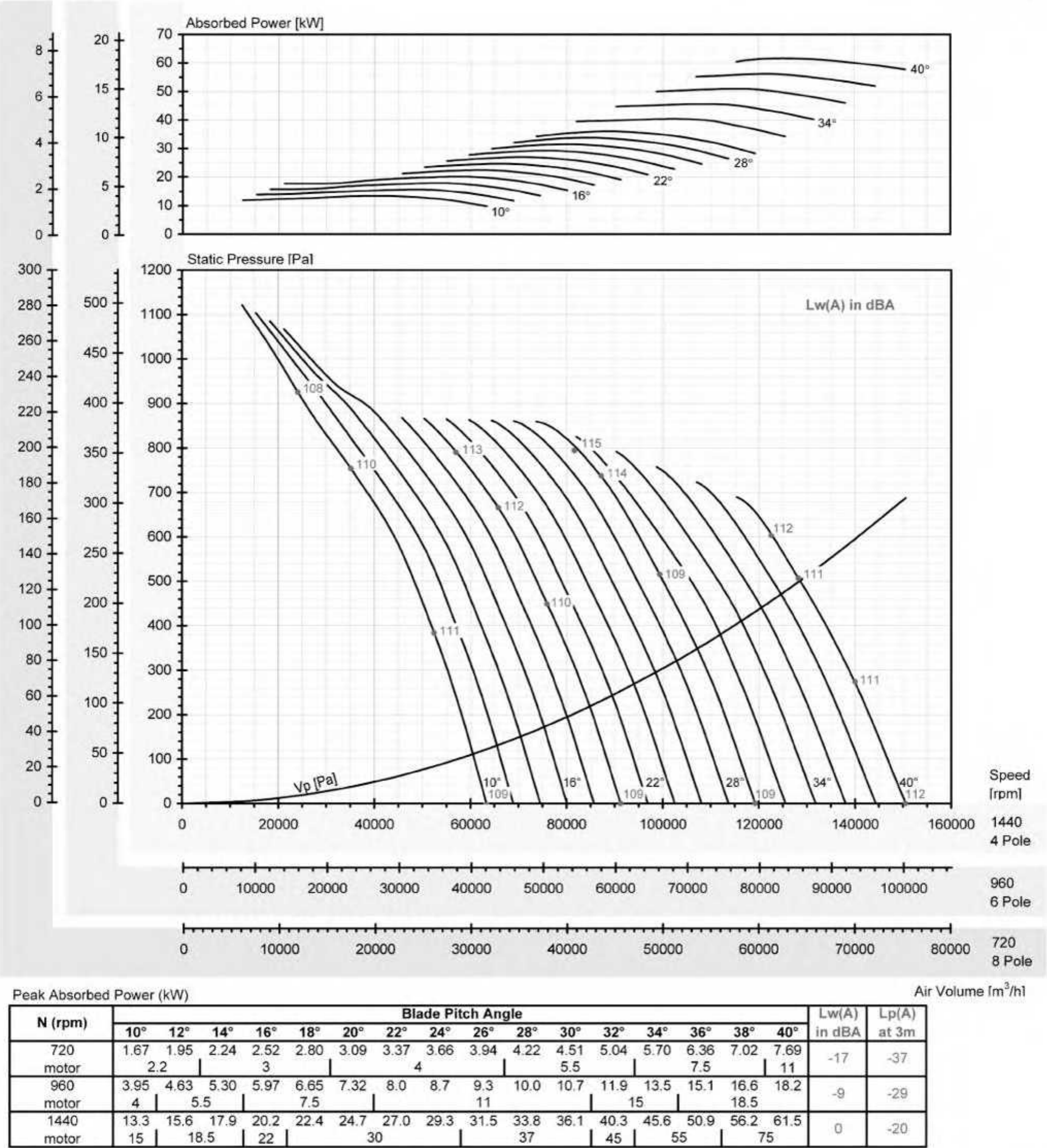
Adjustable Pitch Angle Axial Fan

SERIES TFA 1250-12

Impeller Code : 1250/350
Size : 1250mm

FEG 67

50Hz



- 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 LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



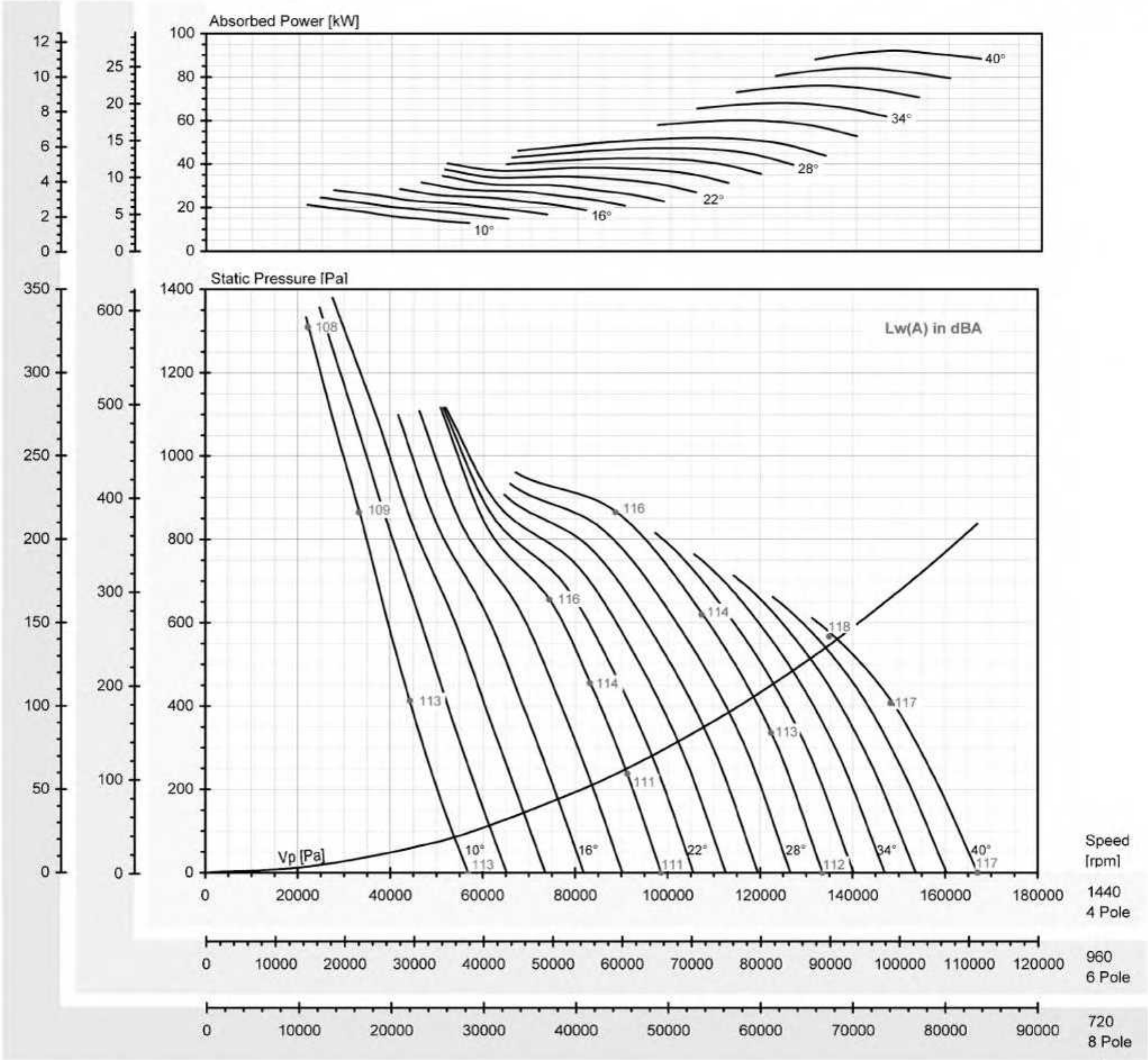
Adjustable Pitch Angle Axial Fan

SERIES TFA 1250-11

Impeller Code : 1250/420
Size : 1250mm

FEG 60

50Hz



Peak Absorbed Power (kW)																	Air Volume [m³/h]	
N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	2.65	3.08	3.51	3.57	3.94	4.32	4.68	5.04	5.31	5.91	6.51	7.51	8.51	9.51	10.5	11.5	-17	-37
	3			4				5.5			7.5		11			15		
960 motor	6.28	7.30	8.31	8.45	9.35	10.2	11.1	12.0	12.6	14.0	15.4	17.8	20.2	22.5	24.9	27.3	-10	-30
	7.5				11				15			18.5	22		30			
1440 motor	21.2	24.6	28.0	28.5	31.6	34.6	37.5	40.3	42.5	47.3	52.0	60.0	68.0	76.0	84.0	92.0	0	-20
	22		30		37			45		55		75		110				

- 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 levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



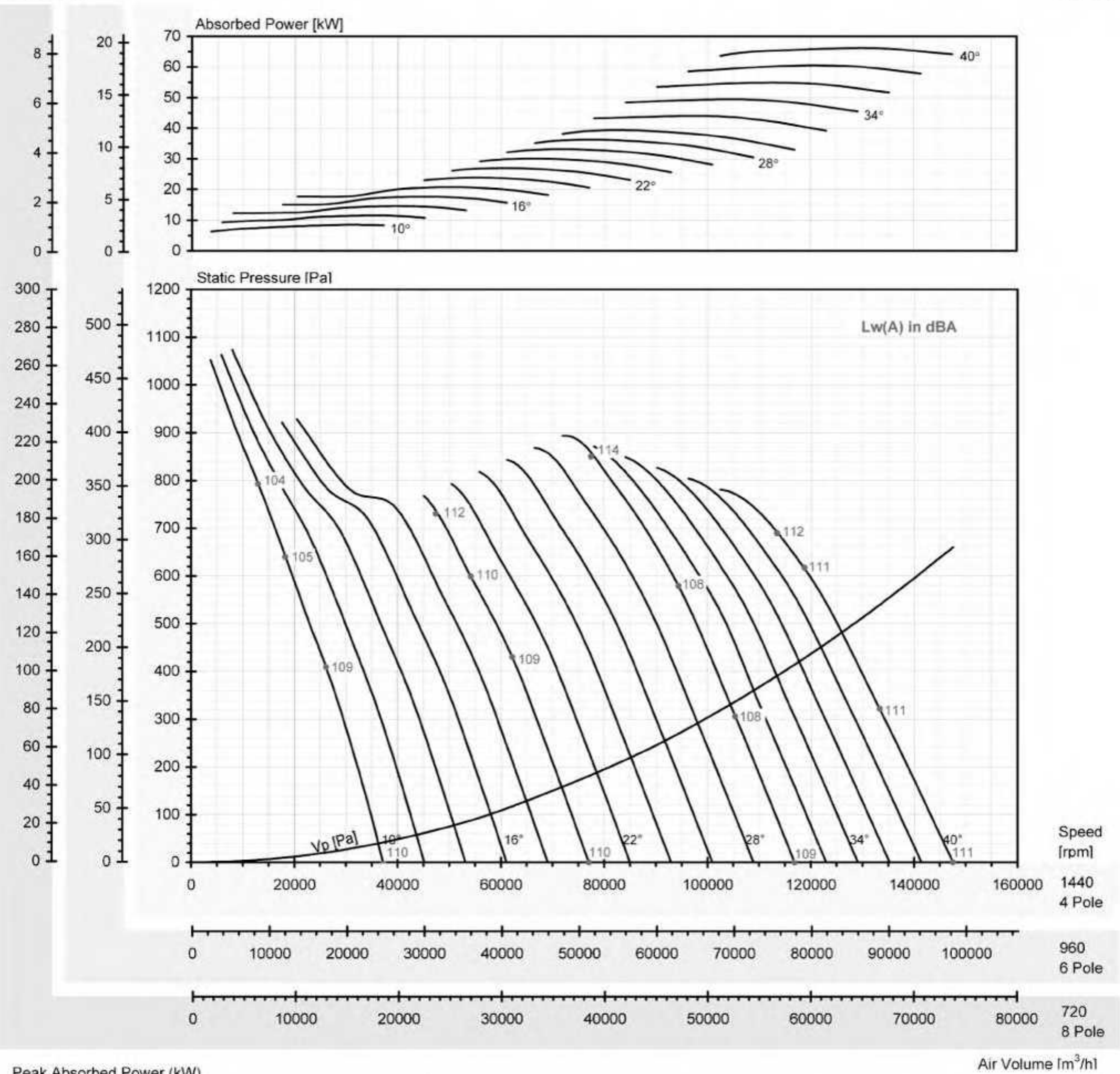
Adjustable Pitch Angle Axial Fan

SERIES TFA 1250-12

Impeller Code : 1250/550
Size : 1250mm

FEG 60

50Hz



Peak Absorbed Power (kW)																	Air	
N (rpm)	Blade Pitch Angle																Lw(A) in dBA	Lp(A) at 3m
	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°		
720 motor	1.07	1.44	1.82	2.21	2.60	2.98	3.37	3.76	4.15	4.54	4.92	5.5	6.2	6.9	7.5	8.3	-17	-37
	1.5		2.2		3		4		5.5		7.5		11					
960 motor	2.53	3.42	4.32	5.2	6.2	7.1	8.0	8.9	9.8	10.8	11.7	13.0	14.6	16.3	17.9	19.6	-9	-29
	3	4	5.5		7.5		11			15			18.5			22		
1440 motor	8.5	11.5	14.6	17.7	20.8	23.9	27.0	30.1	33.2	36.3	39.4	44.0	49.4	54.9	60.3	66.1	0	-20
	11	15		18.5		22	30		37		45		55		75			

- 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 LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
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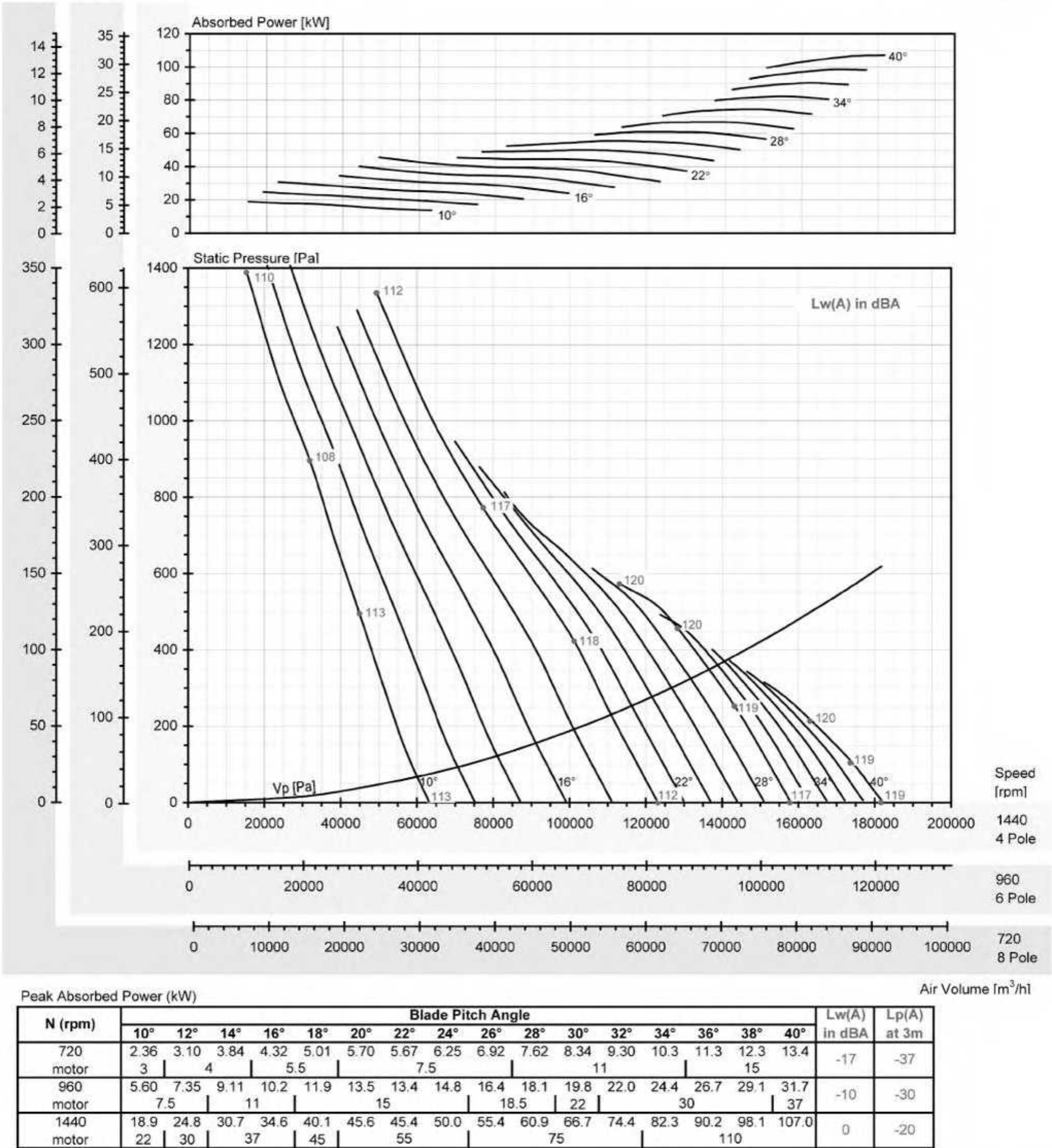
Adjustable Pitch Angle Axial Fan

SERIES TFA 1400-11

Impeller Code : 1400/420
Size : 1400mm

FEG 50

50Hz



- 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 LwIA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



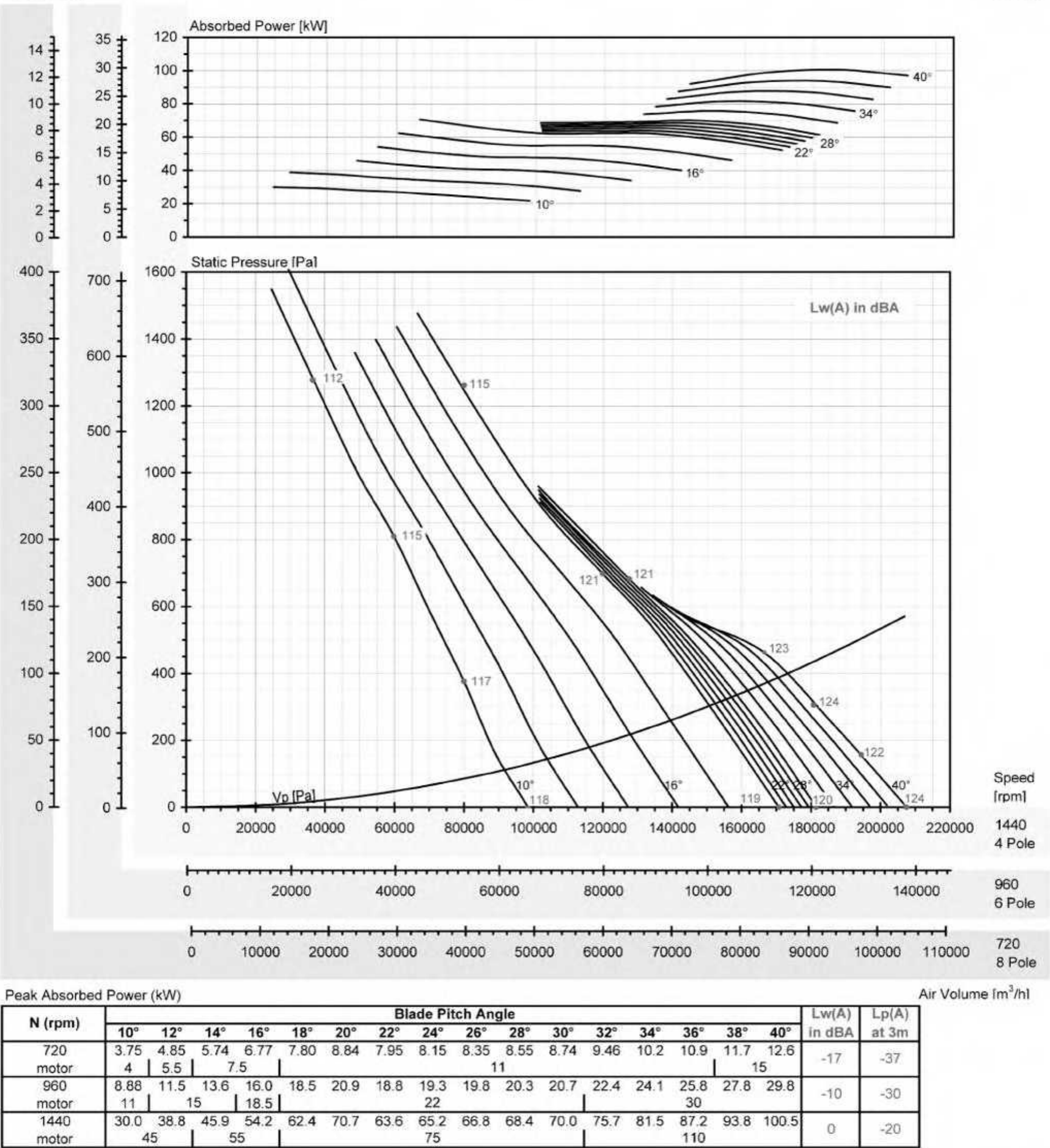
Adjustable Pitch Angle Axial Fan

SERIES TFA 1530-11

Impeller Code : 1530/420
Size : 1530mm

FEG 53

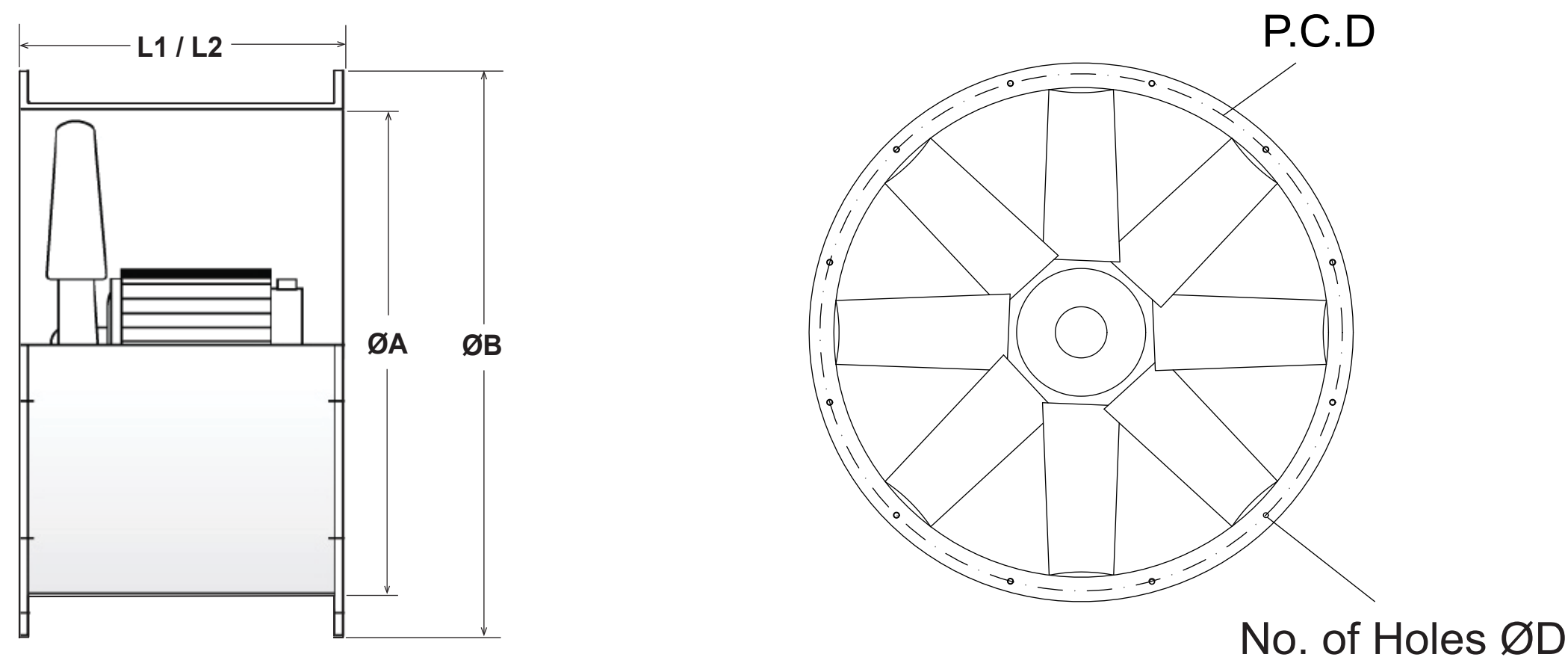
50Hz



- 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 LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct end correction.
- Lp(A) - dBA levels are not licensed by AMCA international



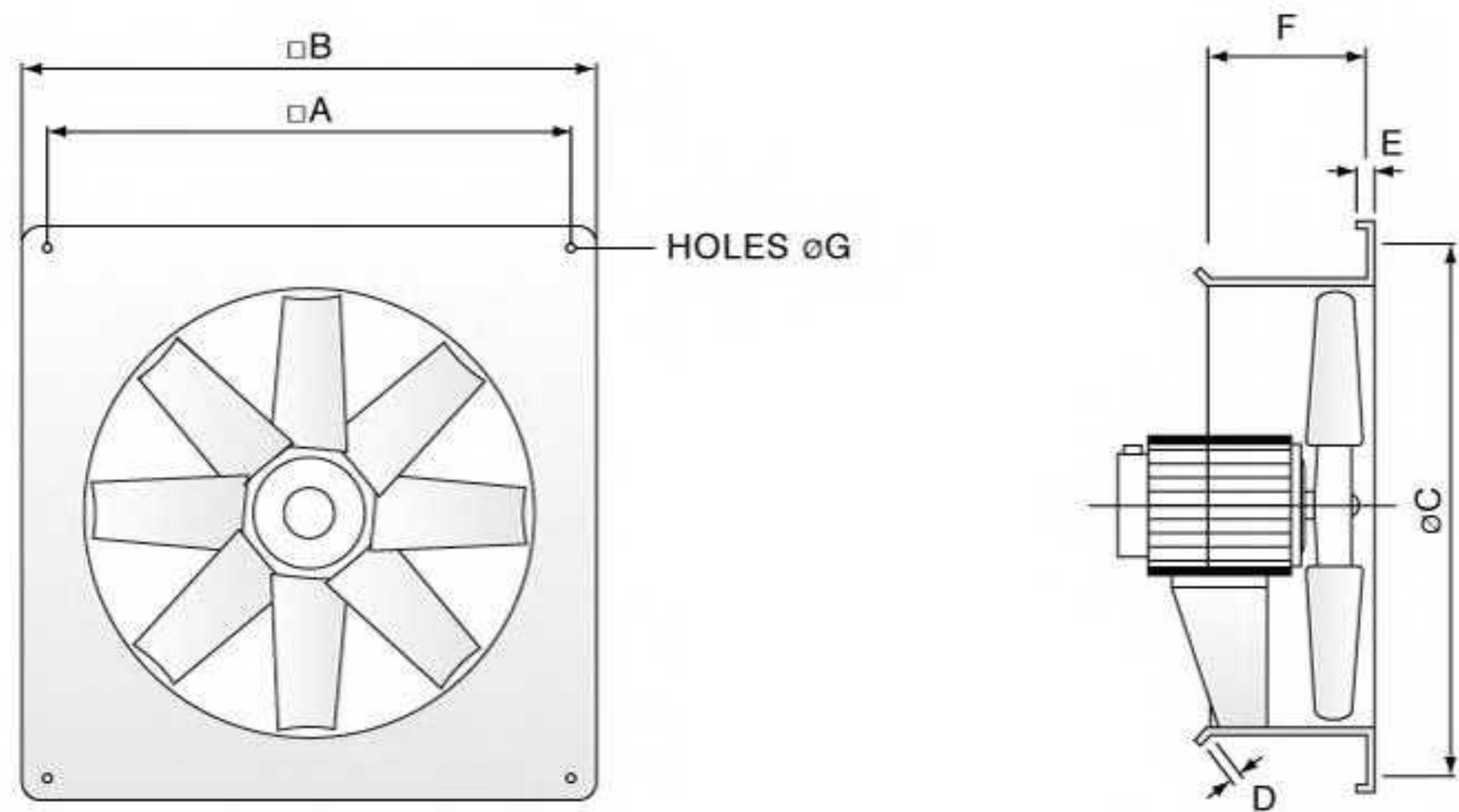
TFA SERIES DIMENSION



Size		Electric Motor (kW)									No. of Holes	Approx. Weight (kg), L1	Approx. Weight (kg), L2	Max Motor Frame Size
TFA	6P	4P	2P	L1	L2	ØA	ØB	ØD	Flange Size	PCD				
315	ALL	ALL	ALL	340	300	315	395	10	40	356	6	12	11	71
400	ALL	ALL	ALL	390	340	400	480	10	40	440	6	16	14	80
500	ALL	ALL	TBA	405	360	500	580	12	40	540	8	20	19	90S
560	ALL	ALL	TBA	435	390	560	640	12	40	606	8	24	22	90L
630	ALL	ALL	TBA	85	430	630	720	12	45	678	12	34	32	100LB
710	ALL	ALL	TBA	510	450	710	800	12	45	764	12	51	47	112M
	-	-	TBA	590	510	710	800	12	45	764	12	57	52	132M
800	ALL	≤5.5	-	525	450	800	900	12	50	856	12	60	55	132S
	-	≤7.5	-	630	550	800	900	12	50	856	12	68	63	132M
900	ALL	≤5.5	-	585	510	900	1000	12	50	956	12	73	67	132S
	-	≤7.5	-	630	550	900	1000	12	50	956	12	76	70	132M
1000	≤5.5	≤7.5	-	630	550	1000	1100	12	50	1056	12	85	78	132M
	≤11.0	≤22.0	-	790	710	1000	1100	12	50	1056	12	110	103	180L
1120	≤11.0	≤15.0	-	712	640	1120	1220	15	50	1176	16	100	93	160L
	≤22.0	≤30.0	-	835	740	1120	1220	15	50	1176	16	116	106	200L
	≤37.0	≤55.0	-	935	840	1120	1220	15	50	1176	16	160	151	250S
	≤75.0	≤90.0	-	1155	1050	1120	1220	15	50	1176	16	184	174	280M
1250	≤11.0	≤15.0	-	712	640	1250	1350	15	50	1306	16	112	104	160L
	≤22.0	≤30.0	-	835	740	1250	1350	15	50	1306	16	129	118	200L
	≤37.0	≤55.0	-	935	840	1250	1350	15	50	1306	16	178	168	250S
	≤75.0	≤90.0	-	1155	1050	1250	1350	15	50	1306	16	205	194	280M
1400	≤22.0	≤30.0	-	835	740	1400	1510	15	55	1456	16	145	133	200L
	≤37.0	≤55.0	-	935	840	1400	1510	15	55	1456	16	207	195	250S
	≤75.0	≤90.0	-	1155	1050	1400	1510	15	55	1456	16	239	226	280M
1530	≤30.0	≤37.0	-	885	790	1530	1640	20	55	1586	24	213	200	225S
	≤37.0	≤55.0	-	1000	890	1530	1640	20	55	1586	24	234	219	250M
	≤75.0	≤90.0	-	1155	1050	1530	1640	20	55	1586	24	256	242	280M

* The actual dimension is subject to the motor frame size used, kindly refer to GTG Technical Submittal for further details.
* Weight indicated above excluded the weight of motor, hub and fan blades.

TFA-Q SERIES DIMENSION



Size	Electric Motor (kW)			A	B	C	D	E	F	G	Approx. Weight (kg)	Max. Motor Frame Size
	6P	4P	2P									
315	ALL	ALL	TBA	395	445	395	30	30	205	9	15	71
400	ALL	ALL	≤1.10	480	530	480	30	30	205	9	19	80
500	ALL	ALL	TBA	580	630	580	30	30	232	11	24	90S
560	ALL	ALL	TBA	640	690	640	30	30	232	11	27	90L
630	ALL	ALL	TBA	705	760	720	30	40	305	11	39	100LB
710	ALL	ALL	ALL	785	840	800	30	40	305	14.5	58	112M
	-	-	≤5.50	785	840	800	30	40	305	14.5	60	132M
800	ALL	≤5.50	-	895	955	900	30	40	305	14.5	69	132S
	≤7.50	≤7.50	-	895	955	900	30	40	305	14.5	70	132M
900	ALL	≤5.50	-	995	1055	1000	30	40	420	14.5	89	132S
	-	≤7.50	-	995	1055	1000	30	40	420	14.5	89	132M
1000	≤5.50	≤7.50	-	1095	1155	1100	30	40	420	14.5	99	132M
	≤11.0	≤22.0	-	1095	1155	1100	30	40	420	14.5	112	180L

*The actual dimension is subject to the motor frame size used, kindly refer to GTG Technical Submittal for further details
*Weight indicated above excluded the weight of motor, hub and blades



GTG Industries Sdn Bhd

(912584-W)

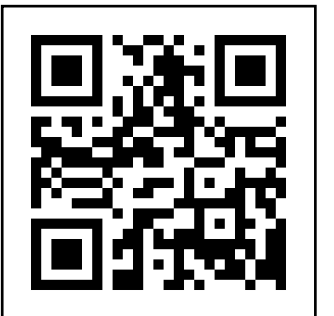
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