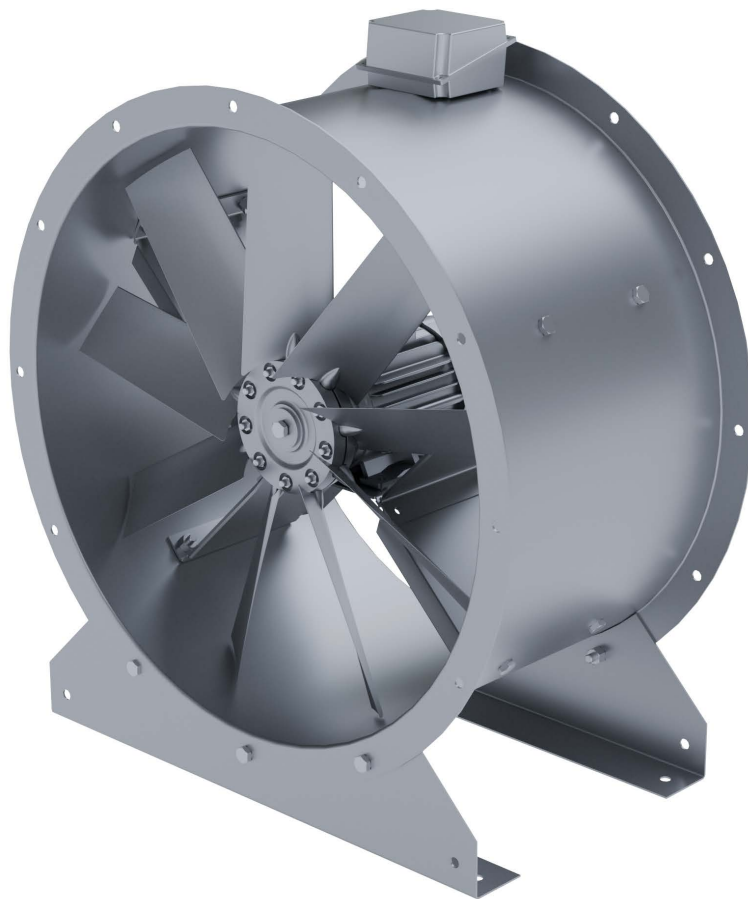


WE CARE FOR YOUR NEEDS

AXIAL FAN

AXF Series



AXF SERIES

AXIAL FLOW FAN

TABLE OF CONTENTS

<i>CONSTRUCTION FEATURES</i>	<i>02</i>
<i>CERTIFICATIONS</i>	<i>03</i>
<i>EXPLODED VIEW</i>	<i>04</i>
<i>PROTECTIVE COATINGS</i>	<i>05</i>
<i>MOTORS & CONTROLS</i>	<i>06</i>
<i>SELECTION & ORDERING GUIDE</i>	<i>07</i>
<i>FAN TOTAL EFFICIENCY</i>	<i>08</i>
<i>FAN DATA</i>	<i>09-40</i>
<i>DIMENSIONAL DATA</i>	<i>41-42</i>
<i>ACCESSORIES</i>	<i>43-49</i>



CONSTRUCTION FEATURES

Energy Twin City Axial Flow Fans are engineered to deliver reliable and efficient performance across a wide range of ventilation applications and installation configurations. Available in sizes ranging from 315 mm to 1600 mm in diameter, these fans provide airflow capacities from 1,000 m³/h to 230,000 m³/h, with total static pressures of up to 1,500 Pa.

To meet specialized application requirements, Energy Twin City also offers custom-engineered solutions, including bigger sizes, high-pressure, explosion-proof, smoke extraction, corrosion-resistant, various mounting positions and other application-specific fan designs. Please contact the factory for technical consultation and customized solutions.



Casings

Standard fan casings and motor brackets are made of mild steel. Steel casing components are hot-dip galvanized after manufacturing. The fan is equipped with integral flanges at both ends, ensuring easy installation and compatibility with standard ductwork systems.

Impellers

The ETC impeller is manufactured from cast aluminium alloy with an aerodynamic blade design for high efficiency and low noise. Pitch-adjustable blades allow precise performance optimization, while multiple blade configurations provide a wide operating range to suit various application requirements.

Motors

ETC axial flow fans are equipped with totally enclosed squirrel-cage induction motors compliant with IEC 60034. Standard motors feature Class F insulation and IP55 protection, ensuring reliable operation in ambient temperatures from -20°C to +50°C.

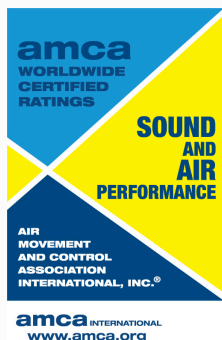
For smoke extraction applications, F400 motors with Class H insulation, certified in accordance with EN 12101-3 for operation at 400°C for 2 hours (F400), are available. Other special motor options can also be supplied upon request.

Forms of Running

ETC axial flow fans are available in all airflow configurations to suit various installation requirements. The standard configuration is motor-to-impeller airflow. The required airflow direction should be specified at the time of order. Each fan is clearly labeled to indicate the airflow direction and impeller rotation for correct installation.



CERTIFICATIONS



1. AMCA Sound & Air Performance

Energy Industrial Company L.L.C. certifies that the AXF models shown in the fan data section 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.



2. Smoke and heat control systems

F400 (400 C / 2 hrs) smoke and heat control certification in accordance with EN 12101-3:2015. Certified models carry the Applus fire-safety label.



3. Low Voltage Directive

IEC 60335-2-80:2015 in conjunction with IEC 60335-1:2010 and related amendments.



4. EMC Directive

EN 55014-1, EN IEC 61000-3-2, EN 61000-3-3 and EN 55014-2 conformity references.



5. RoHS Directive

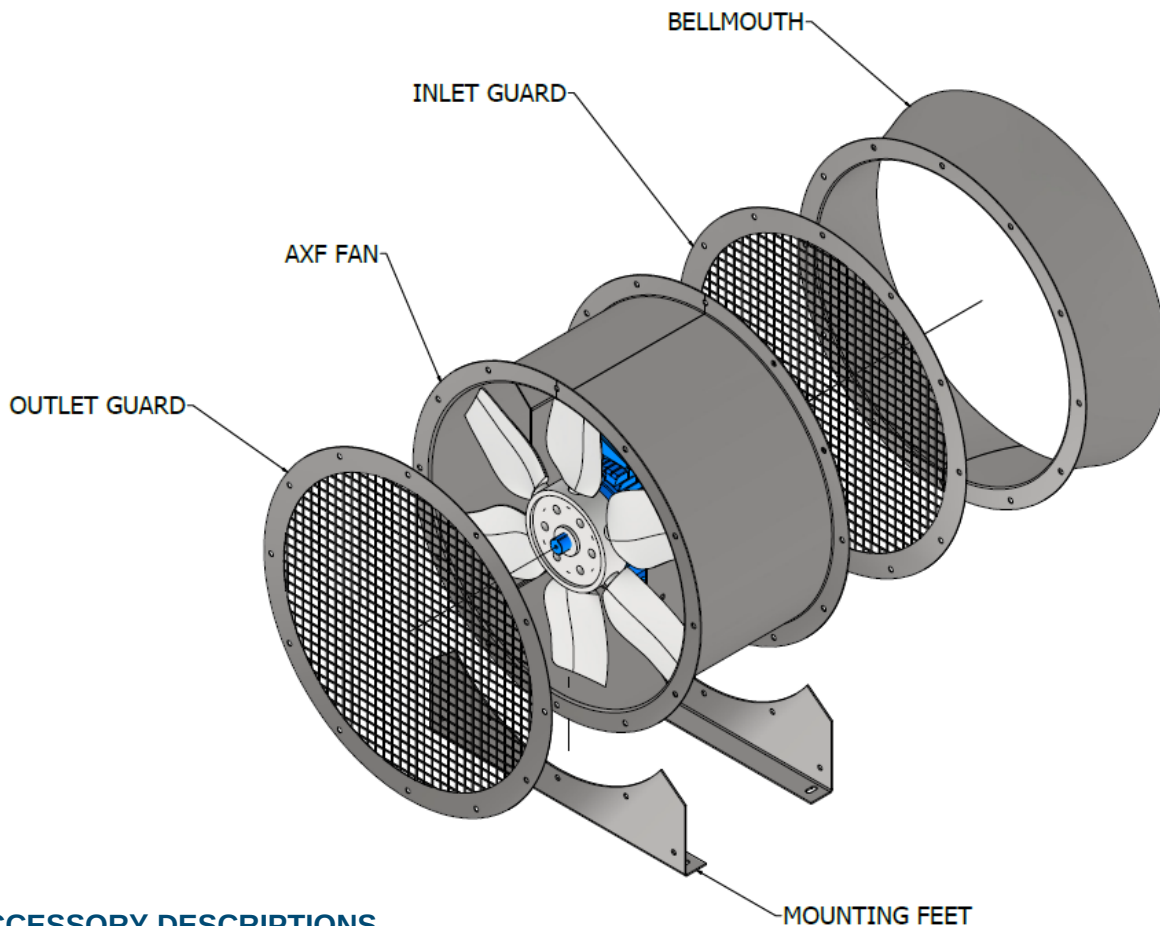
Restriction of Hazardous Substances in Electrical and Electronic Equipment.

AXF SERIES

AXIAL FLOW FAN

EXPLODED VIEW

AXF fans are engineered for adaptability. A wide range of optional accessories is available to meet specific application requirements, support ease of installation and maintenance, and optimize fan performance.



ACCESSORY DESCRIPTIONS

Inlet Guard

Protects the fan from debris and prevents accidental contact with the impeller.

Bellmouth Inlet

Smooths incoming airflow to reduce turbulence, improve efficiency and enhance performance.

Companion Flange

Facilitates easy connection to ductwork and accessories with a secure leak-free interface.

Outlet Guard

Protects the fan discharge and helps prevent debris from entering the system.

Inspection Section

Provides provide easy access for visual inspection of the impeller motor and internal components, simplifying routine maintenance and reducing downtime.

Access Door (Optional)

Allows quick access to the inspection section for routine service and cleaning.

Mounting Feet

Support stable installation and help ensure proper alignment and structural support.

Vibration Isolators (Optional)

Minimize vibration transfer to the structure, reducing noise and extending equipment life.

PROTECTIVE COATINGS

AXF axial fans are engineered for long service life in demanding environments. Protective coating options enhance corrosion and chemical resistance, helping extend equipment life, reduce maintenance and maintain performance.

- **EXTENDED LIFE** Protects critical components from corrosion and wear.
- **RESISTANT FINISHES** Engineered for harsh chemical and marine environments.
- **RELIABLE PERFORMANCE** Consistent operation with reduced maintenance.



COATING TYPE	TYPICAL APPLICATION	RECOMMENDED ENVIRONMENT	KEY BENEFITS
STANDARD EPOXY COATING	General indoor and outdoor industrial use including ventilation, HVAC, and process applications,	Mild to moderate environments with exposure to moisture, dust and typical industrial conditions.	• Durable smooth finish • Good corrosion resistance • Cost-effective protection
ACID RESISTANT COATING	Chemical processing areas, fertilizer plants, wastewater facilities and other corrosive locations.	Exposure to acidic vapors, chemicals or corrosive process conditions.	• Improved resistance to acids • Protects against chemical attack • Extends service life
C5 MARINE COATING	Coastal facilities, marine and offshore platforms, sewage treatment plants and salt-laden environments.	Severe corrosive environments including coastal, marine, offshore, high humidity and salt spray.	• Enhanced corrosion protection • Superior resistance to salt-spray and moisture • Ideal for harsh marine exposure

SELECTION CONSIDERATIONS

Moisture Exposure

Evaluate humidity, water spray and condensation conditions.

Chemical Exposure

Identify acids, alkalis, solvents or other corrosive agents.

Coastal Atmosphere

Consider proximity to coast and salt-laden air.

Temperature Conditions

Account for operating temperature and thermal cycling.

Maintenance Expectations

Select coatings aligned with maintenance schedule and life-cycle goals.



STANDARD EPOXY

General Industrial

ACID RESISTANT

Chemical & Corrosive Areas

C5 MARINE

Coastal & Offshore

MOTORS & CONTROLS

AXF axial fans are available with a wide range of motor and control options tailored to project requirements. Motors are selected for efficiency, reliability and compliance with international standards. Flexible controls and practical accessories make installation and operation simple and safe.



MOTOR FEATURES

- **IEC motors compliant with IEC 60034**
High efficiency, proven performance
- **50/60 Hz availability**
Suitable for global applications
- **Operating ambient -20 C to +50 C**
Designed for demanding environments
- **VFD compatibility available**
Supports variable speed control for energy savings
- **Protection options IP55**
Higher IP ratings available on request
- **Smoke-rated motor options**
F400, 400 C/2 hrs for applicable smoke-rated fans



Controls and accessories configured to your needs.

PRACTICAL OPTIONS

- **Extended leads**
Factory-installed extended motor leads for easier installation
- **Terminal box arrangement**
Multiple mounting positions available to suit installation
- **Local isolator / disconnect switch**
Available as accessory for safe isolation and maintenance



MOTOR & CONTROL OPTIONS COMPARISON

FEATURE	AXF (STANDARD)	AXF-R (REVERSIBLE)
Frequency	50 / 60 Hz	50 / 60 Hz
Ambient Range	-20 C to +50 C	-20 C to +50 C
Motor Standard	IEC motors to IEC 60034	IEC motors to IEC 60034
Protection	IP55 (higher IP on request)	IP55 (higher IP on request)
Control Compatibility	VFD compatible	VFD compatible
Typical Application	General ventilation, industrial process, HVAC, parking	Tunnel ventilation, reversible airflow applications

SELECTION & ORDERING GUIDE

1. MODEL NUMBER CODE BREAKDOWN

Use the model number code to specify the exact configuration of your AXF axial fan.

AXF - 800 - 4P - 50Hz - 32° - F400 - C5

FAN SERIES	SIZE	POLES	FREQUENCY	BLADE ANGLE	SMOKE RATING	COATING
AXF High Performance Axial Fan	315, 355, 400, 450, 500, 560, 630, 710, 800, 900, 1000, 1120, 1250, 1400, 1600	2P, 4P, 6P, 8P	50Hz or 60Hz	Typical range 8° to 40°	F400 (400 C/2 hrs)	C3 Standard C4 High C5 Very High (Marine)

2. SELECTION & ORDERING CHECKLIST

Complete the checklist before release to quotation or production.

ITEM	DESCRIPTION / OPTIONS	REQ.
☐ AIRFLOW & PRESSURE DUTY POINT	Required airflow (m3/h or CFM) and static pressure at operating point.	_____
☐ OPERATING TEMPERATURE	Minimum / maximum ambient temperature. Indicate continuous high temperature.	_____
☐ VOLTAGE / FREQUENCY	Supply voltage (V), phase and frequency (Hz).	_____
☐ MOUNTING ARRANGEMENT	Wall, flange or duct mounted. Specify orientation if required. Specify Junction box position.	_____
☐ AIRFLOW DIRECTION	S = Straight through R = Reversible	_____
☐ COATING REQUIREMENT	Corrosion protection category C3 / C4 / C5.	_____
☐ NOISE ATTENUATION	Standard, low-noise or attenuator. Specify LwA or dBA target.	_____
☐ ACCESSORIES	Guards, isolators, flexible connectors, dampers, mounting feet, etc.	_____
☐ CERTIFICATION / SMOKE RATING	F400 and project-specific certifications.	_____



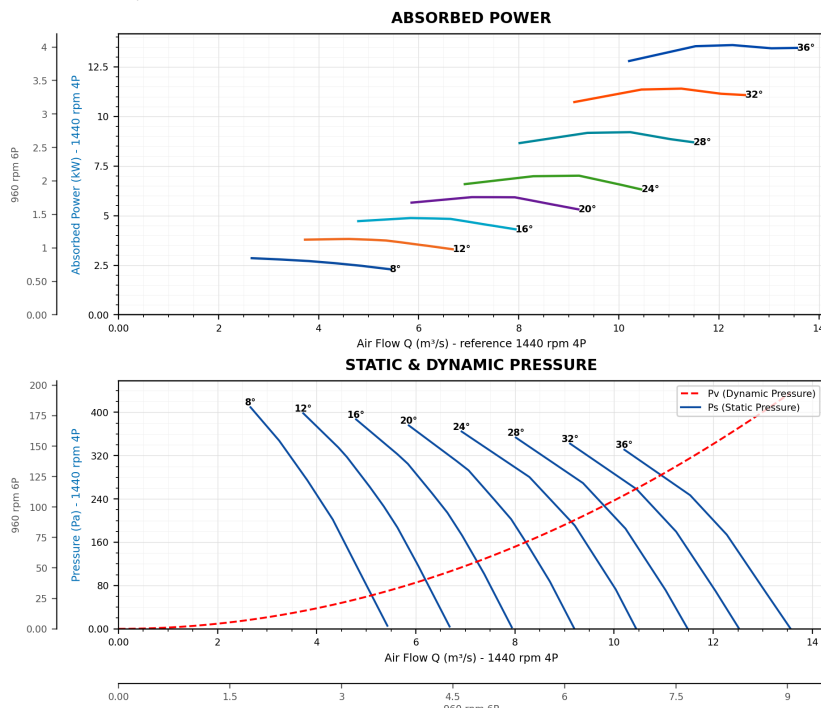
ORDERING NOTE
Confirm model code, airflow duty point, motor data, coating, junction box position and certification before production release.

FAN TOTAL EFFICIENCY

AXF800

AXIAL FLOW FAN | 50 Hz

$\rho = 1.2 \text{ kg/m}^3$



HOW TO CALCULATE FAN TOTAL EFFICIENCY

Fan total efficiency is defined as the ratio of the useful air power (airflow × total pressure) to the shaft power input, providing a measure of the fan's overall aerodynamic performance and energy efficiency.

$$\text{Total Efficiency (\%)} = (Q \times P_t) / (10 \times \text{Shaft Power})$$

Q = airflow (m^3/s)

$P_t = P_s + P_v$ (Pa)

P_s = static pressure (Pa)

$P_v = 0.6 \times Q^2 / A^2$ Where A = cross-sectional area (m^2) and P_v represents the dynamic pressure (Pa). Shaft Power (kW).

Model	A^2	Model	A^2	Model	A^2
315	0.0061	560	0.0606	1000	0.6162
355	0.0098	630	0.0971	1120	0.9696
400	0.0158	710	0.1566	1250	1.5045
450	0.0253	800	0.2524	1400	2.3673
500	0.0385	900	0.4043	1600	4.0385

AXF SERIES

AXIAL FLOW FAN

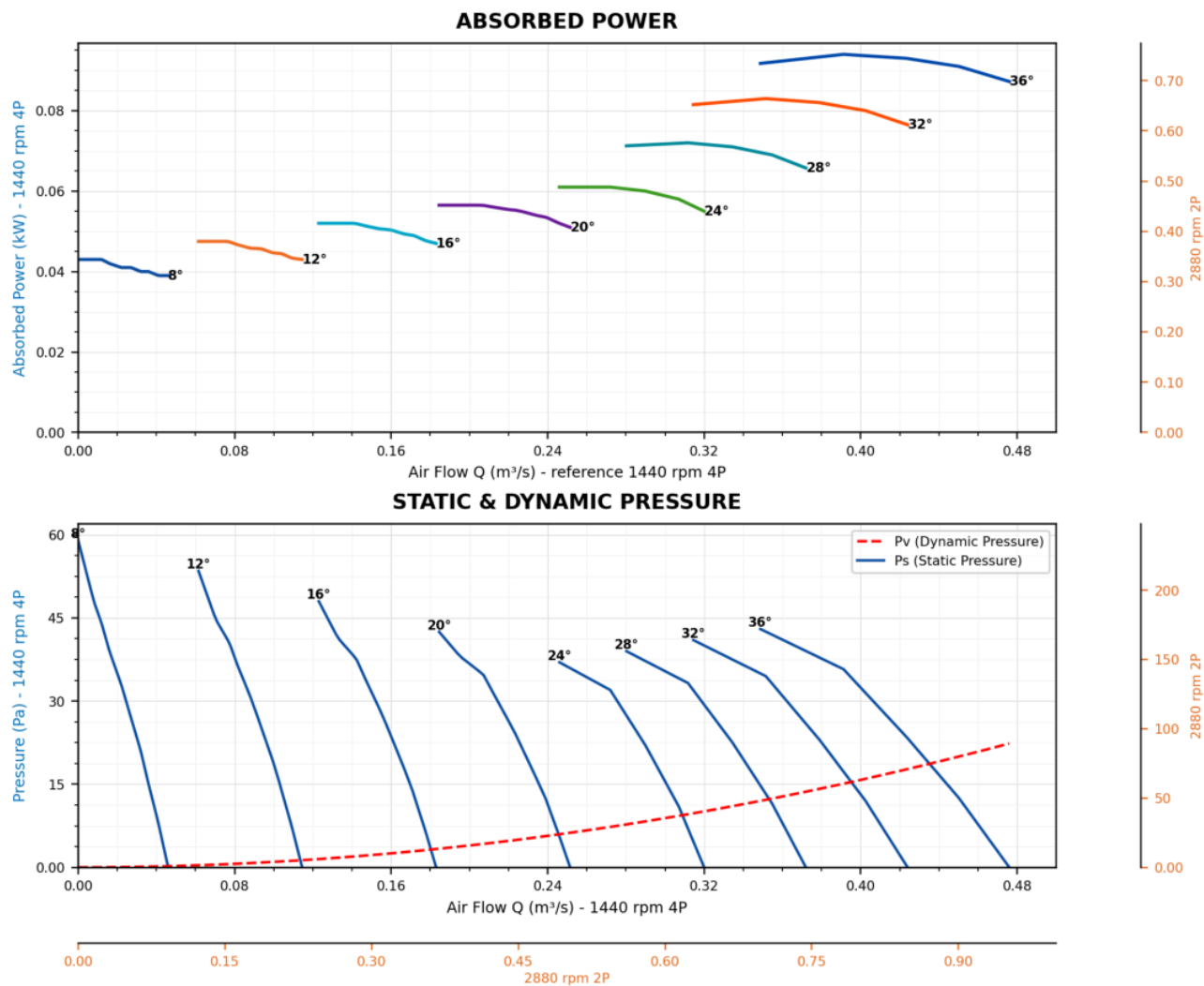
AXF315 (50 Hz) - COMBINED-SPEED PERFORMANCE

1440 rpm 4P/2880 rpm 2P

AXF315

AXIAL FLOW FAN | 50 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	92	92	92	92	92	92
Max. kW	1.1		Max. Frame	80		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF SERIES

AXIAL FLOW FAN

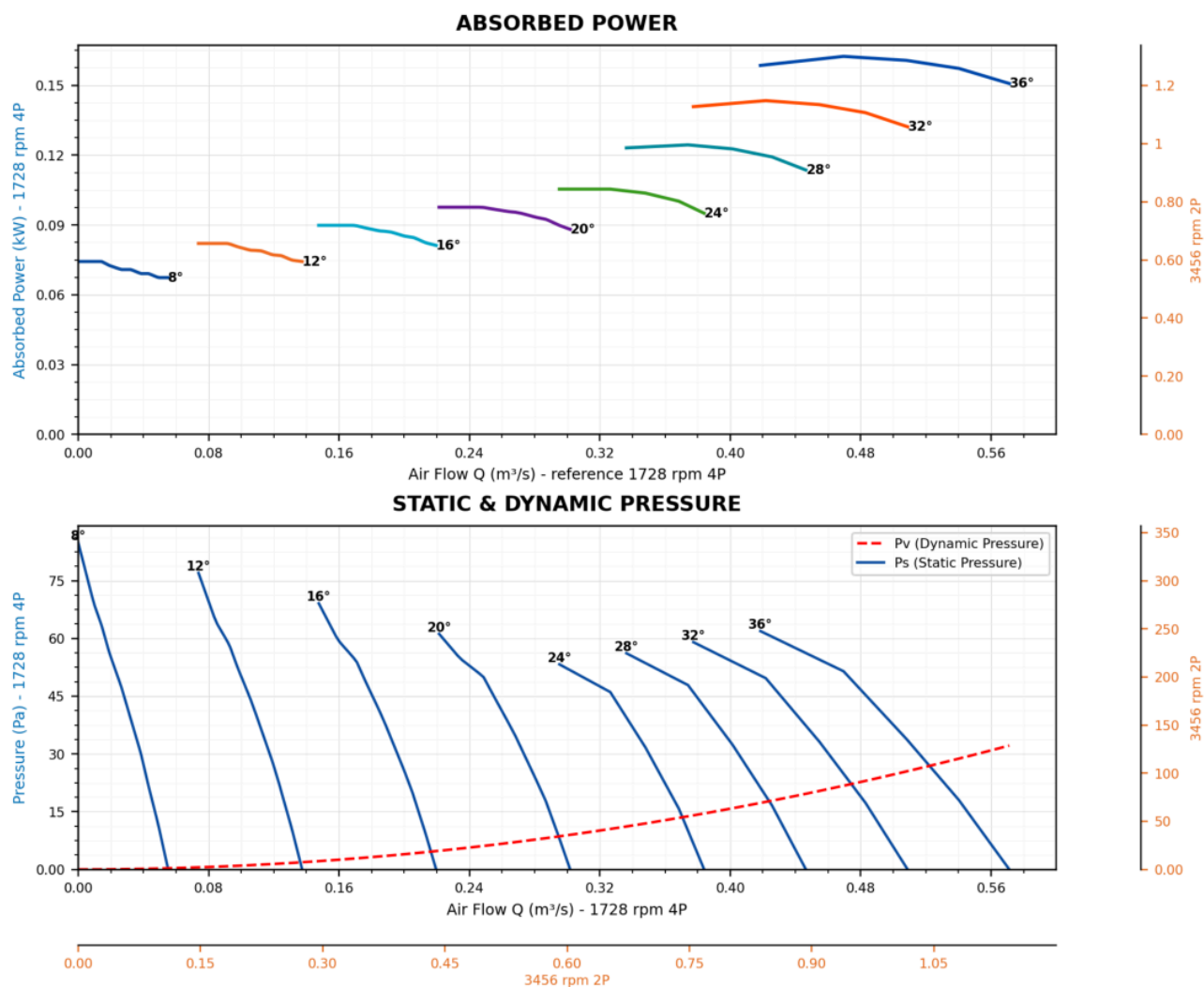
AXF315 (60 Hz) - COMBINED-SPEED PERFORMANCE

1728 rpm 4P/3456 rpm 2P

AXF315

AXIAL FLOW FAN | 60 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	98	96	97	98	97	97
Max. kW	1.1		Max. Frame	80		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF SERIES

AXIAL FLOW FAN

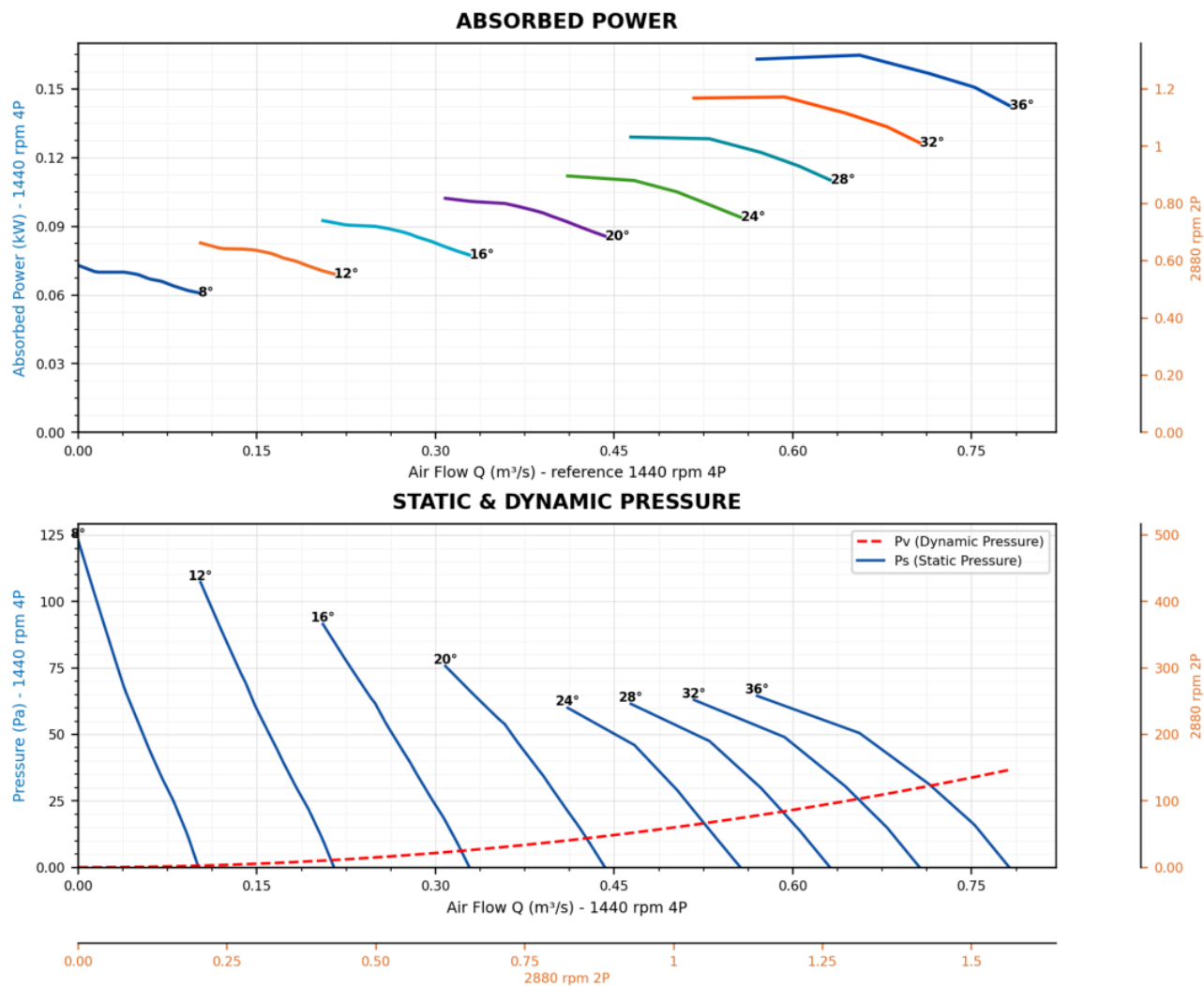
AXF355 (50 Hz) - COMBINED-SPEED PERFORMANCE

1440 rpm 4P/2880 rpm 2P

AXF355

AXIAL FLOW FAN | 50 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	88	88	91	88	88	89
Max. kW	2.2		Max. Frame	90		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF SERIES

AXIAL FLOW FAN

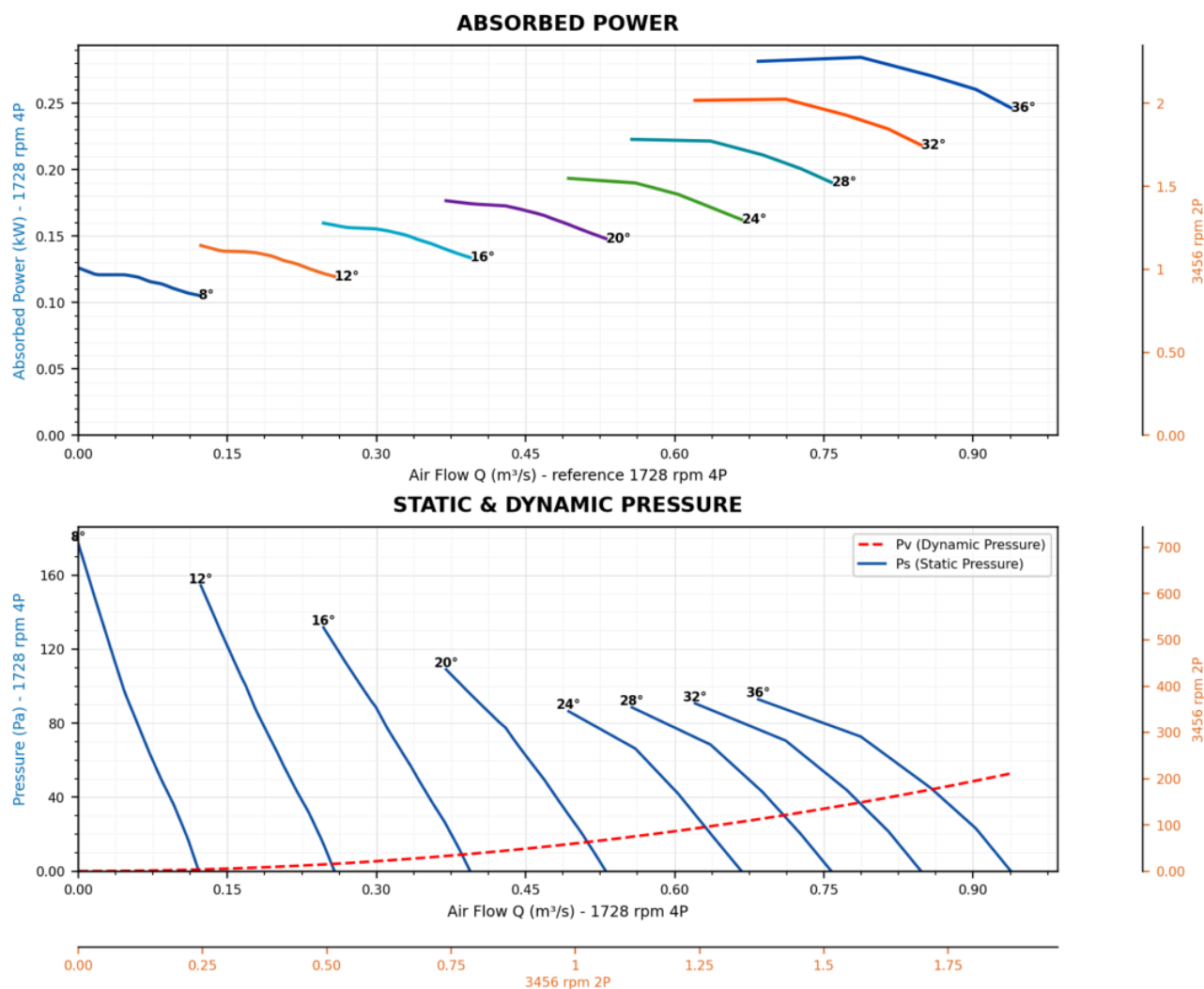
AXF355 (60 Hz) - COMBINED-SPEED PERFORMANCE

1728 rpm 4P/3456 rpm 2P

AXF355

AXIAL FLOW FAN | 60 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	93	93	97	94	94	94
Max. kW	2.2		Max. Frame	90		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF SERIES

AXIAL FLOW FAN

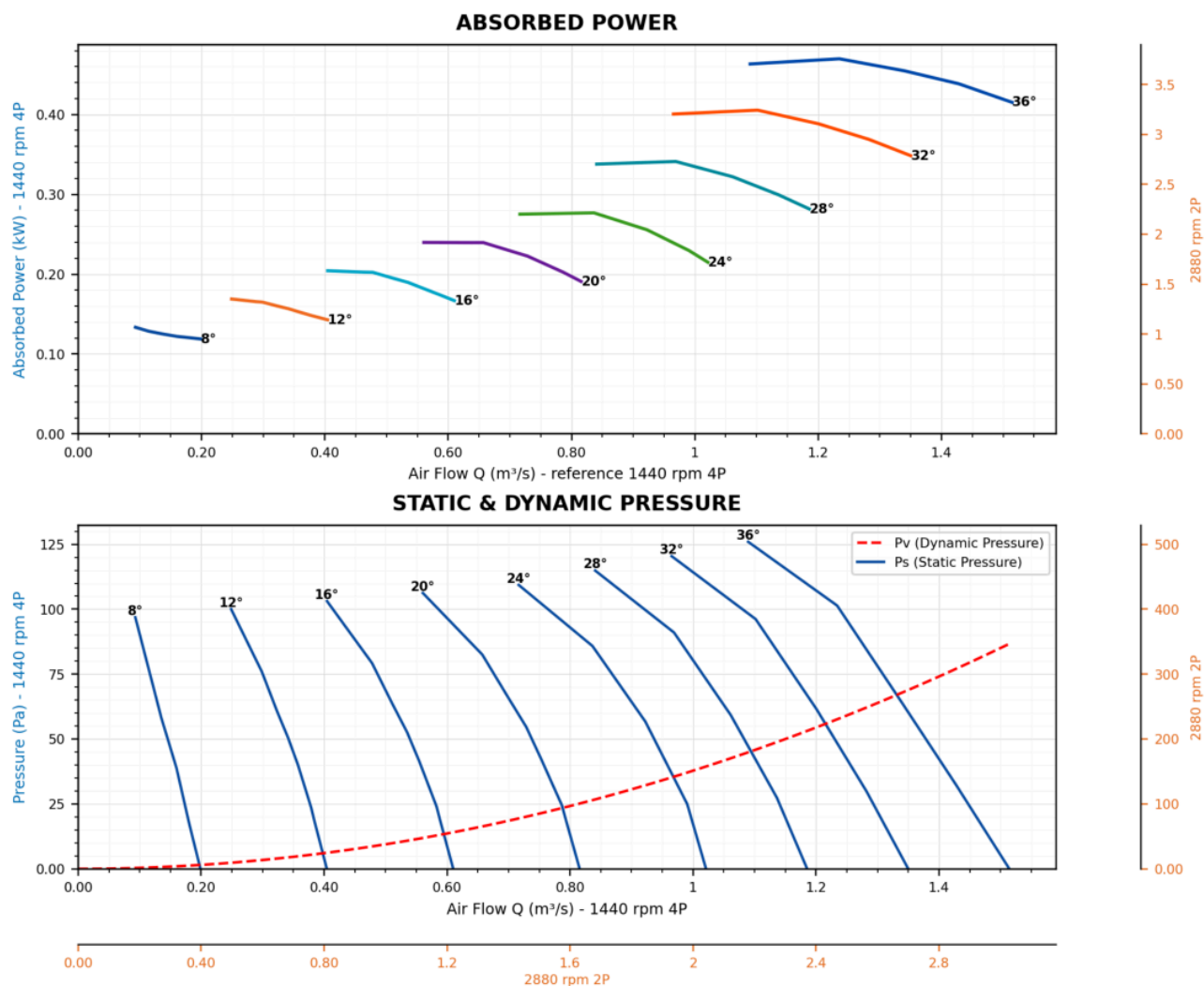
AXF400 (50 Hz) - COMBINED-SPEED PERFORMANCE

1440 rpm 4P/2880 rpm 2P

AXF400

AXIAL FLOW FAN | 50 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	93	94	96	94	94	95
Max. kW	3.0		Max. Frame	90		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF SERIES

AXIAL FLOW FAN

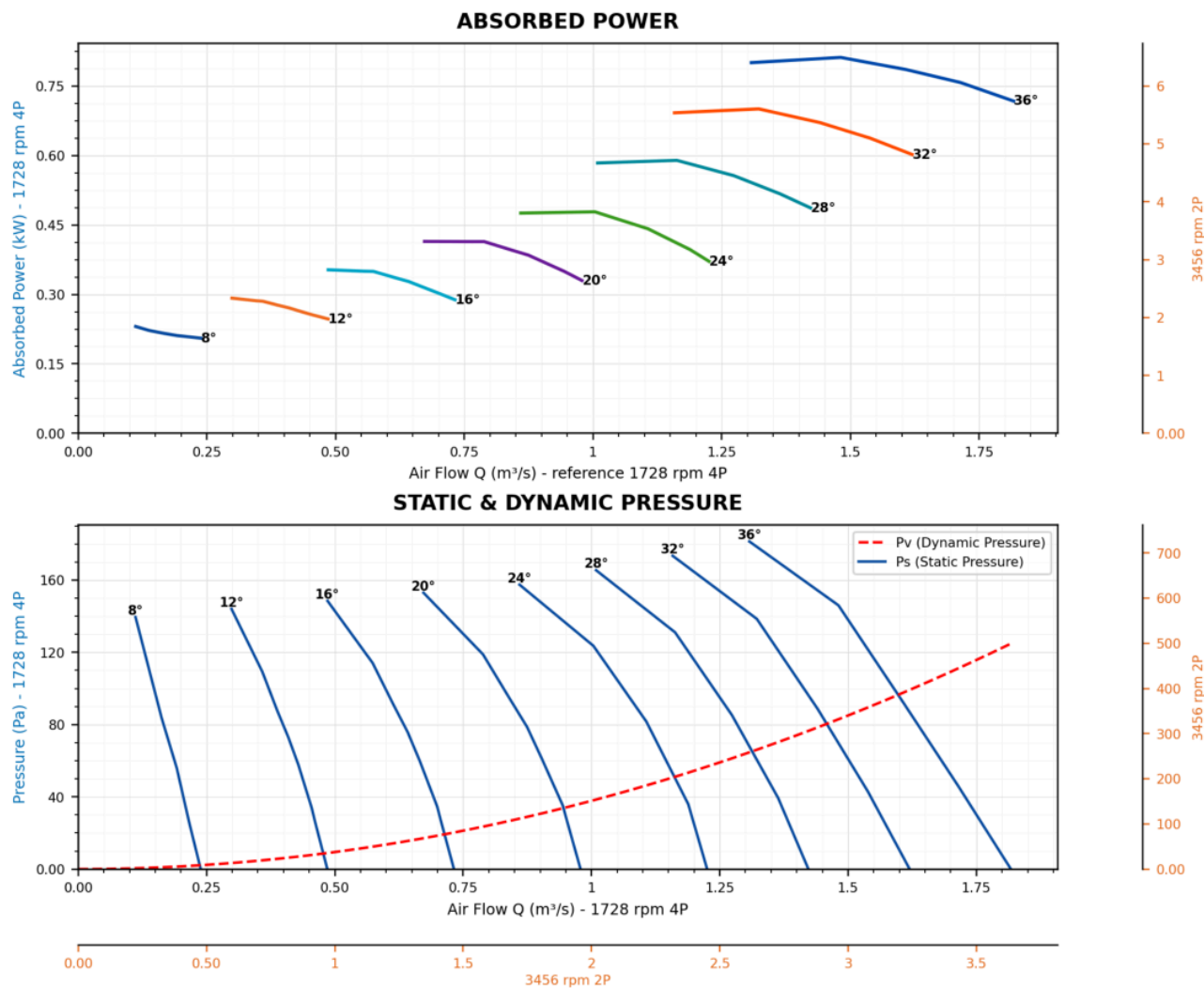
AXF400 (60 Hz) - COMBINED-SPEED PERFORMANCE

1728 rpm 4P/3456 rpm 2P

AXF400

AXIAL FLOW FAN | 60 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	98	100	102	102	102	101
Max. kW	3.0		Max. Frame	90		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF SERIES

AXIAL FLOW FAN

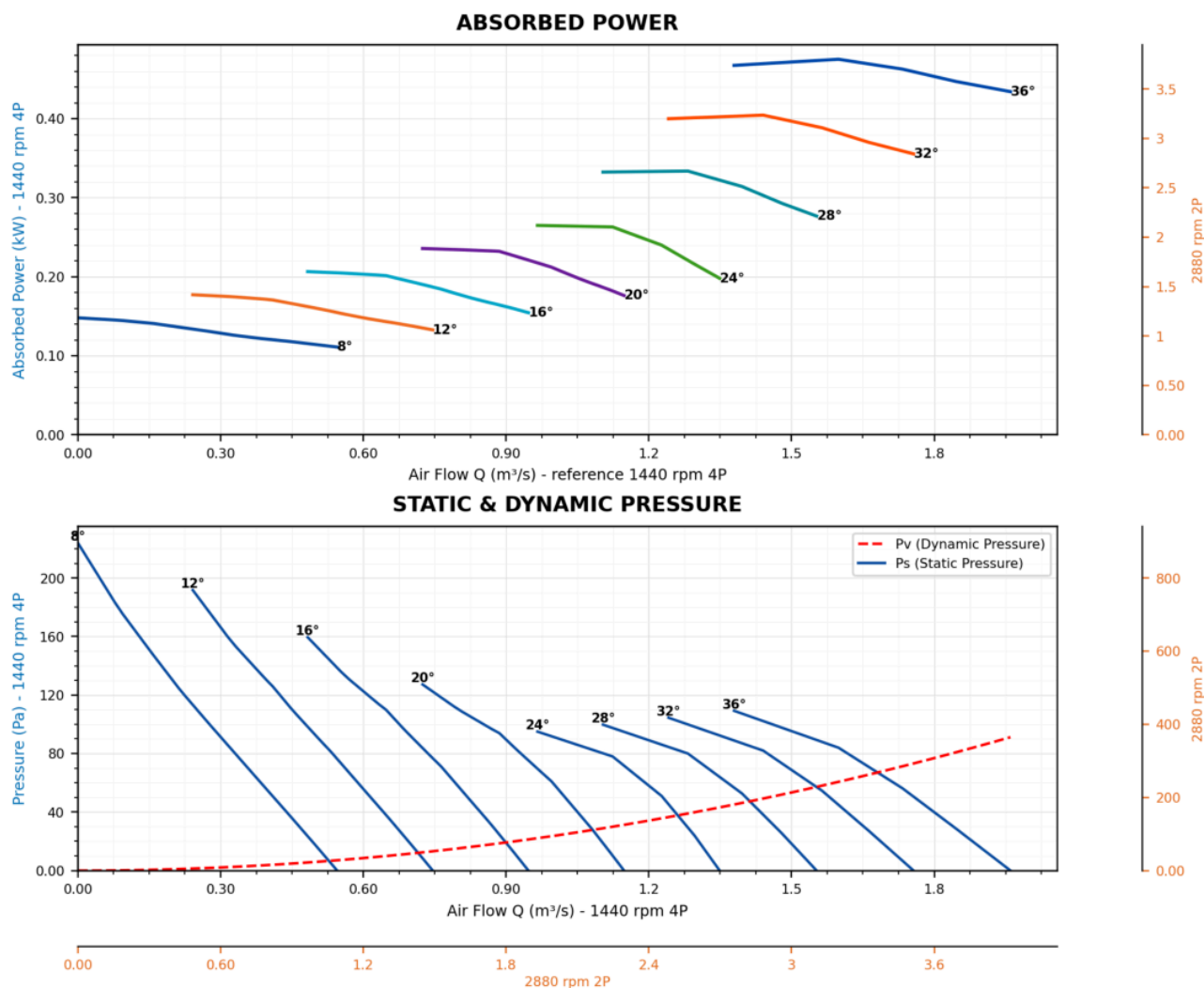
AXF450 (50 Hz) - COMBINED-SPEED PERFORMANCE

1440 rpm 4P/2880 rpm 2P

AXF450

AXIAL FLOW FAN | 50 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	98	98	103	99	99	102
Max. kW	4.0		Max. Frame	100		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF SERIES

AXIAL FLOW FAN

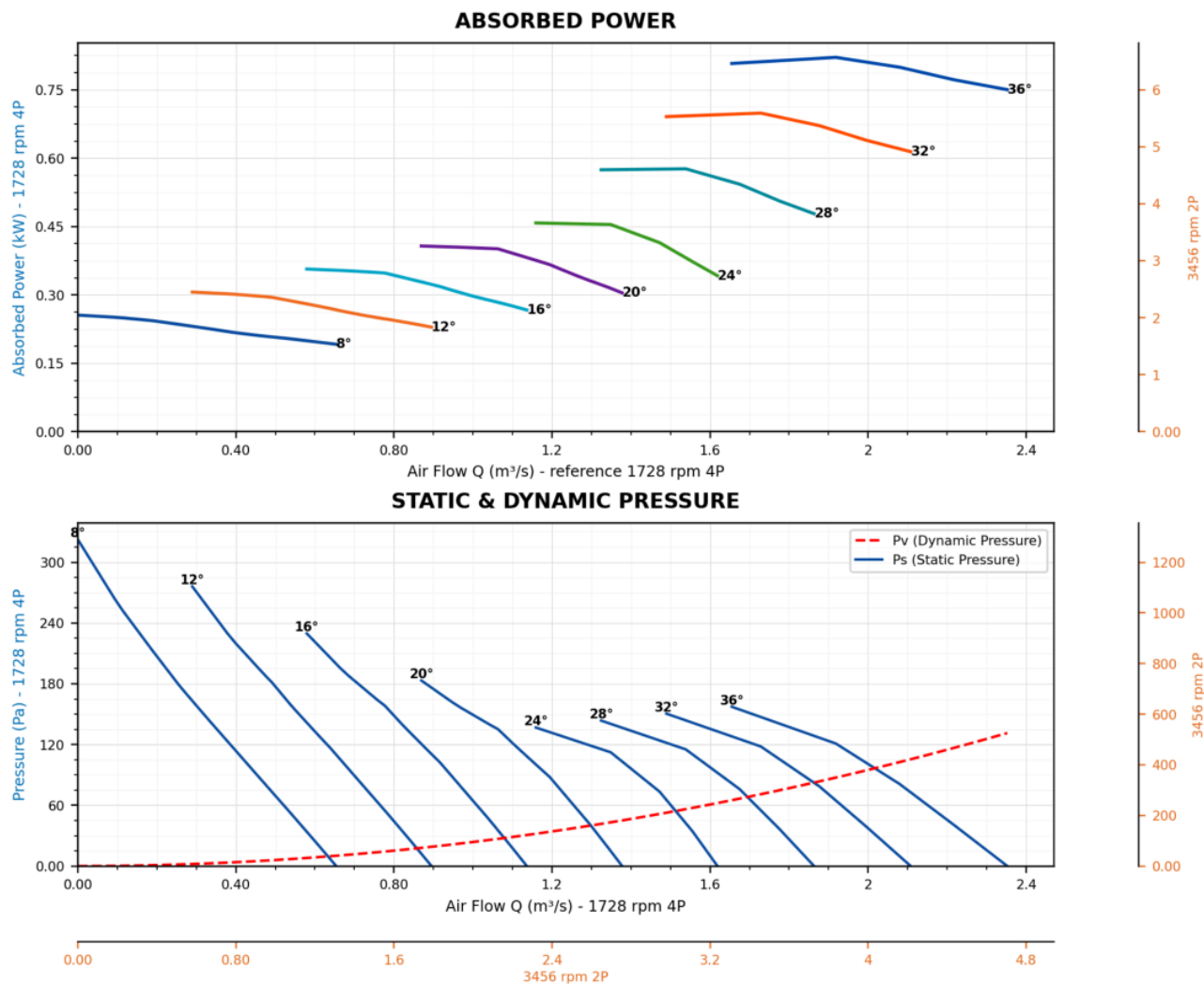
AXF450 (60 Hz) - COMBINED-SPEED PERFORMANCE

1728 rpm 4P/3456 rpm 2P

AXF450

AXIAL FLOW FAN | 60 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	103	104	108	104	104	105
Max. kW	4.0		Max. Frame	100		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF SERIES

AXIAL FLOW FAN

AXF500 (50 Hz) - COMBINED-SPEED PERFORMANCE

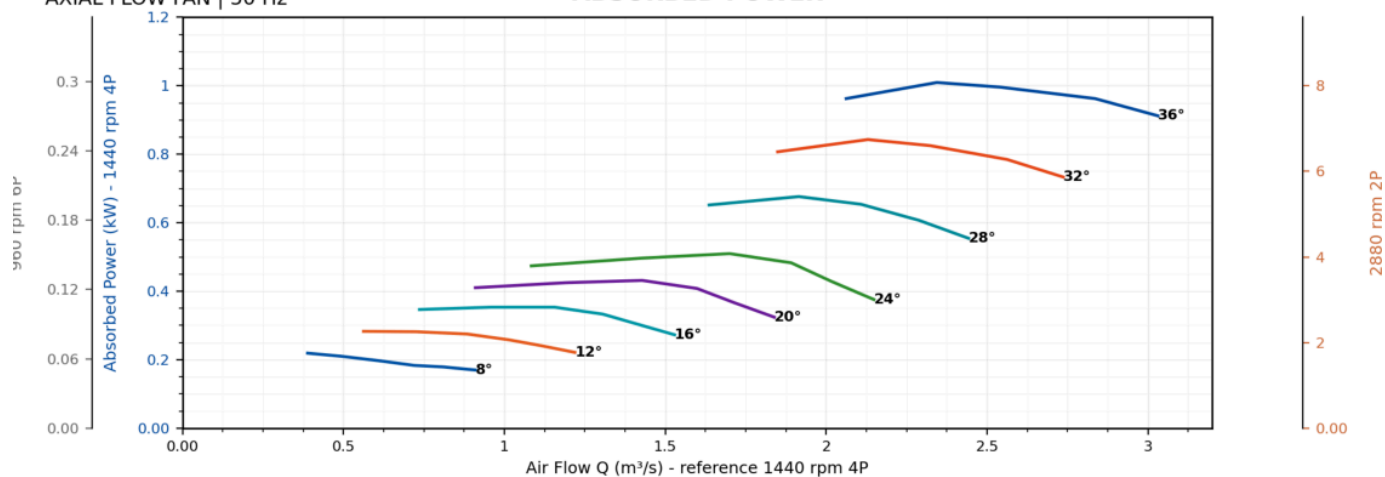
960 rpm 6P/1440 rpm 4P/2880 rpm 2P

$\rho = 1.2 \text{ kg/m}^3$

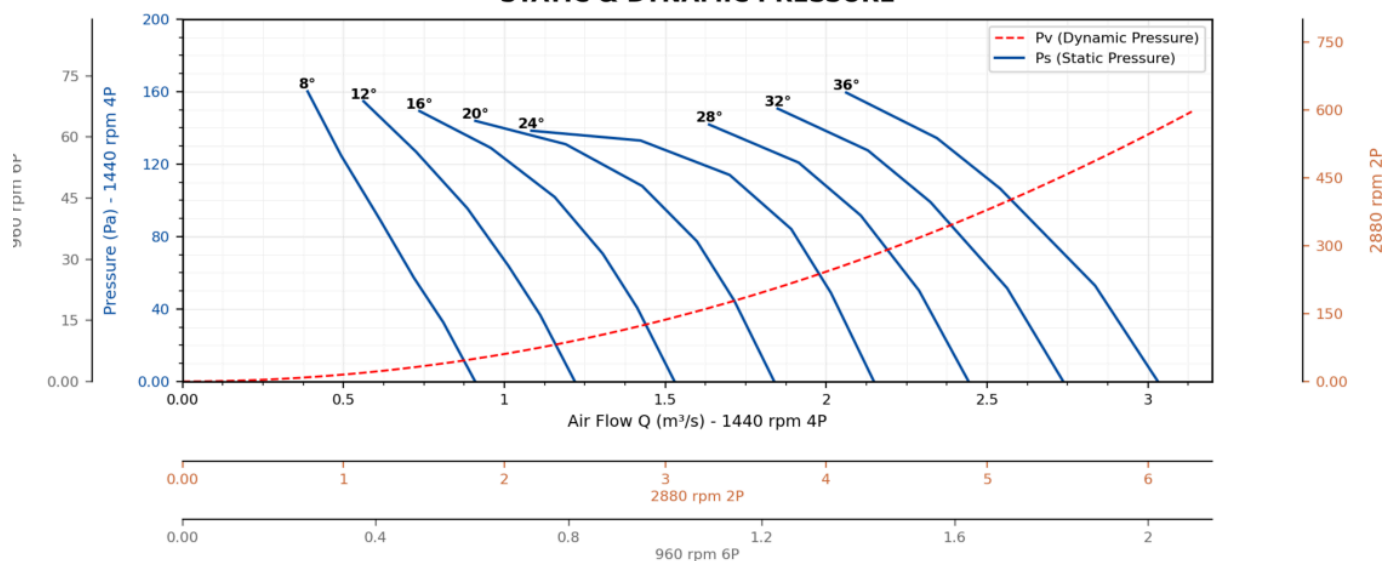
AXF500

AXIAL FLOW FAN | 50 Hz

ABSORBED POWER



STATIC & DYNAMIC PRESSURE



DEG	8			24		
dBA	A	B	C	D	E	F
	101	106	104	102	106	103
Max. kW	7.5		Max. Frame	112		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF SERIES

AXIAL FLOW FAN

AXF500 (60 Hz) - COMBINED-SPEED PERFORMANCE

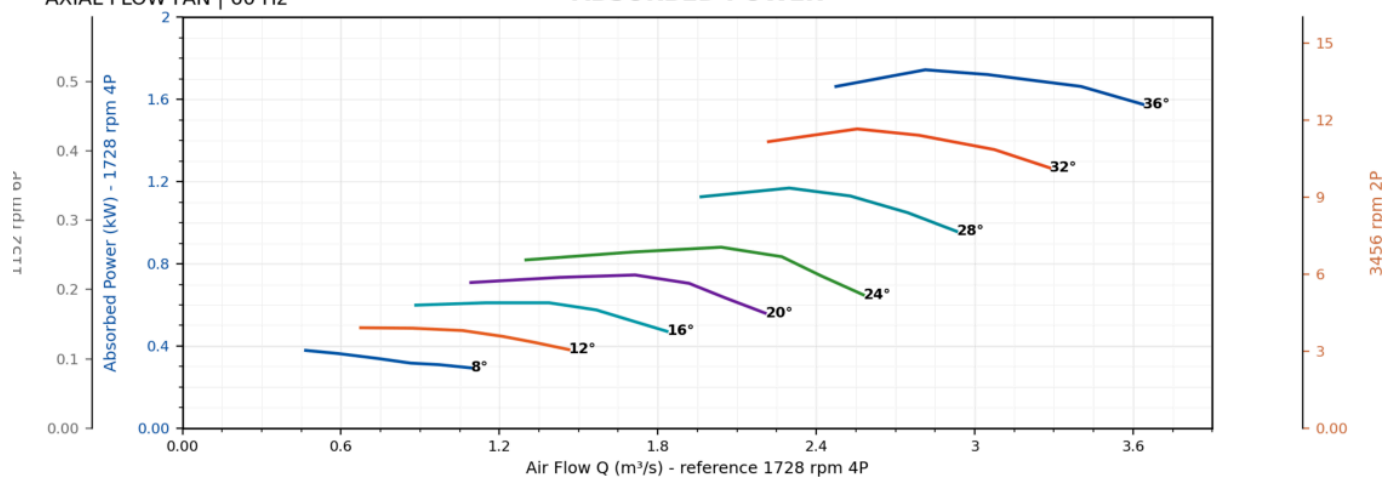
1152 rpm 6P/1728 rpm 4P/3456 rpm 2P

AXF500

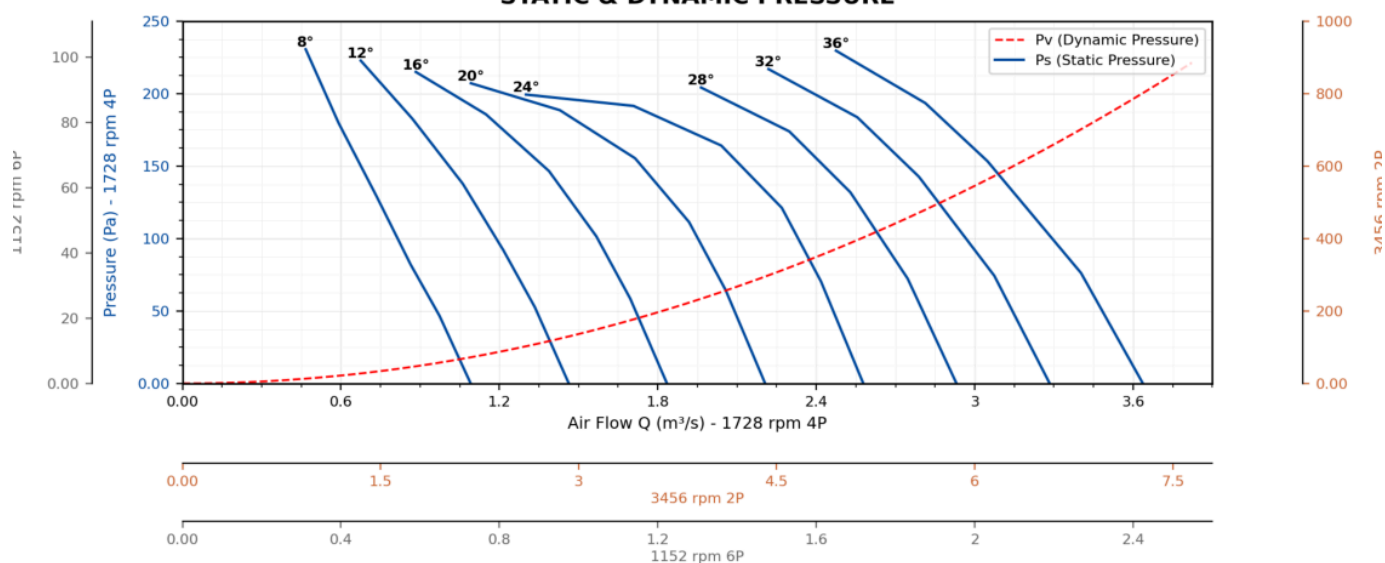
$\rho = 1.2 \text{ kg/m}^3$

AXIAL FLOW FAN | 60 Hz

ABSORBED POWER



STATIC & DYNAMIC PRESSURE



DEG	8			24		
dBA	A	B	C	D	E	F
	107	113	111	108	114	110
Max. kW	7.5		Max. Frame	112		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF SERIES

AXIAL FLOW FAN

AXF560 (50 Hz) - COMBINED-SPEED PERFORMANCE

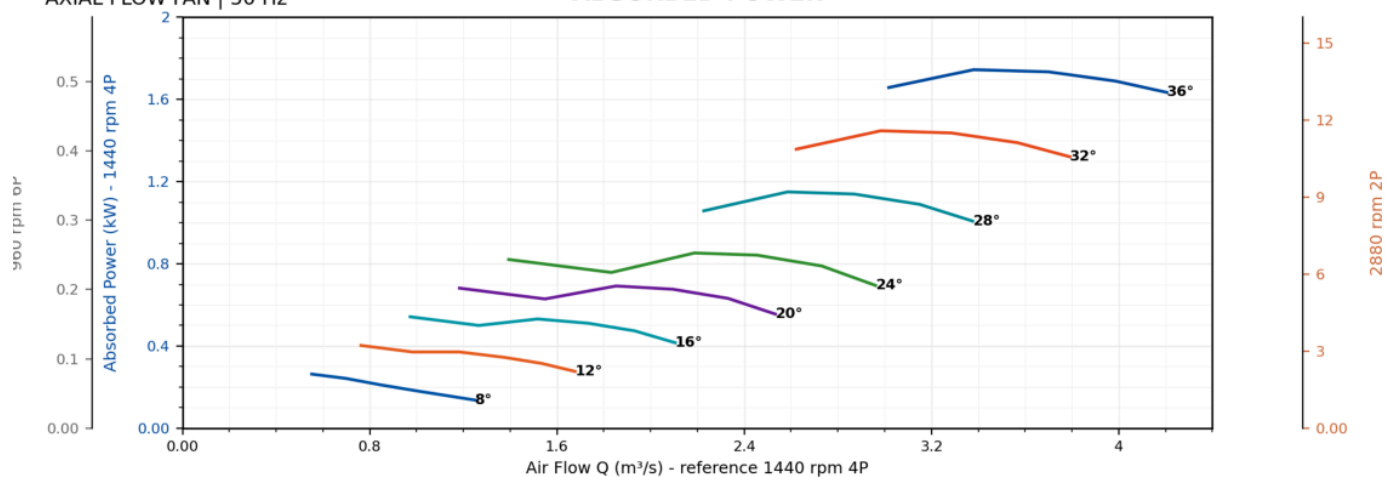
960 rpm 6P/1440 rpm 4P/2880 rpm 2P

$\rho = 1.2 \text{ kg/m}^3$

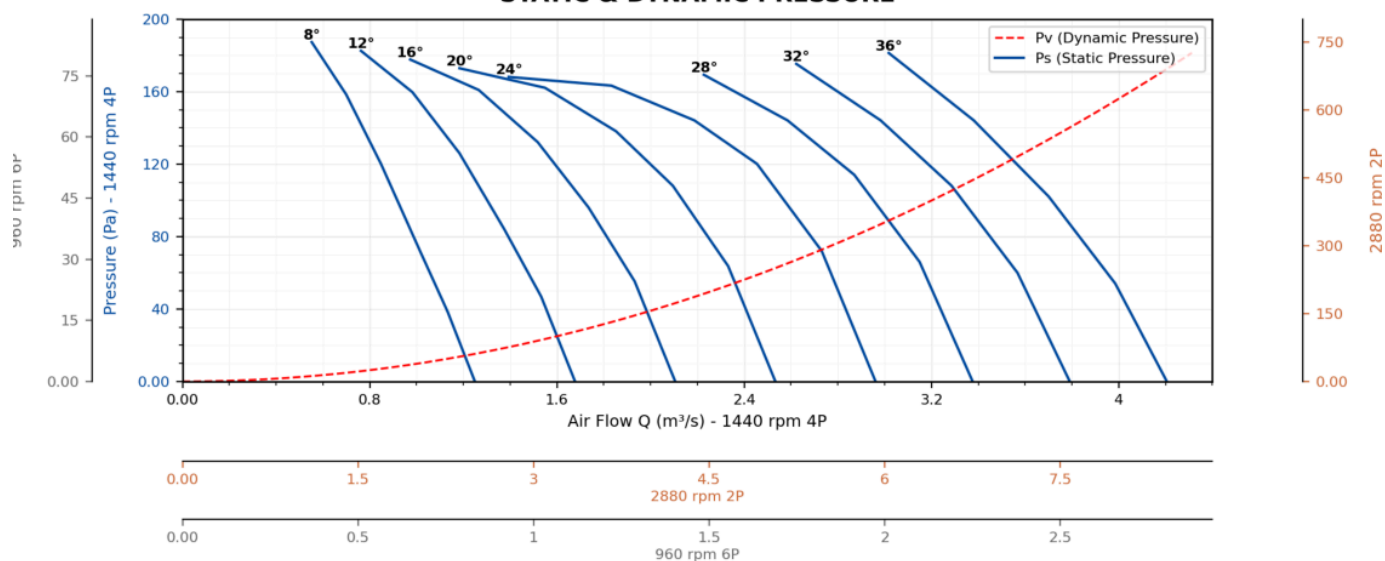
AXF560

AXIAL FLOW FAN | 50 Hz

ABSORBED POWER



STATIC & DYNAMIC PRESSURE



DEG	8			24		
dBA	A	B	C	D	E	F
	113	115	115	113	115	116
Max. kW	11.0		Max. Frame	132		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF560 (60 Hz) - COMBINED-SPEED PERFORMANCE

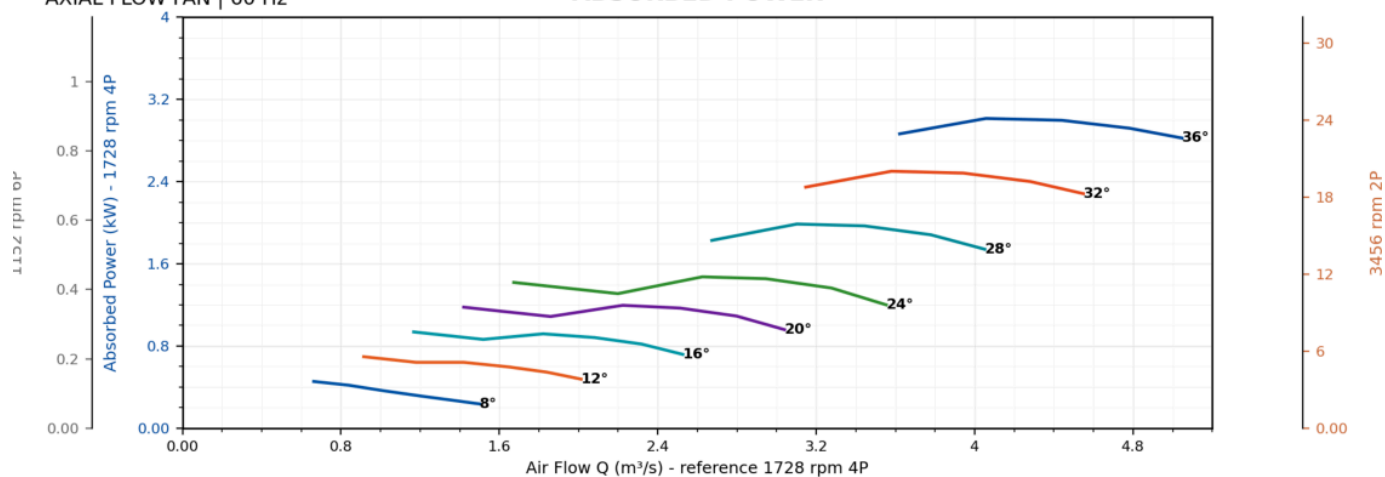
1152 rpm 6P/1728 rpm 4P/3456 rpm 2P

$\rho = 1.2 \text{ kg/m}^3$

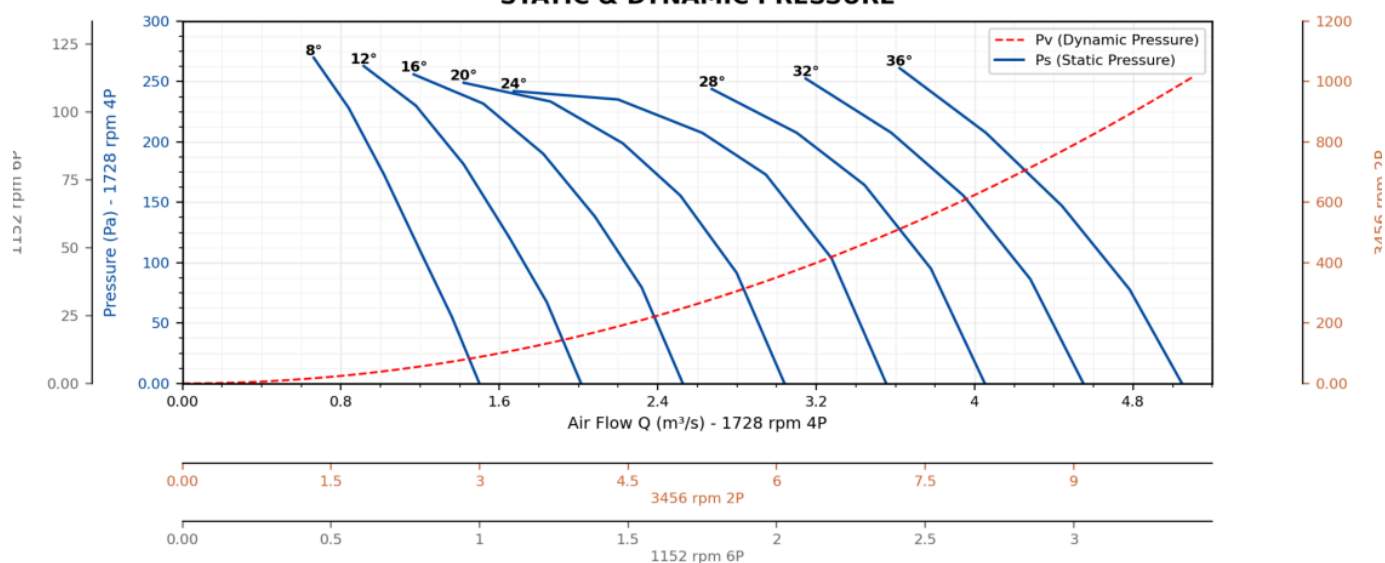
AXF560

AXIAL FLOW FAN | 60 Hz

ABSORBED POWER



STATIC & DYNAMIC PRESSURE



DEG	8			24		
dBA	A	B	C	D	E	F
	118	119	120	118	119	120
Max. kW	11.0		Max. Frame	132		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF SERIES

AXIAL FLOW FAN

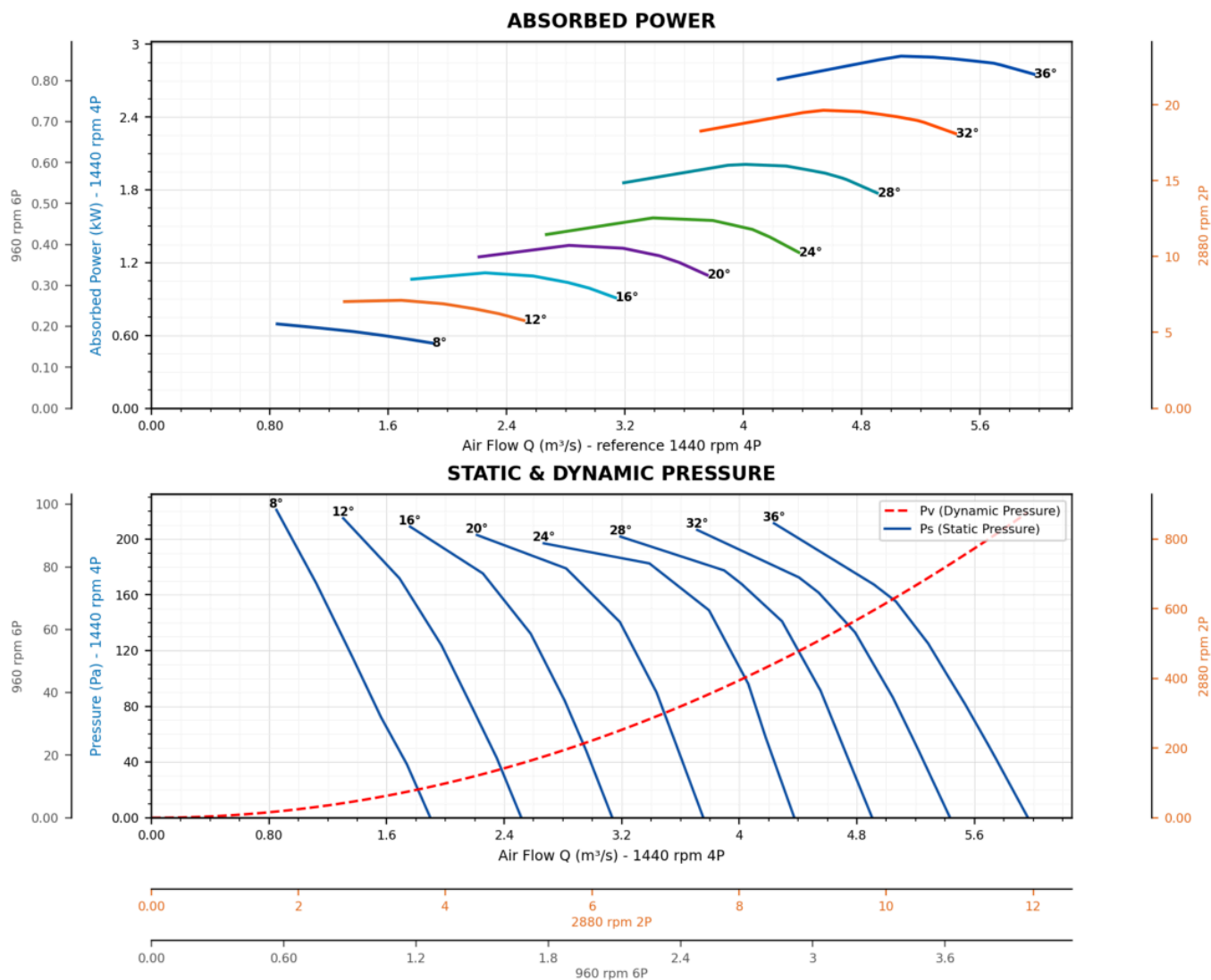
AXF630 (50 Hz) - COMBINED-SPEED PERFORMANCE

960 rpm 6P/1440 rpm 4P/2880 rpm 2P

AXF630

AXIAL FLOW FAN | 50 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	117	118	117	117	118	116
Max. kW	11.0		Max. Frame	132		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF SERIES

AXIAL FLOW FAN

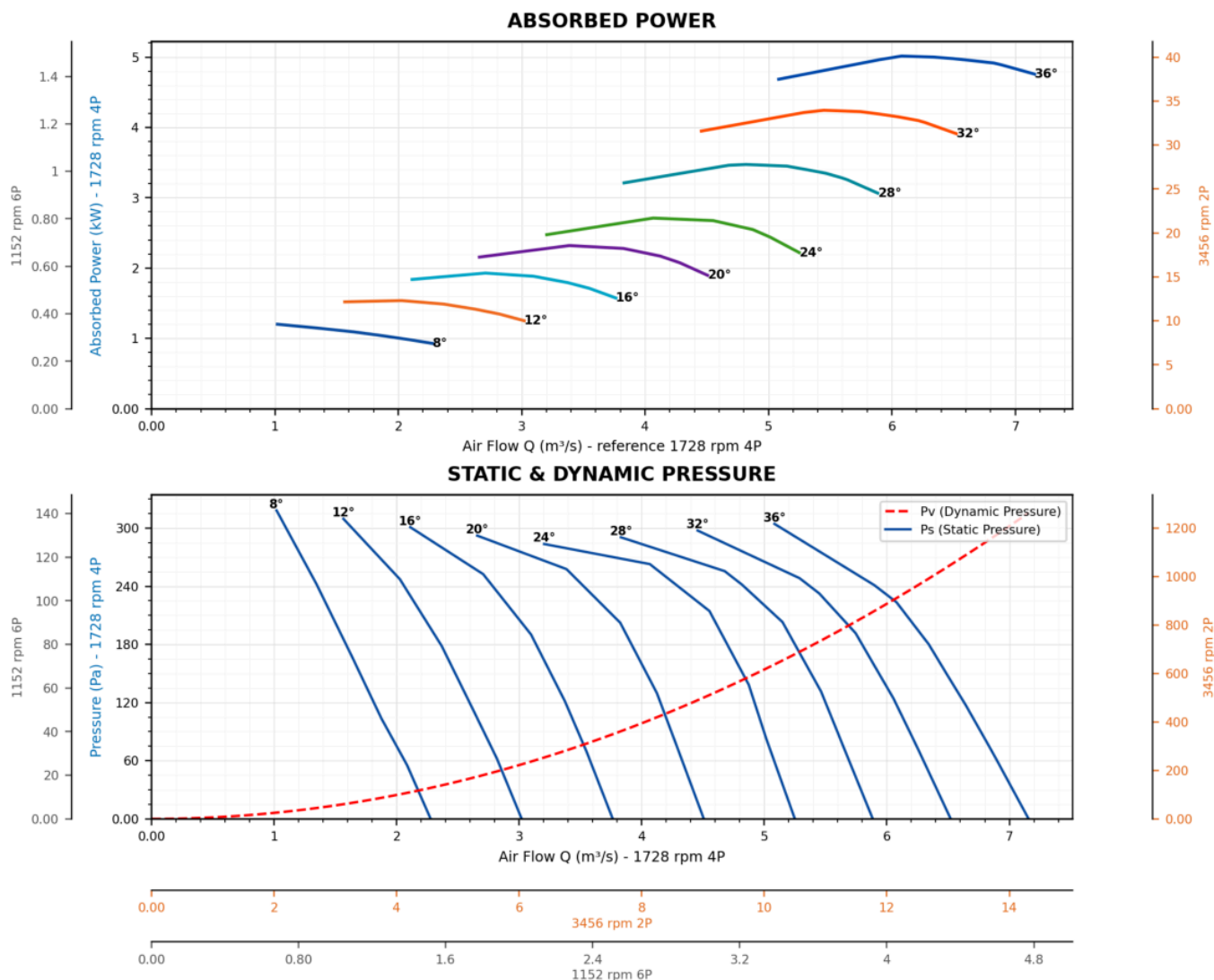
AXF630 (60 Hz) - COMBINED-SPEED PERFORMANCE

1152 rpm 6P/1728 rpm 4P/3456 rpm 2P

AXF630

AXIAL FLOW FAN | 60 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	120	122	121	120	123	120
Max. kW	11.0		Max. Frame	132		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

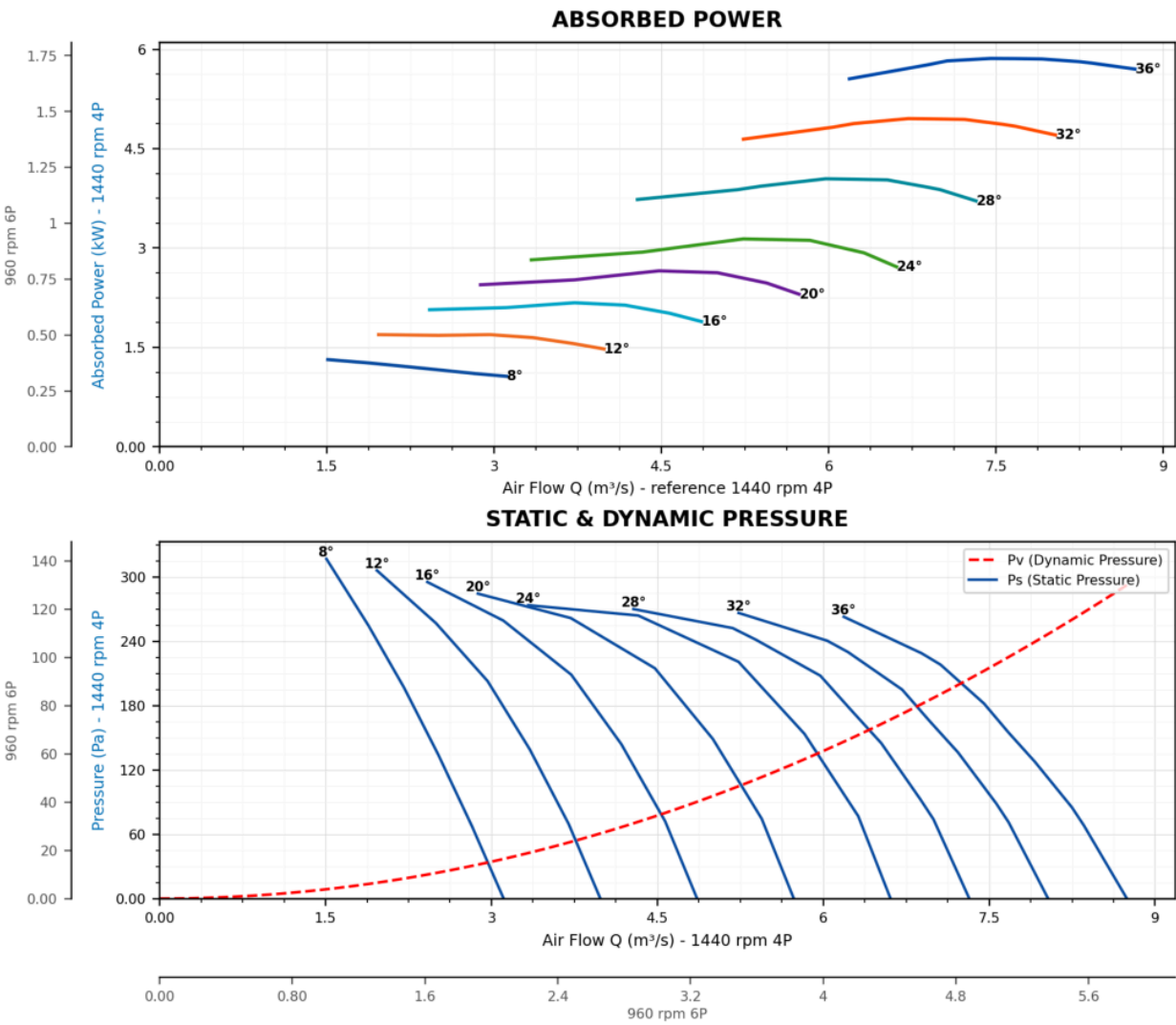
AXF710 (50 Hz) - COMBINED-SPEED PERFORMANCE

960 rpm 6P/1440 rpm 4P

AXF710

AXIAL FLOW FAN | 50 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	96	98	95	96	96	101
Max. kW	9.2		Max. Frame	132		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

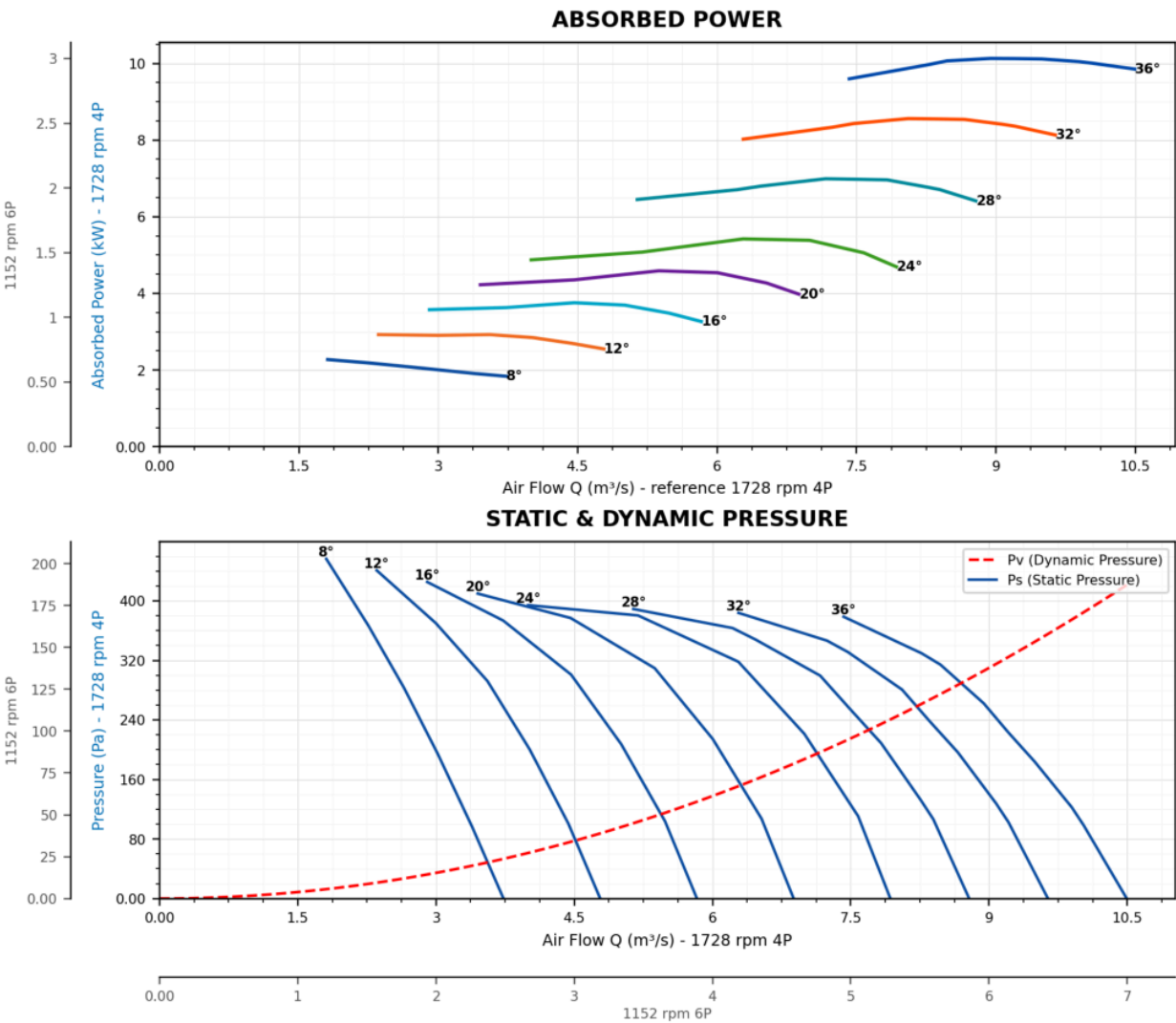
AXF710 (60 Hz) - COMBINED-SPEED PERFORMANCE

1152 rpm 6P/1728 rpm 4P

AXF710

AXIAL FLOW FAN | 60 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	101	103	100	101	102	106
Max. kW	9.2		Max. Frame	132		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

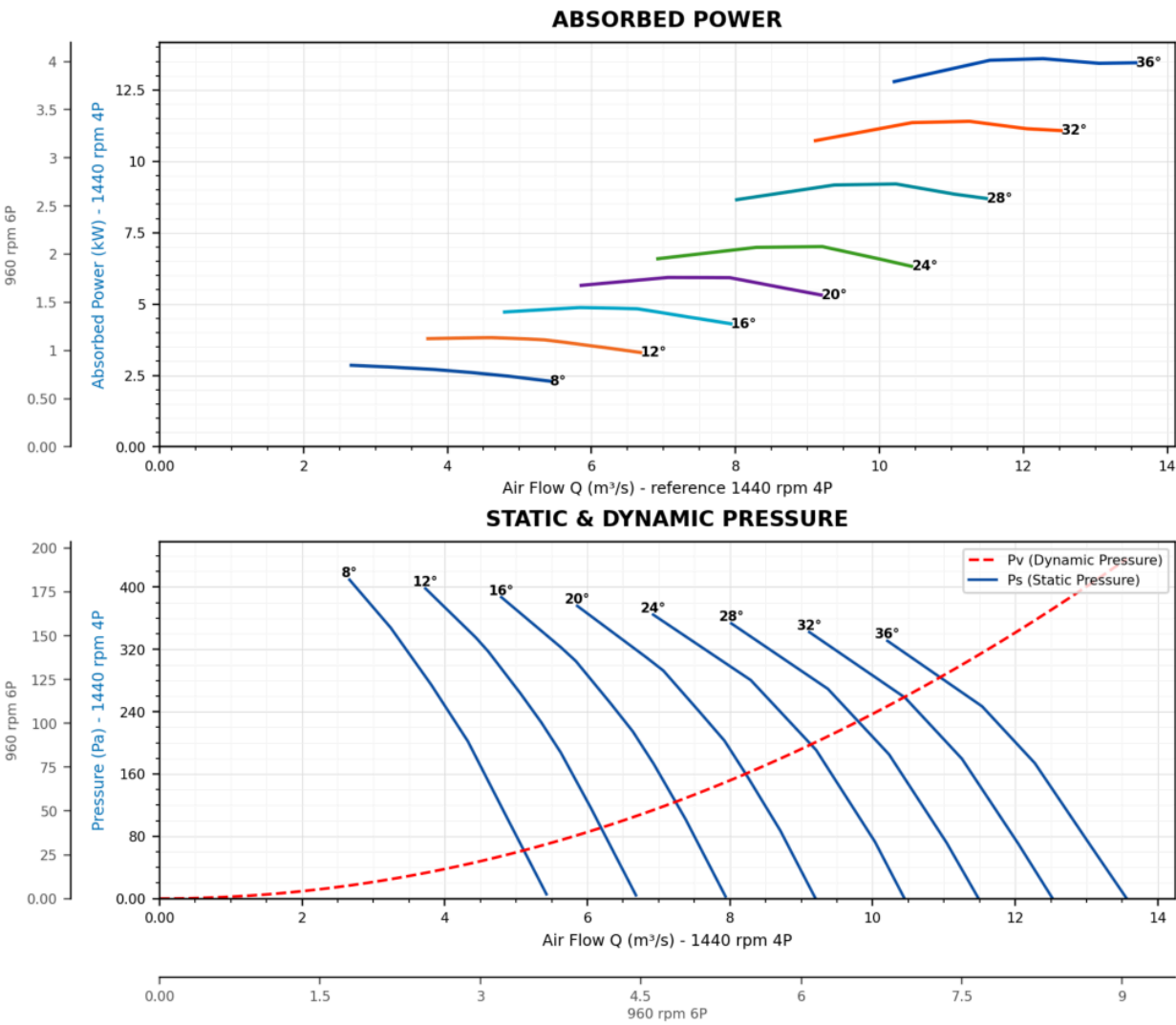
AXF800 (50 Hz) - COMBINED-SPEED PERFORMANCE

960 rpm 6P/1440 rpm 4P

AXF800

AXIAL FLOW FAN | 50 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	99	99	97	101	101	100
Max. kW	9.2		Max. Frame	132		

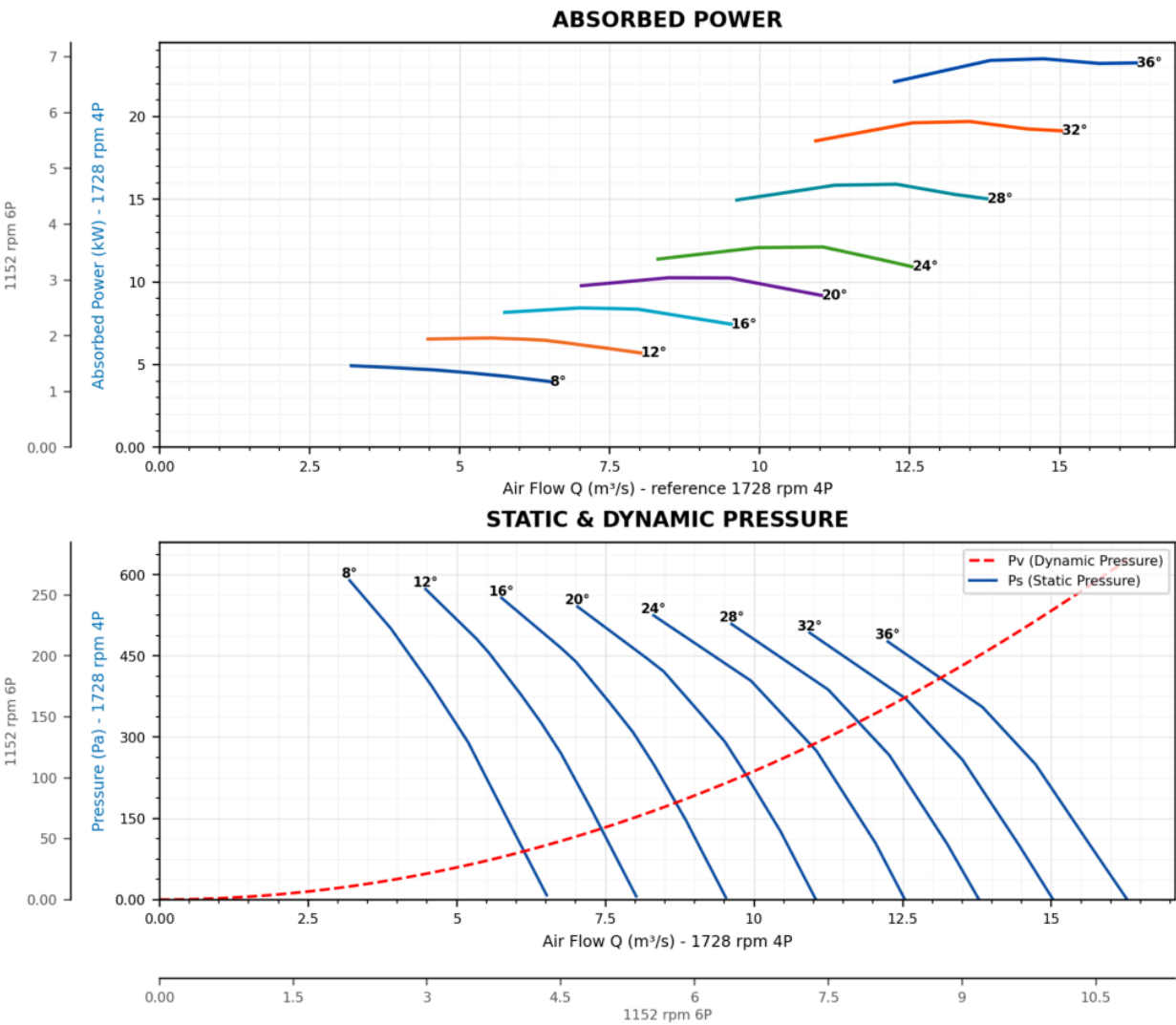
Performance is tested per AMCA 210 for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF800 (60 Hz) - COMBINED-SPEED PERFORMANCE

1152 rpm 6P/1728 rpm 4P

AXF800
AXIAL FLOW FAN | 60 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	104	104	102	106	106	103
Max. kW	9.2		Max. Frame	132		

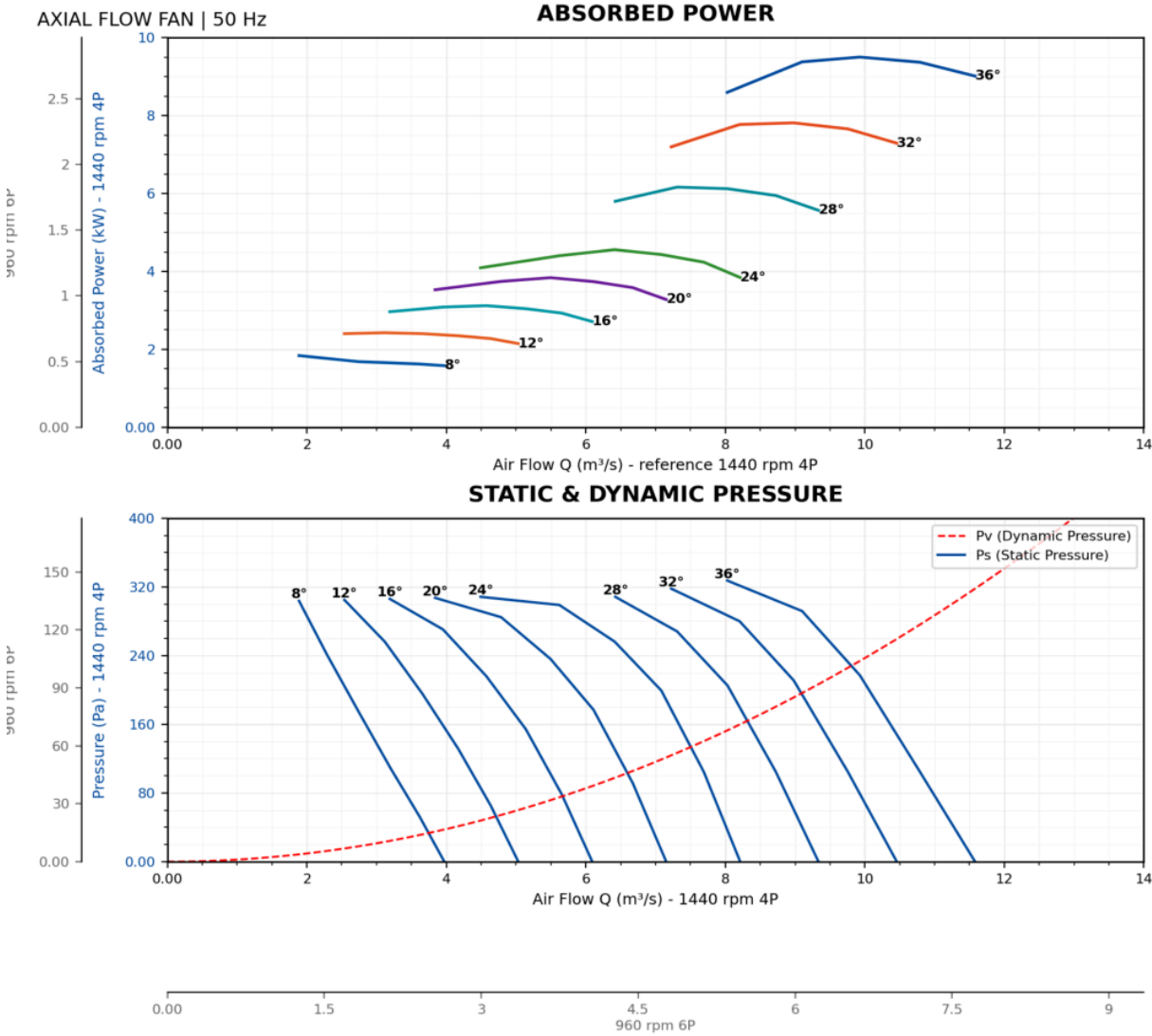
Performance is tested per AMCA 210 for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF800L (50 Hz) - COMBINED-SPEED PERFORMANCE

960 rpm 6P/1440 rpm 4P

AXF800L

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	98	101	97	100	104	101
Max. kW	15.0		Max. Frame	160		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF800L (60 Hz) - COMBINED-SPEED PERFORMANCE

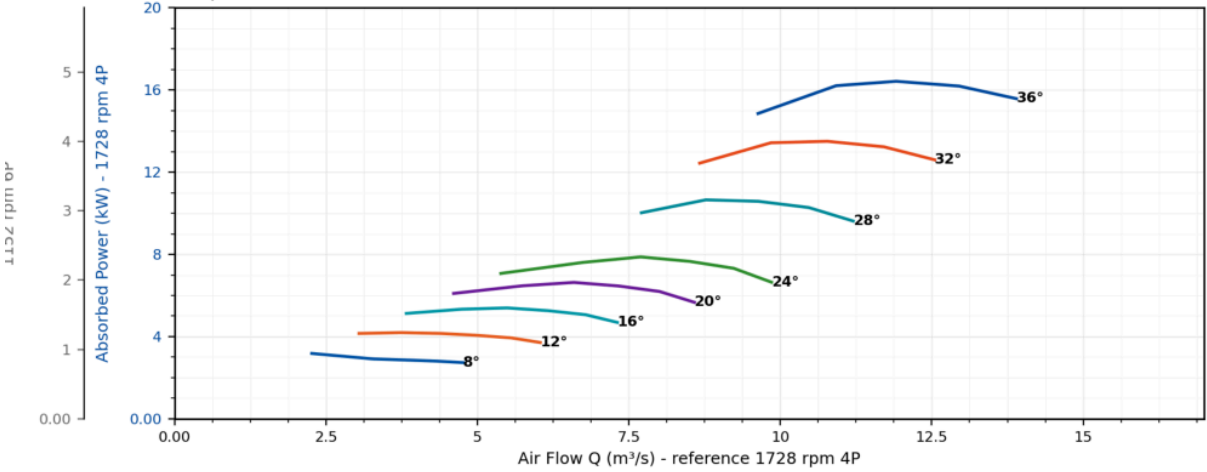
1152 rpm 6P/1728 rpm 4P

$\rho = 1.2 \text{ kg/m}^3$

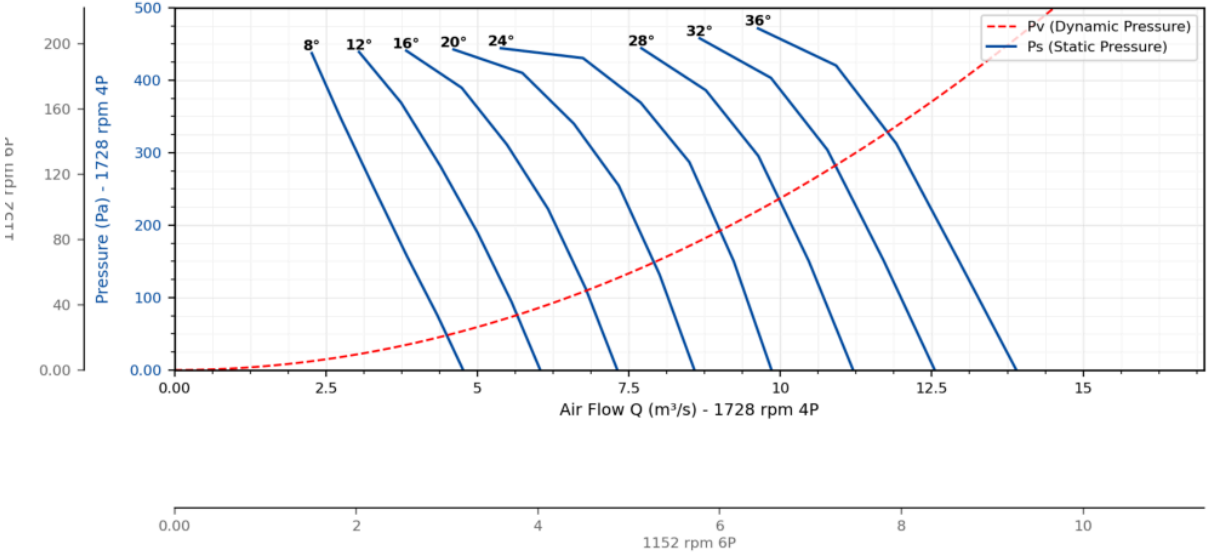
AXF800L

AXIAL FLOW FAN | 60 Hz

ABSORBED POWER



STATIC & DYNAMIC PRESSURE



DEG	8			24		
dBA	A	B	C	D	E	F
	103	106	102	105	107	104
Max. kW	15.0		Max. Frame	160		

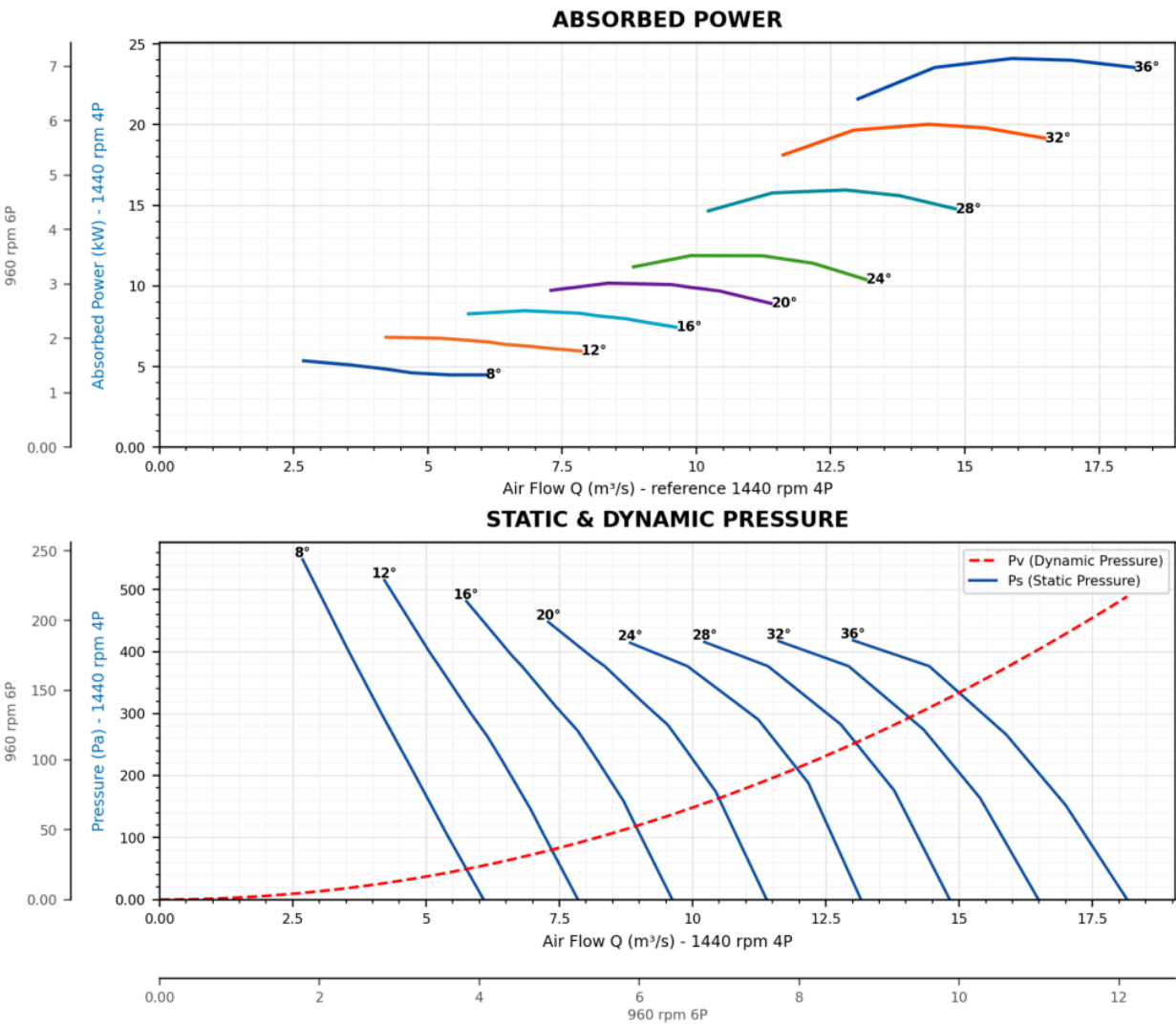
Performance is tested per AMCA 210 for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF900 (50 Hz) - COMBINED-SPEED PERFORMANCE

960 rpm 6P/1440 rpm 4P

AXF900
AXIAL FLOW FAN | 50 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	103	101	103	106	104	105
Max. kW	22.0		Max. Frame	180		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

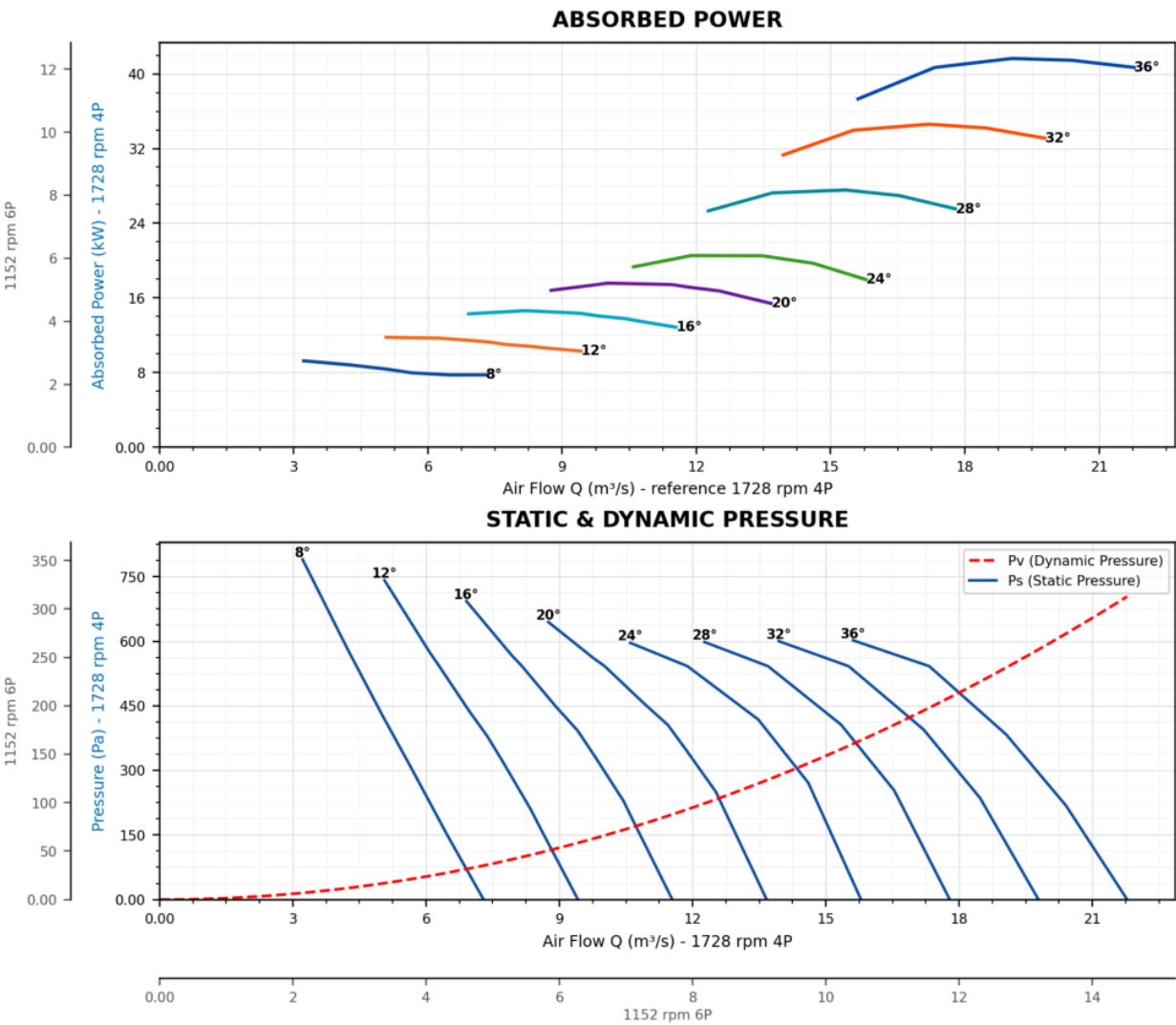
AXF900 (60 Hz) - COMBINED-SPEED PERFORMANCE

1152 rpm 6P/1728 rpm 4P

AXF900

AXIAL FLOW FAN | 60 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	108	107	107	111	109	109
Max. kW	22.0		Max. Frame	180		

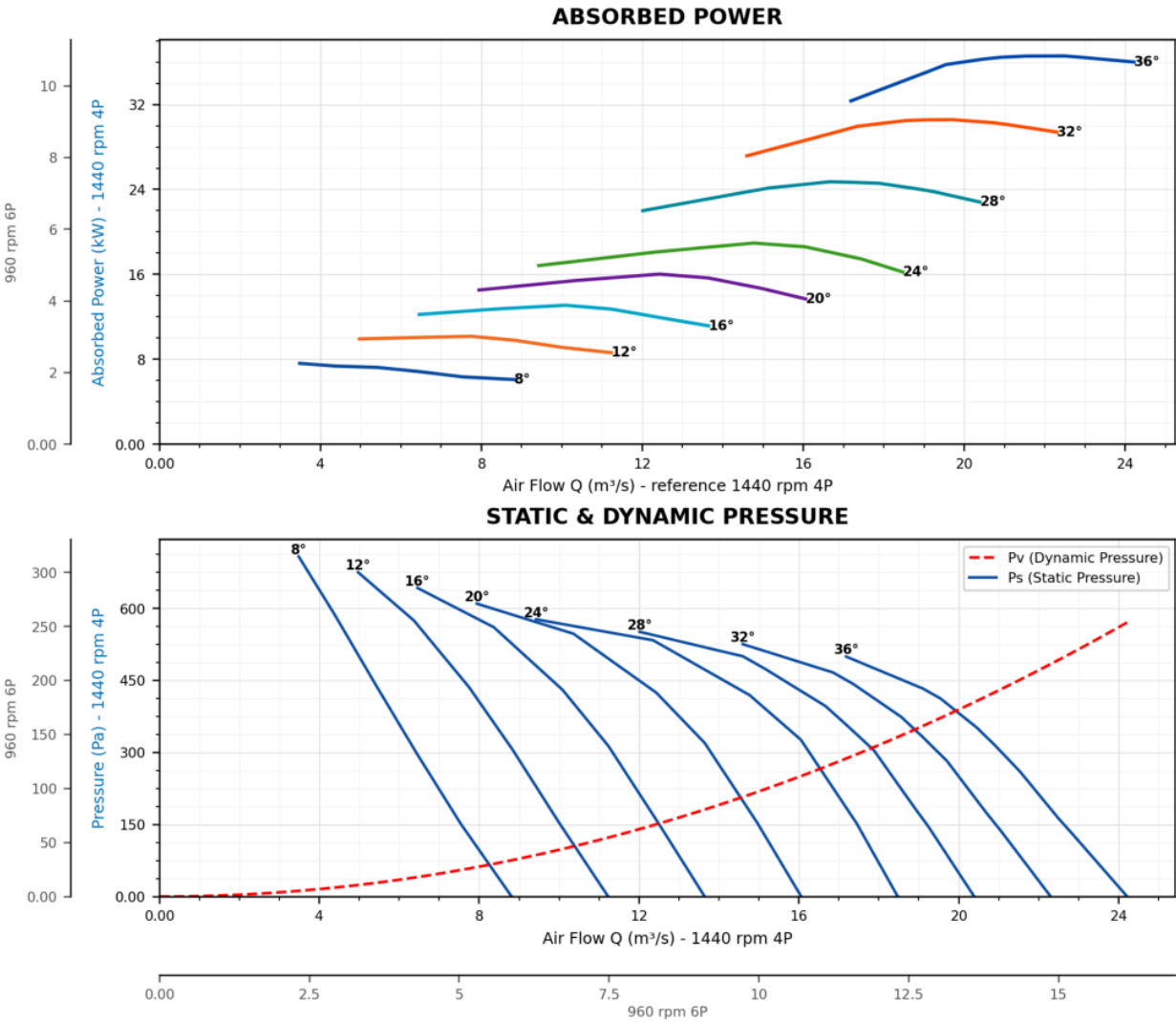
Performance is tested per AMCA 210 for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF1000 (50 Hz) - COMBINED-SPEED PERFORMANCE

960 rpm 6P/1440 rpm 4P

AXF1000
AXIAL FLOW FAN | 50 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	104	104	105	107	106	109
Max. kW	37.0		Max. Frame	200		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

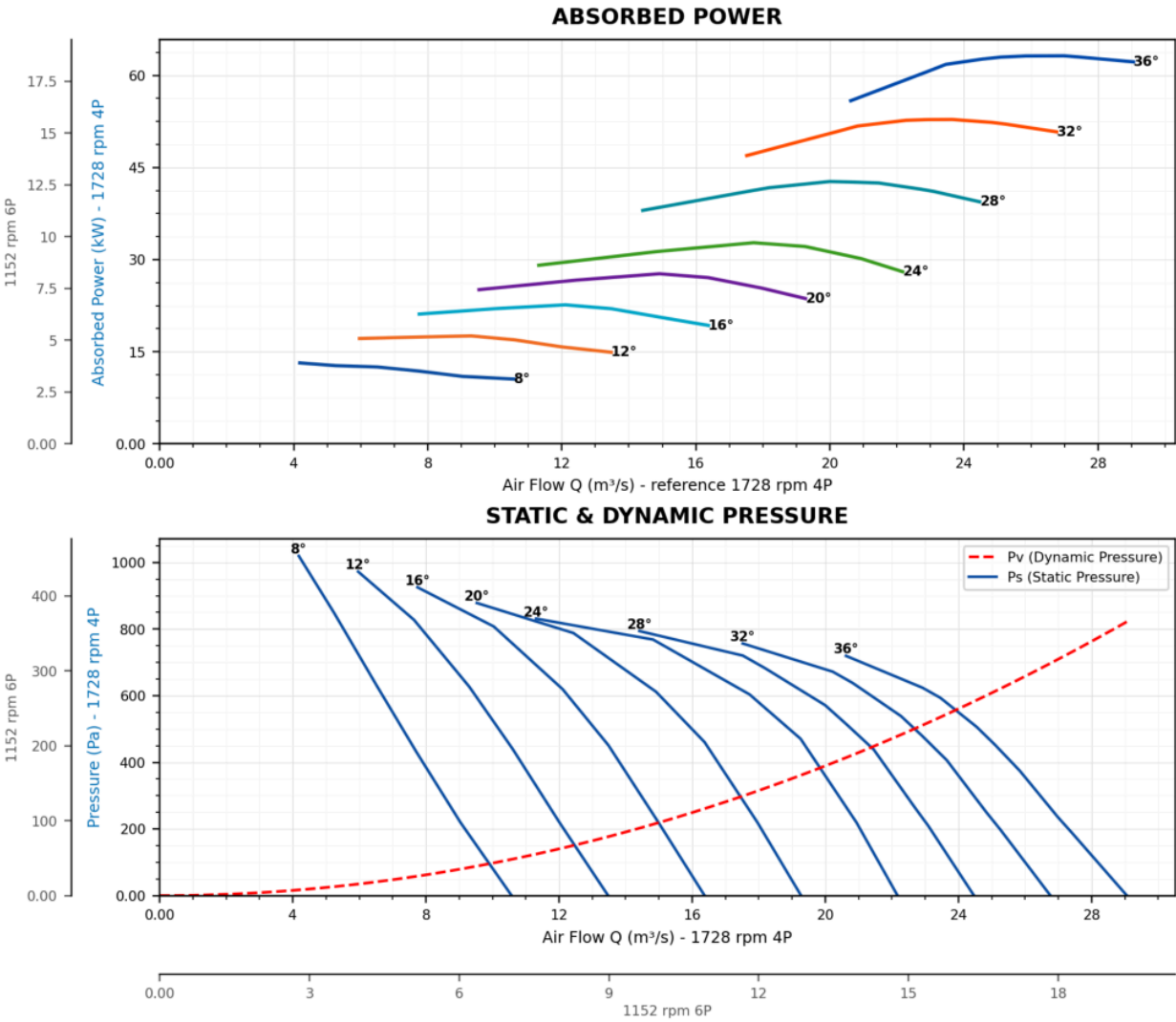
AXF1000 (60 Hz) - COMBINED-SPEED PERFORMANCE

1152 rpm 6P/1728 rpm 4P

AXF1000

AXIAL FLOW FAN | 60 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	108	109	109	112	111	114
Max. kW	37.0		Max. Frame	200		

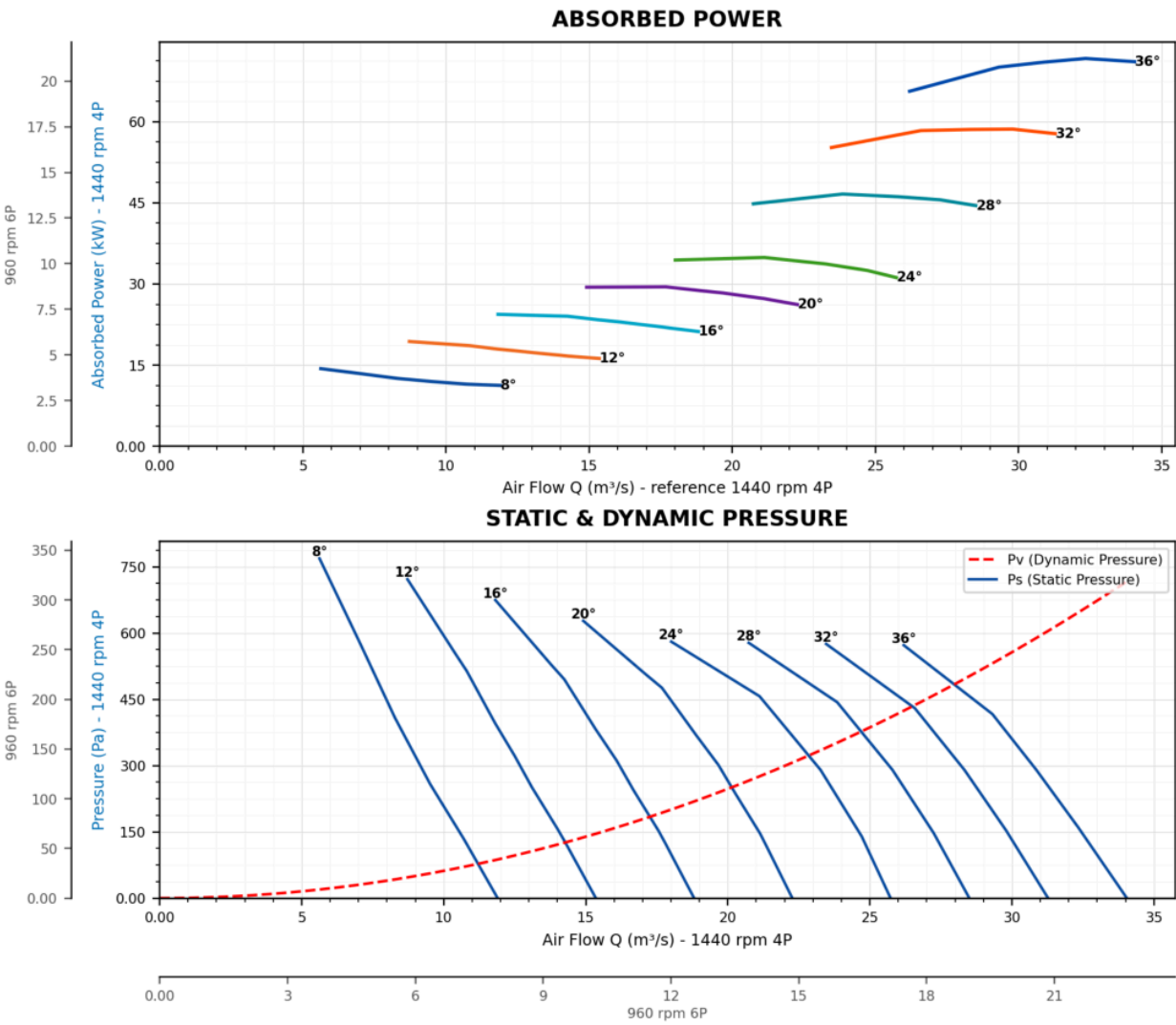
Performance is tested per AMCA 210 for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF1120 (50 Hz) - COMBINED-SPEED PERFORMANCE

960 rpm 6P/1440 rpm 4P

AXF1120
AXIAL FLOW FAN | 50 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	109	110	109	112	111	114
Max. kW	75.0		Max. Frame	250		

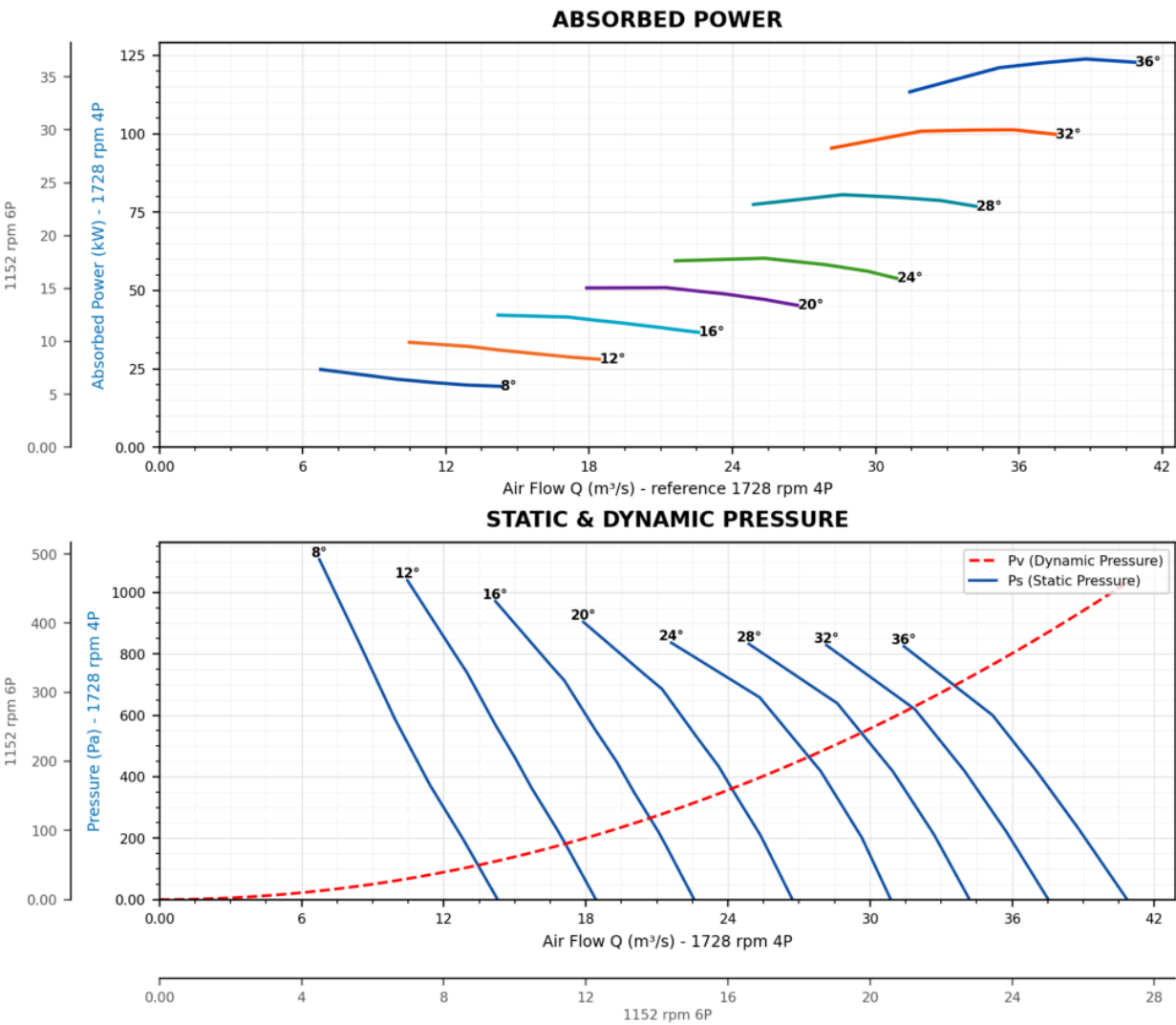
Performance is tested per AMCA 210 for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF1120 (60 Hz) - COMBINED-SPEED PERFORMANCE

1152 rpm 6P/1728 rpm 4P

AXF1120
AXIAL FLOW FAN | 60 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	113	115	114	115	118	120
Max. kW	75.0		Max. Frame	250		

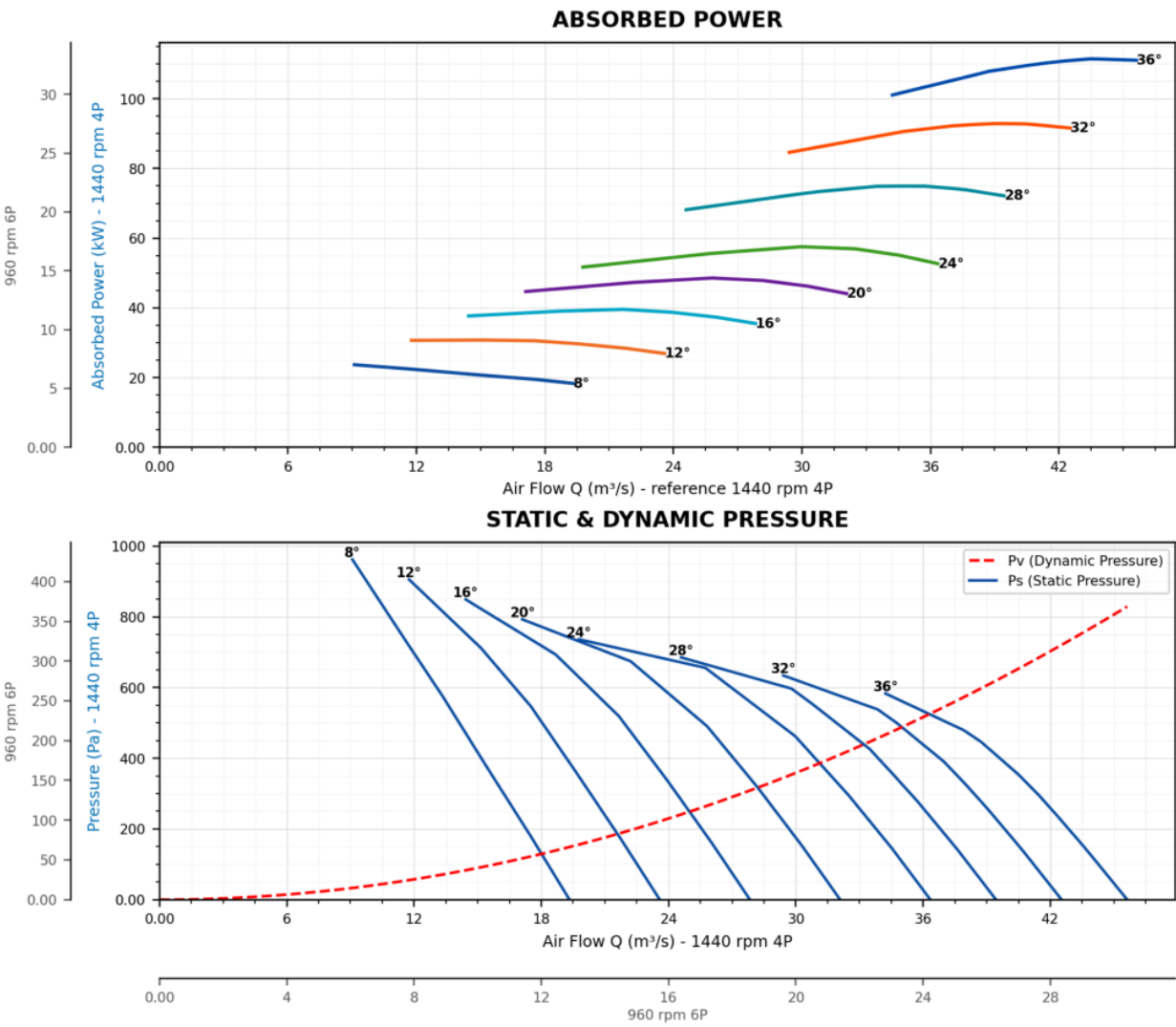
Performance is tested per AMCA 210 for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF1250 (50 Hz) - COMBINED-SPEED PERFORMANCE

960 rpm 6P/1440 rpm 4P

AXF1250
AXIAL FLOW FAN | 50 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	111	113	110	113	114	115
Max. kW	90.0		Max. Frame	280		

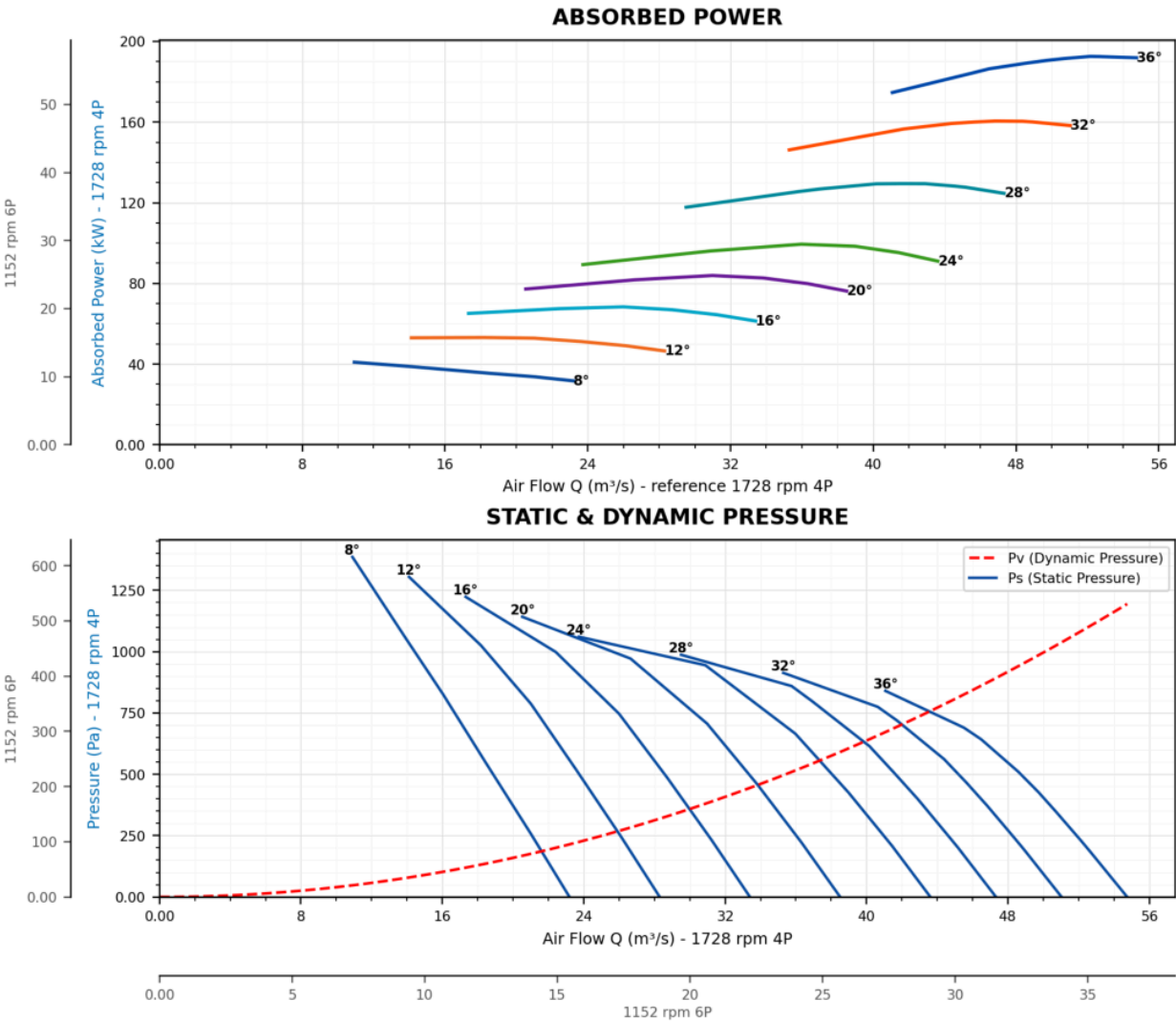
Performance is tested per AMCA 210 for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF1250 (60 Hz) - COMBINED-SPEED PERFORMANCE

1152 rpm 6P/1728 rpm 4P

AXF1250
AXIAL FLOW FAN | 60 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	116	118	115	118	119	119
Max. kW	90.0		Max. Frame	280		

Performance is tested per AMCA 210 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 301. Values shown are for inlet LWiA sound power levels for installation type D ducted inlet, ducted outlet.

AXF SERIES

AXIAL FLOW FAN

AXF1400 (50 Hz) - COMBINED-SPEED PERFORMANCE

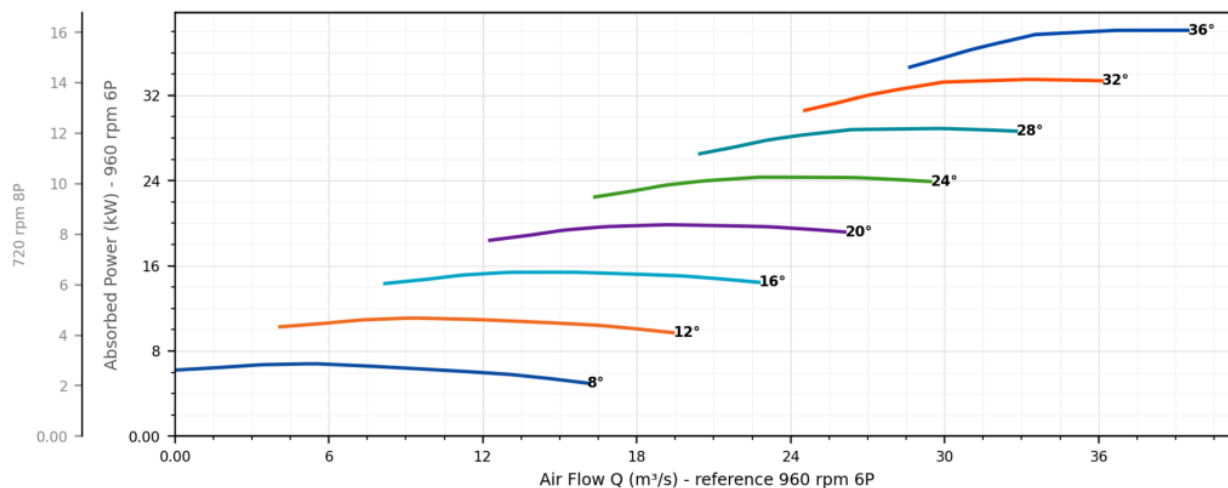
720 rpm 8P/960 rpm 6P

AXF1400

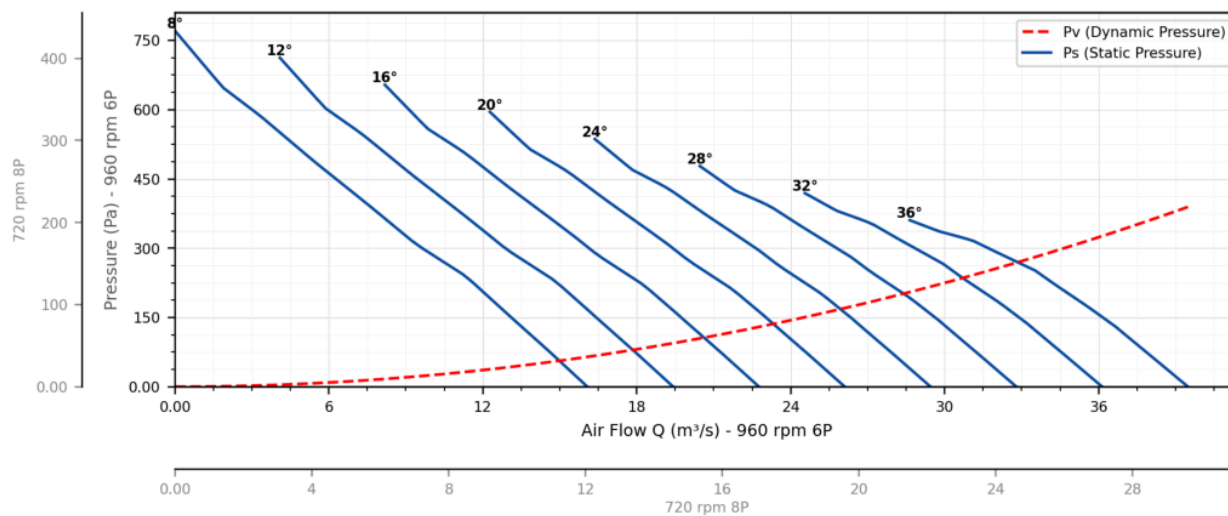
AXIAL FLOW FAN | 50 Hz

$\rho = 1.2 \text{ kg/m}^3$

ABSORBED POWER



STATIC & DYNAMIC PRESSURE



DEG	8			24		
dBA	A	B	C	D	E	F
	103	104	104	106	108	109
Max. kW	75.0		Max. Frame	280		

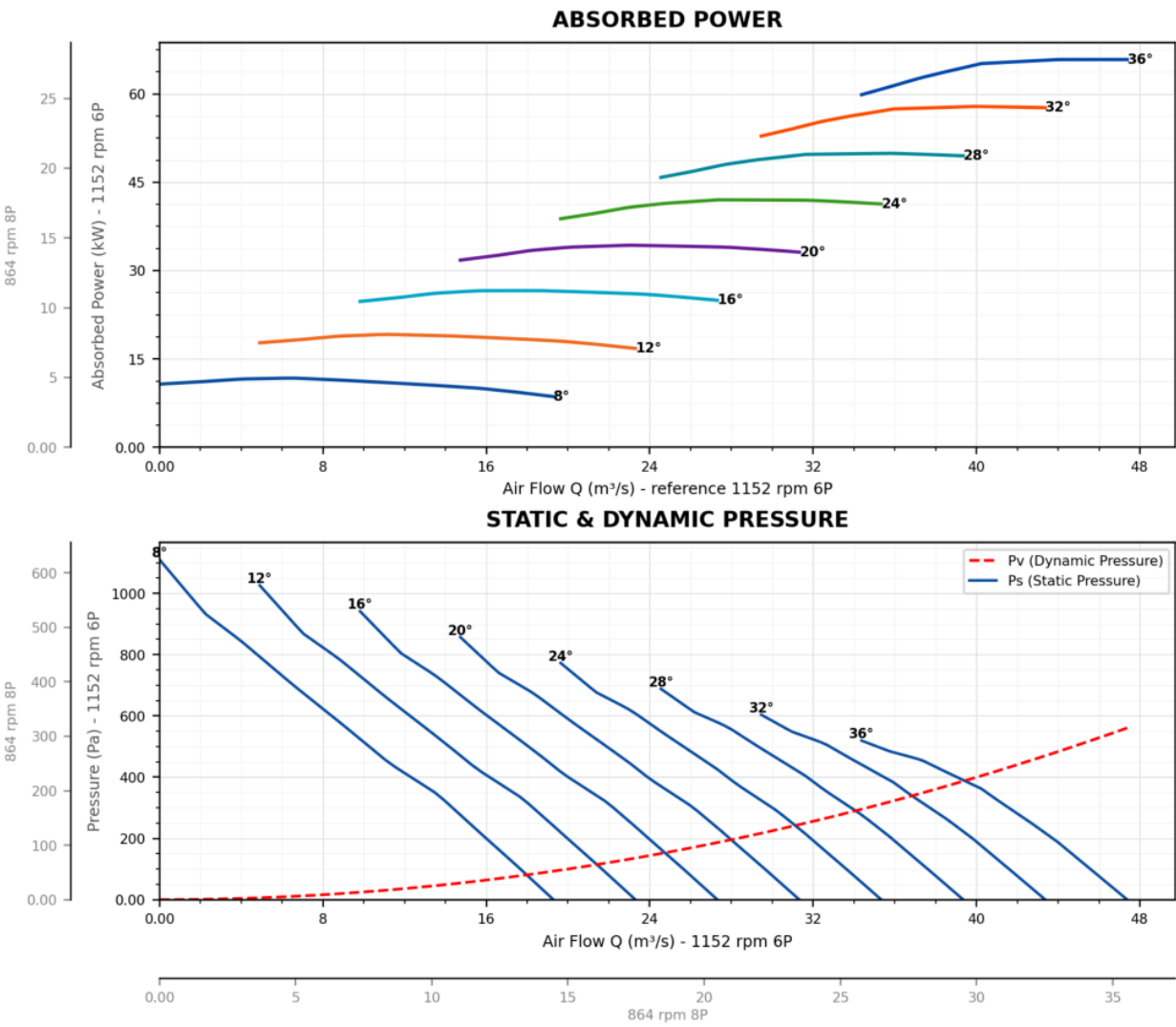
Performance is tested per AMCA 210 for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA 301. Values shown are for outlet LWOA sound power levels for installation type D ducted inlet, ducted outlet.

AXF1400 (60 Hz) - COMBINED-SPEED PERFORMANCE

864 rpm 8P/1152 rpm 6P

AXF1400
AXIAL FLOW FAN | 60 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	108	109	110	112	112	114
Max. kW	75.0		Max. Frame	280		

Performance is tested per AMCA 210 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 301. Values shown are for outlet L_WoA sound power levels for installation type D ducted inlet, ducted outlet.

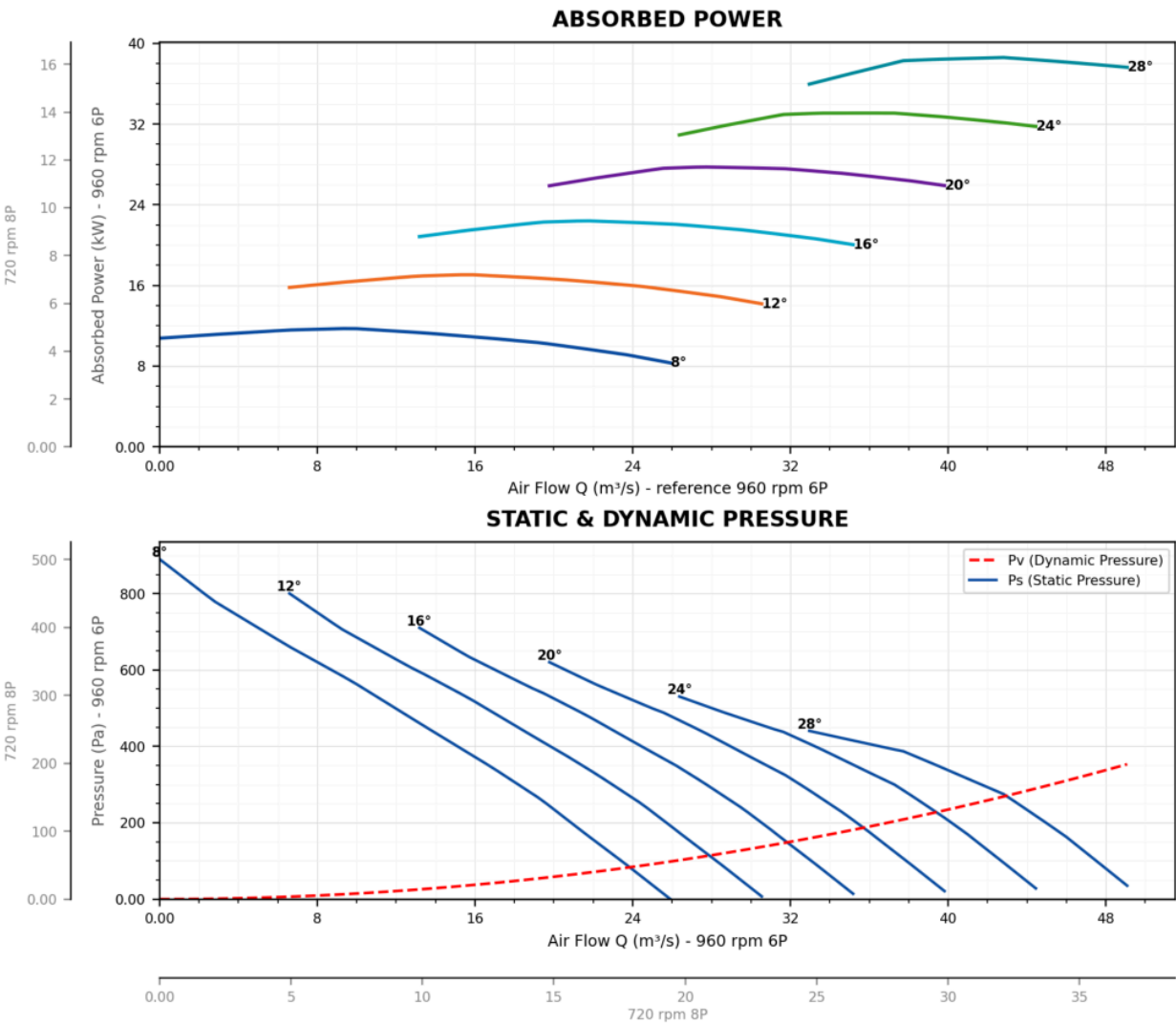
AXF1600 (50 Hz) - COMBINED-SPEED PERFORMANCE

720 rpm 8P/960 rpm 6P

AXF1600

AXIAL FLOW FAN | 50 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	109	109	108	110	110	113
Max. kW	90.0		Max. Frame	280		

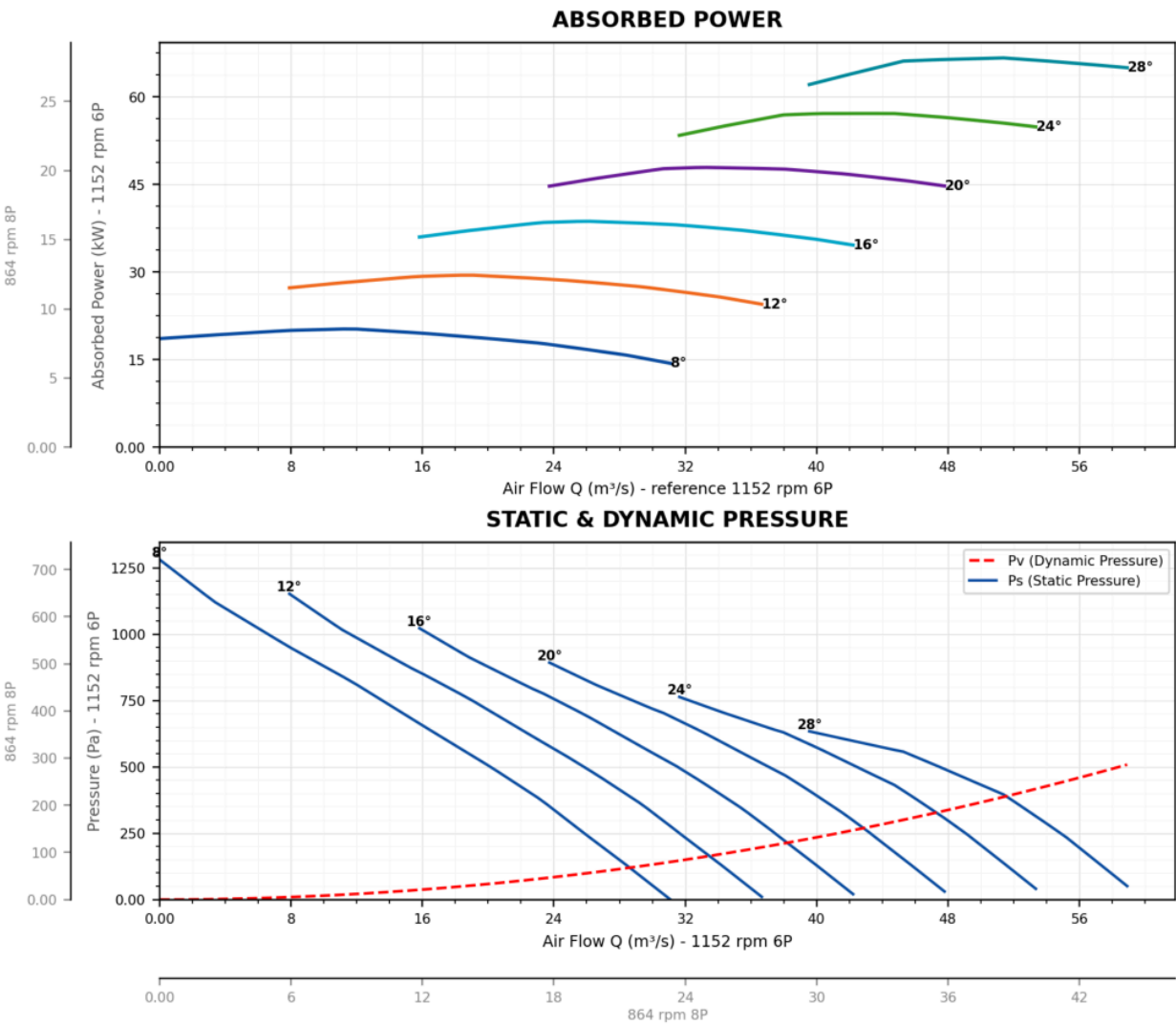
Performance is tested per AMCA 210 for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA 301. Values shown are for outlet LWA sound power levels for installation type D ducted inlet, ducted outlet.

AXF1600 (60 Hz) - COMBINED-SPEED PERFORMANCE

864 rpm 8P/1152 rpm 6P

AXF1600
AXIAL FLOW FAN | 60 Hz

$\rho = 1.2 \text{ kg/m}^3$



DEG	8			24		
dBA	A	B	C	D	E	F
	113	115	113	114	116	118
Max. kW	90.0		Max. Frame	280		

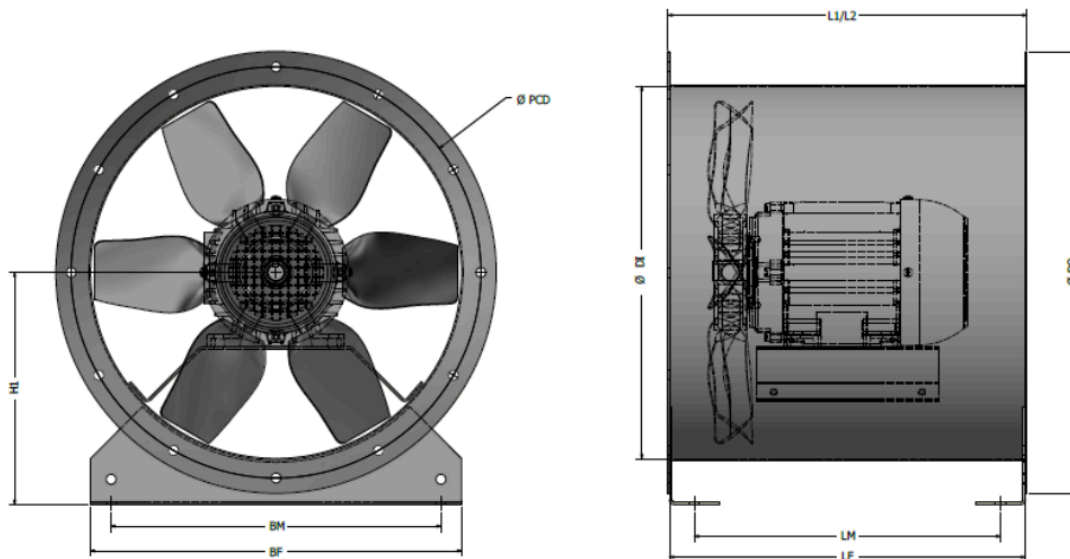
Performance is tested per AMCA 210 for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA 301. Values shown are for outlet LWOA sound power levels for installation type D ducted inlet, ducted outlet.

AXF SERIES

AXIAL FLOW FAN

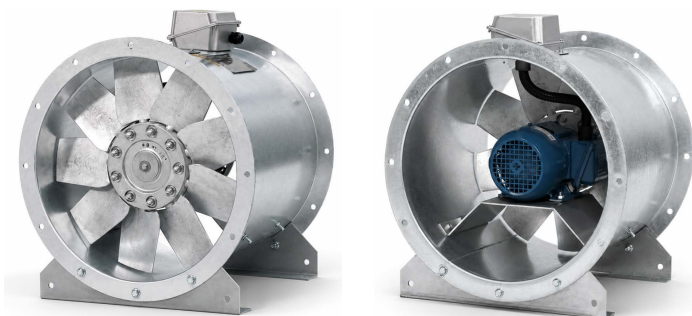
DIMENSIONAL DATA - HORIZONTAL TYPE

Floor / Ceiling Hung



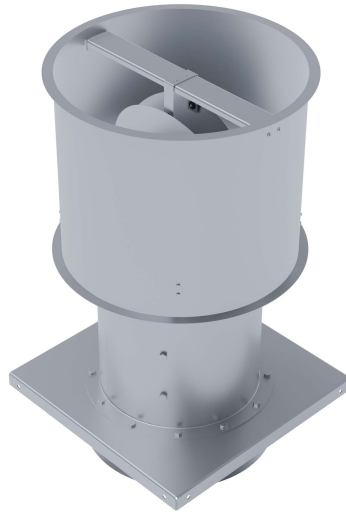
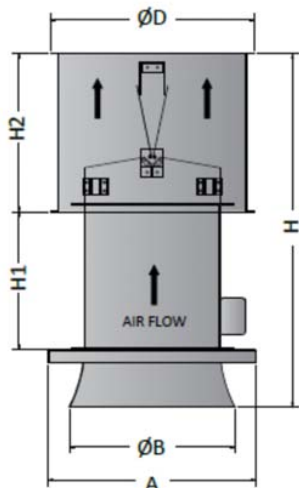
MODEL	DI	DO	BF	BM	L1	L2	LF-L1	LF-L2	LM-L1	LM-L2	H1
315	320	398	315	265	420		416		346		205
355	359	438	355	305	420		416		356		225
400	401	484	400	350	435		431		367		250
450	450	534	450	400	435		431		370		280
500	504	584	500	440	470		466		396		315
560	565	664	560	500	470	700	466	694	397	627	345
630	634	734	630	570	470	700	466	694	392	622	400
710	711	814	710	650	470	700	464	694	396	626	450
800	797	904	800	730	470	700	464	694	385	614	500
900	900	1004	900	830	565	700	559	692	472	605	580
1000	1003	1105	990	930	565	780	559	772	472	684	630
1120	1125	1245	1110	1050	700	1000	692	992	598	898	690
1250	1250	1370	1240	1180	700	1000	692	992	594	894	750
1400	1405	1525	1390	1330		1000		992		892	830
1600	1605	1725	1590	1530		1000		992		892	930

Note: All dimensions are in mm



DIMENSIONAL DATA - VERTICAL TYPE

Vertical Discharge - RV



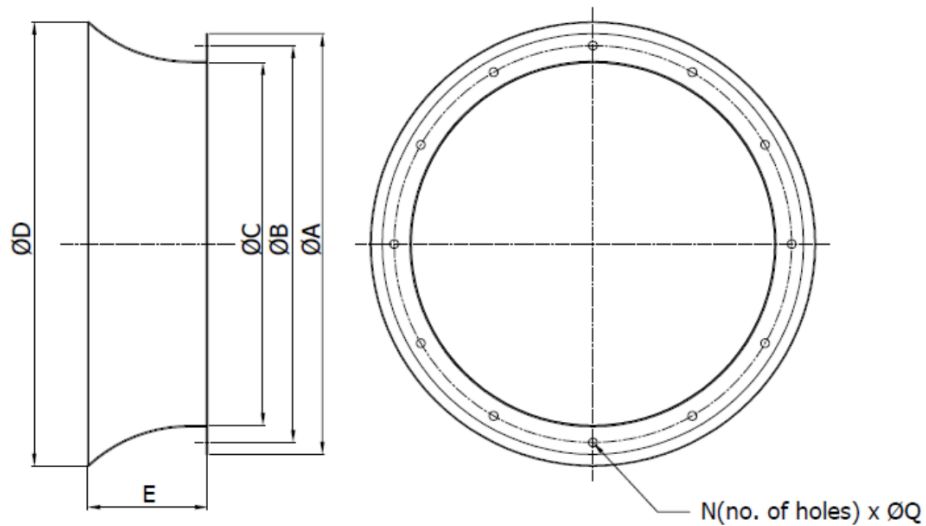
MODEL	A	B	D	H-L1	H-L2	H1-L1	MIN AIRFLOW (m3/s)	ADD. STATIC PRESSURE (Pa)
315	576	426	500	1001		395	0.92	25
355	585	435	554	1020		395	1.14	25
400	657	507	615	1056		410	1.19	25
450	705	555	684	1081		410	1.50	35
500	767	617	684	1143		445	2.02	35
560	817	667	761	1173	1403	420	2.27	35
630	907	757	847	1208	1438	420	2.66	35
710	966	816	944	1251	1481	420	4.11	50
800	1020	915	1053	1374	1604	420	4.99	50
900	1165	1015	1175	1569	1704	515	5.87	50
1000	1265	1115	1300	1623	1838	515	7.78	50
1120	1393	1243	1455	1819	2119	650	9.08	50
1250	1514	1364	1655	1882	2182	650	10.40	50

Note: All dimensions are in mm.

AXF SERIES

AXIAL FLOW FAN

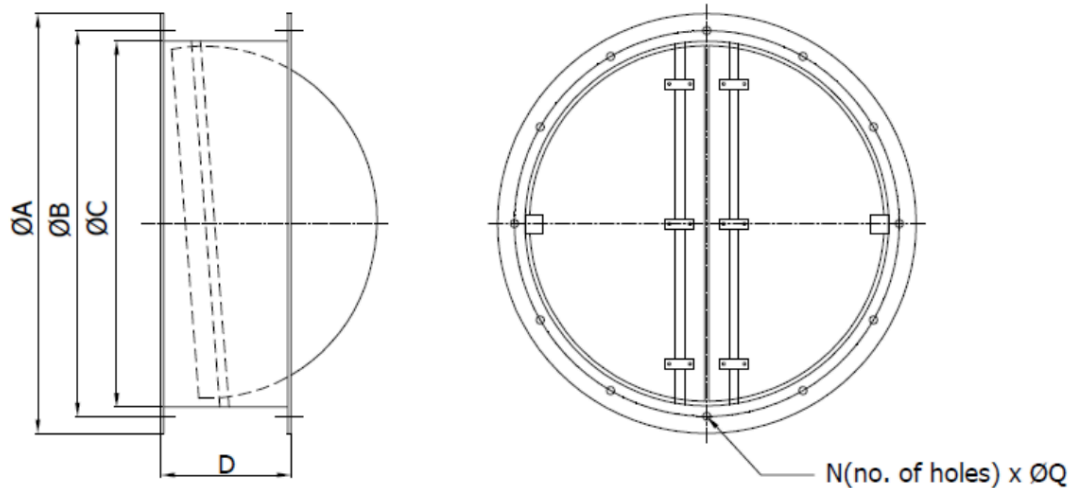
ACCESSORIES - INLET BELL



MODEL	A	B	C	N x Q	D	E
315	398	366	320	8 x 10	425	160
355	438	405	359	8 x 10	435	170
400	484	448	401	12 x 12	505	165
450	534	497	450	12 x 12	550	165
500	584	551	504	12 x 12	615	165
560	664	629	565	16 x 15	665	170
630	734	698	634	16 x 15	760	170
710	814	775	711	16 x 15	815	175
800	904	861	797	12 x 15	917	245
900	1004	958	894	12 x 15	1010	250
1000	1105	1067	1003	12 x 15	1120	255
1120	1245	1200	1125	16 x 15	1240	250
1250	1370	1337	1250	16 x 15	1370	250
1400	1525	1475	1405	16 x 19	1523	250
1600	1725	1675	1605	20 x 19	1723	250

Note: All dimensions are in mm

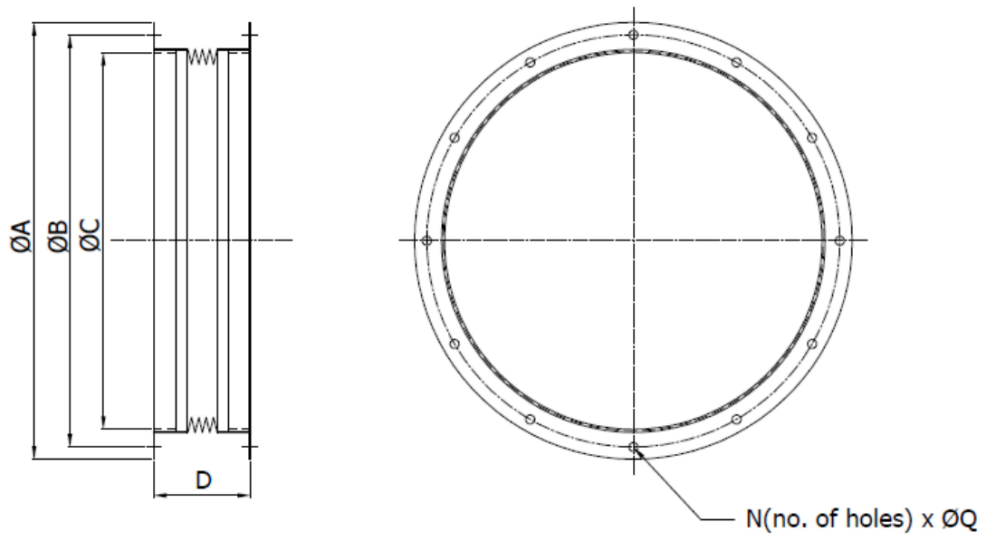
ACCESSORIES - BUTTERFLY DAMPER



MODEL	A	B	C	D	N x Q
315	398	366	320	250	8 x 10
355	438	405	359	250	8 x 10
400	484	448	401	250	12 x 12
450	534	497	450	250	12 x 12
500	584	551	504	250	12 x 12
560	664	629	565	250	16 x 15
630	734	698	634	250	16 x 15
710	814	775	711	350	16 x 15
800	904	861	797	350	12 x 15
900	1004	958	894	350	12 x 15
1000	1105	1067	1003	350	12 x 15
1120	1245	1200	1125	350	16 x 15
1250	1370	1337	1250	400	16 x 15
1400	1525	1475	1405	400	16 x 19
1600	1725	1675	1605	400	20 x 19

Note: All dimensions are in mm

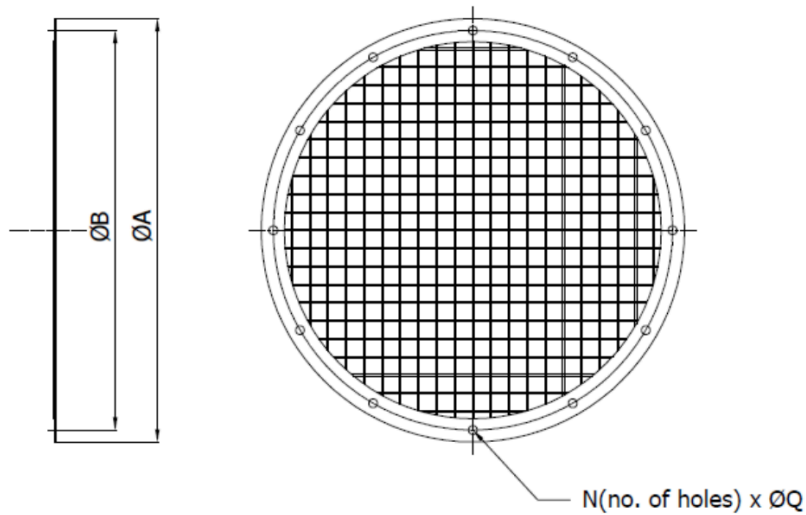
ACCESSORIES - FLEXIBLE CONNECTOR



MODEL	A	B	C	D	N x Q
315	398	366	320	200	8 x 10
355	438	405	359	200	8 x 10
400	484	448	401	200	12 x 12
450	534	497	450	200	12 x 12
500	584	551	504	200	12 x 12
560	664	629	565	300	16 x 15
630	734	698	634	300	16 x 15
710	814	775	711	300	16 x 15
800	904	861	797	300	12 x 15
900	1004	958	894	300	12 x 15
1000	1105	1067	1003	300	12 x 15
1120	1245	1200	1125	300	16 x 15
1250	1370	1337	1250	300	16 x 15
1400	1525	1475	1405	300	16 x 19
1600	1725	1675	1605	300	20 x 19

Note: All dimensions are in mm

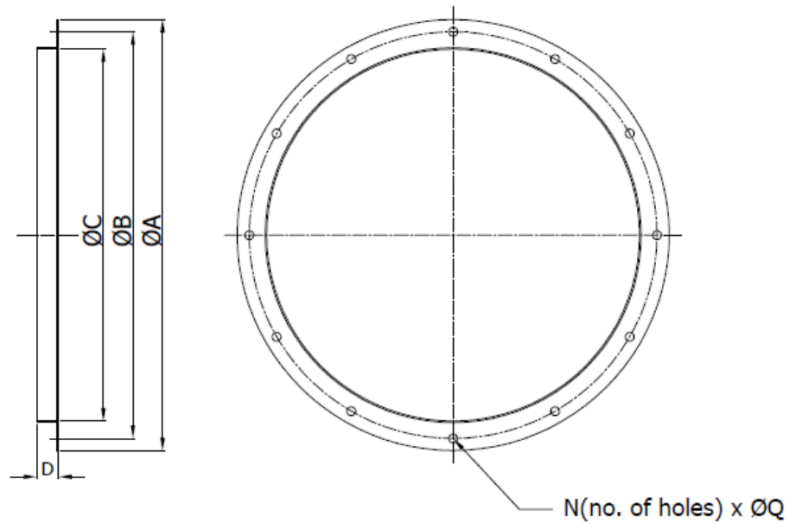
ACCESSORIES - INLET / OUTLET GUARD



MODEL	A	B	N x Q
315	398	366	8 x 12
355	438	405	8 x 12
400	484	448	12 x 12
450	534	497	12 x 12
500	584	551	12 x 12
560	664	629	16 x 15
630	734	698	16 x 15
710	814	775	16 x 15
800	904	861	12 x 15
900	1004	958	12 x 15
1000	1105	1067	12 x 15
1120	1245	1200	16 x 18
1250	1370	1337	16 x 18
1400	1525	1475	16 x 18
1600	1725	1675	20 x 18

Note: All dimensions are in mm

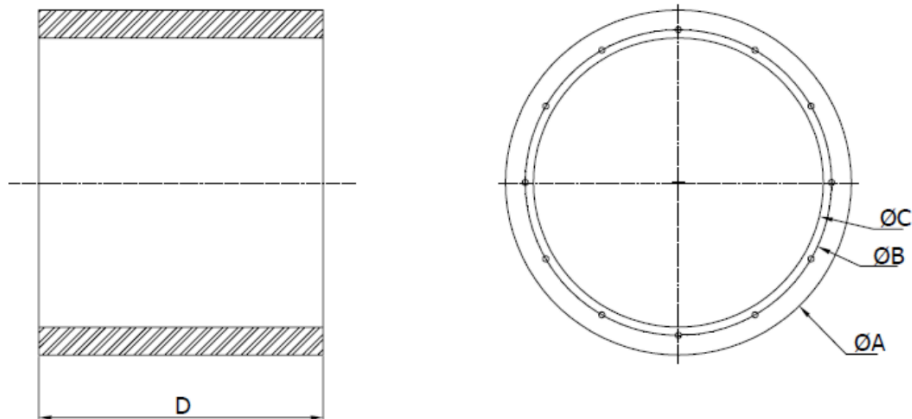
ACCESSORIES - MATCHING FLANGE



MODEL	A	B	C	D	N x Q
315	398	366	320	35	8 x 10
355	438	405	359	35	8 x 10
400	484	448	401	35	12 x 12
450	534	497	450	35	12 x 12
500	584	551	504	45	12 x 12
560	664	629	565	45	16 x 15
630	734	698	634	45	16 x 15
710	814	775	711	65	16 x 15
800	904	861	797	65	12 x 15
900	1004	958	894	65	12 x 15
1000	1105	1067	1003	65	12 x 15
1120	1245	1200	1125	70	16 x 15
1250	1370	1337	1250	70	16 x 15
1400	1525	1475	1405	70	16 x 19
1600	1725	1675	1605	70	20 x 18

Note: All dimensions are in mm

ACCESSORIES - SOUND ATTENUATOR



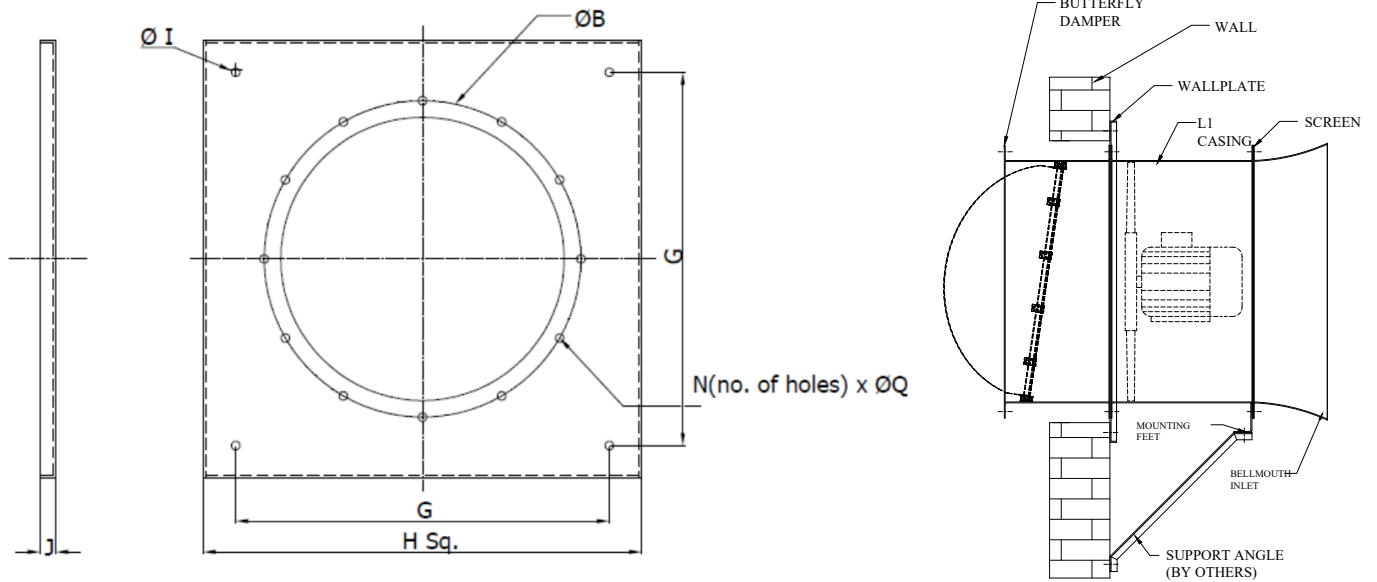
MODEL	A	B	C	D	1D KG	2D	KG
315	420	366	320	315	11	630	15
355	459	405	359	355	14	710	18
400	601	448	401	400	16	800	21
450	650	497	450	450	20	900	26
500	704	551	504	500	25	1000	31
560	765	629	565	560	28	1120	34
630	834	698	634	630	32	1230	41
710	911	775	711	710	41	1420	52
800	997	861	797	800	76	1600	99
900	1094	958	894	900	95	1800	124
1000	1203	1067	1003	1000	138	2000	172
1120	1325	1200	1125	1120	145	2240	186
1250	1450	1337	1250	1250	161	2500	204
1400	1605	1475	1405	1400	217	2800	275
1600	1805	1675	1605	1600	303	3200	383

Note: All dimensions are in mm

AXF SERIES

AXIAL FLOW FAN

ACCESSORIES - WALL PLATE



MODEL	B	G	H sq	Dia. I	J	N x Q
315	366	410	501	12	22	8 x 12
355	405	446	538	12	22	8 x 12
400	448	528	620	12	22	12 x 12
450	497	565	656	12	22	12 x 12
500	551	606	698	12	22	12 x 12
560	629	679	770	15	22	16 x 15
630	698	740	831	15	22	16 x 15
710	775	807	899	15	22	16 x 15
800	861	901	993	15	22	12 x 15
900	958	1001	1093	18	22	12 x 15
1000	1067	1145	1240	18	40	12 x 15
1120	1200	1275	1370	18	40	16 x 18
1250	1337	1405	1490	18	40	16 x 18

Note: All dimensions are in mm

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