BAF - POWERFOIL® X4 - HVLS FAN SPECIFICATION SHEET

POWERFOIL. X4

What do you do after making the best industrial fan in the world? You make it better. Driven by this spirit of innovation, Powerfoil X4 has the industry-leading airflow, safety, and performance needed to transform harsh industrial environments into comfortable conditions. Featuring a high-efficiency motor, full-fan IP56 rating, and multiple redundant safety features, Powerfoil X4 is engineered to improve indoor air quality and occupant comfort far longer than the competition.

KEY FEATURES

- **Eight aluminum airfoils** with advanced winglets, safety restraints, and AirFence® system

- **NitroSeal™ gearbox** hermetically sealed for durability and longevity

- **Standard IP56 rating for the entire fan** makes it perfect for harsh environments

- **Largest diameter and airflow coverage area** of any fan on the market

- **Best-in-class safety features** including aircraft-grade steel safety cables and patented dual-axis mounting system

- **Available upgrades** include control systems, ion technology, occupancy sensor, LED kit, and more

DIAMETER	MOTOR	MOUNTING	WARRANTY	
12–30° FEET (3.7–9.1 METERS)	**NITROSEAL DRIVE SYSTEM**	**I-BEAMS, BAR JOISTS, SOLID BEAMS, AND PURLINS**	UP TO **15 YEARS** MECHANICAL	UP TO **15 YEARS** ELECTRICAL

*The 30' diameter option is NOT available for any buildings with an existing sprinkler system (including an ESFR system) or where such a system may be installed, in accordance with applicable NFPA standards.

BIG ASS FANS®
EXCEPTIONALLY ENGINEERED

DISCOVER MORE ABOUT POWERFOIL X4

Learn more at **bigassfans.com/powerfoil-x4** or call **877.BIG.FANS** for a free custom quote.
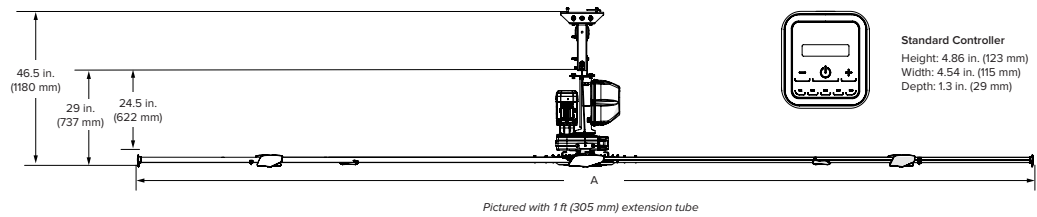
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TECHNICAL SPECIFICATIONS

POWERFOIL® X4

BIGGER. STRONGER. TOUGHER. THE NEXT LEVEL OF INNOVATION IS HERE.

46.5 in. (1180 mm)
29 in. (737 mm)
24.5 in. (622 mm)

A

Pictured with 1 ft (305 mm) extension tube

Standard Controller
Height: 4.86 in. (123 mm)
Width: 4.54 in. (115 mm)
Depth: 1.3 in. (29 mm)

Technical Specifications

Fan	Diameter (A)[1]	Weight[2]	Max Speed	Input Power and Required Breaker	Motor Horsepower	Airfoil Clearances[3]	Max Operating Temperature
PFX4-12	12 ft (3.6 m)	245 lb (111 kg)	130 RPM	200–240 VAC, 50/60 Hz, 1 Φ, 20 A 200–240 VAC, 50/60 Hz, 3 Φ, 15 A 400–480 VAC, 50/60 Hz, 3 Φ, 10 A 575–600 VAC, 50/60 Hz, 3 Φ, 10 A	1.9 hp (1.4 kW)	2 ft (0.6 m) on sides 5 ft (1.5 m) below ceiling	122°F (50°C)
PFX4-14	14 ft (4.3 m)	254 lb (115 kg)	116 RPM		1.9 hp (1.4 kW)	2 ft (0.6 m) on sides 5 ft (1.5 m) below ceiling	
PFX4-16	16 ft (4.9 m)	264 lb (120 kg)	96 RPM			2 ft (0.6 m) on sides 6 ft (1.8 m) below ceiling	
PFX4-18	18 ft (5.5 m)	281 lb (127 kg)	90 RPM			2 ft (0.6 m) on sides 6 ft (1.8 m) below ceiling	
PFX4-20	20 ft (6.1 m)	290 lb (132 kg)	76 RPM		2.5 hp (1.85 kW)	2 ft (0.6 m) on sides 7 ft (2.1 m) below ceiling	
PFX4-24	24 ft (7.3 m)	347 lb (157 kg)	62 RPM			2 ft (0.6 m) on sides 7 ft (2.1 m) below ceiling	
PFX4-30	30 ft (9.1 m)	374 lb (179 kg)	46 RPM			2 ft (0.6 m) on sides 10 ft (3 m) below ceiling	

Construction Features

Airfoils	Motor and Gearbox	Onboard VFD and Functional Platform	Mounting	Multi-Point Safety[4]	Colors
Eight custom-engineered airfoils (mill finish) with winglets (BAF Yellow) for optimum airflow	Rated IP56 Fully sealed NitroSeal™ Drive gearbox (STÖBER®) reduces heat buildup and resists corrosion for extended life	Housed in spacious ABS/PVC-based enclosure with built-in heatsink Functional platform integrates lights, security cameras, speakers, or other devices	Standard upper mount installs to I-beams and bar joists Optional kits allow for mounting to solid beams and purlins	Double safety cable system, airfoil retainers, hub safety clips, Grade 8 hardware, fire relay, guy wires, and airfoil restraint system	Standard colors are silver and yellow Individualize your fan with one of our classic color upgrades, or create a shade that's all your own

Controls

Standard Controller	Integrations	BAFCon Upgrade[5]
Made from durable UV-resistant materials Rated IP55 Intuitive touchscreen interface On/Off and variable speed control Password protection Powered by fan drive	Building automation systems (Modbus-RTU protocol or BACnet adapter) 0–10 V control Fire suppression systems	Integrated SmartSense technology automatically adjusts fan speed based on seasonal conditions 24-bit color LCD display with resistive touchscreen protected in sleek metal and ABS housing Powered by fan drive

Standard Controller

[1] The 30 ft (9.1 m) diameter is NOT available for buildings with an existing sprinkler system (including an ESFR system) or where such a system may be installed, in accordance with applicable NFPA standards.
[2] Weight does not include mount or extension tube.
[3] Measure the distance from the tip of the winglet to the ceiling or major obstruction.
[4] Airfoil restraint system comes standard on 20–30 ft (6–9.1 m) fans and is an option for smaller diameter fans. The fire relay must be wired during install if required by local code. Guy wires are included with fans that have extension tubes 4 ft (1.2 m) or longer.
[5] Optional upgrade available; ships separately.

Lead times may vary.
See full warranty for coverage information.