

POWERFOIL X3.0

Experience the transformative airflow of the industry's most powerful HVLS fan. Powerfoil X3.0 is purpose-built to deliver comfort and cost savings that motivate your workforce and revolutionize your facility. Its superior drive, hub, and airfoil systems provide the durability, safety, and efficiency you need to take your business to the next level.



KEY FEATURES

- ▶ **Eight airfoils** with AirFence® system, winglets, and safety restraints
- ▶ **NitroSeal™ gearbox** hermetically sealed for a lifetime of dependable operation
- ▶ **Oversized hub system** with platform for occupancy sensor or LED kit
- ▶ **Greater airflow coverage** area than any other Big Ass fan
- ▶ **Pre-wired onboard VFD** quickly dissipates heat and eliminates RFI and EMI noise
- ▶ **Special motor packages** and premium customization options

DIAMETER

12-24 FEET
(3.7-7.3 METERS)

MOTOR

NITROSEAL
DRIVE SYSTEM

MOUNTING

I-BEAMS, BAR JOISTS,
SOLID BEAMS, AND PURLINS

WARRANTY

UP TO
15 YEARS
MECHANICAL

UP TO
15 YEARS
ELECTRICAL



BIG ASS FANS

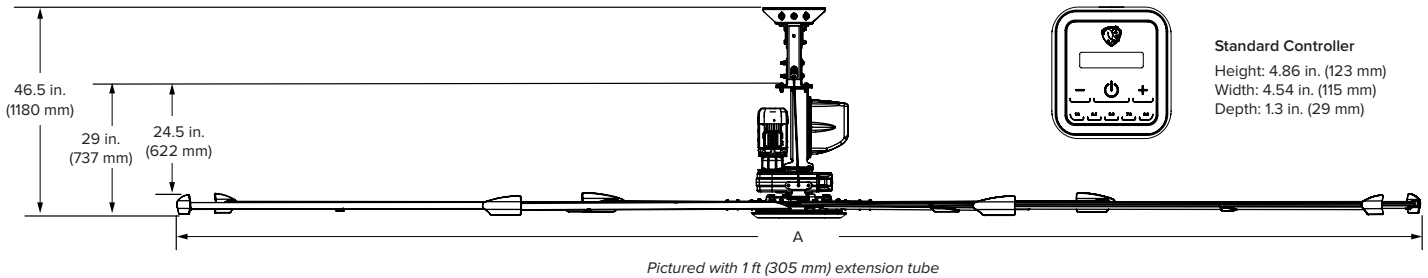
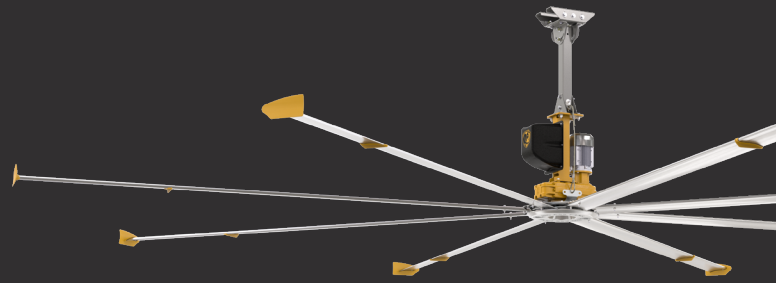
EXCEPTIONALLY
ENGINEERED

DISCOVER MORE ABOUT POWERFOIL X3.0

Learn more at bigassfans.com/powerfoil-x30
or call **877.BIG.FANS** for a free custom quote.

POWERFOIL® X3.0

IT'S BIG. IT'S BAD. IT MOVES A TON OF AIR.



Technical Specifications							
Fan	Diameter (A)	Weight ¹	Max Speed	Input Power and Required Breaker	Motor Horsepower	Airfoil Clearances	Max Operating Temperature
PFX3-12	12 ft (3.6 m)	245 lb (111 kg)	139 RPM	200–240 VAC, 50/60 Hz, 1 Φ, 30 A 200–240 VAC, 50/60 Hz, 3 Φ, 20 A 400–480 VAC, 50/60 Hz, 3 Φ, 10 A 575–600 VAC, 50/60 Hz, 3 Φ, 10 A	1.5 hp (1.1 kW)	2 ft (0.6 m) on sides	122°F (50°C)
PFX3-14	14 ft (4.3 m)	254 lb (115 kg)	118 RPM			5 ft (1.5 m) below ceiling	
PFX3-16	16 ft (4.9 m)	264 lb (120 kg)	99 RPM		2.0 hp (1.5 kW)	2 ft (0.6 m) on sides	
PFX3-18	18 ft (5.5 m)	281 lb (127 kg)	88 RPM			6 ft (1.8 m) below ceiling	
PFX3-20	20 ft (6.1 m)	290 lb (132 kg)	78 RPM			2 ft (0.6 m) on sides	
PFX3-24	24 ft (7.3 m)	347 lb (157 kg)	65 RPM	7 ft (2.1 m) below ceiling			

Construction Features						
Airfoils	Motor and Drive	Onboard VFD and Functional Platform	Certifications	Mounting	Multi-Point Safety ³	Colors
Eight patented Powerfoil airfoils (mill finish) Powerfoil winglets eliminate wind noise (BAF Yellow)	NitroSeal™ Drive gearbox (STÖBER); fully sealed drive enclosure resists corrosion and reduced heat buildup for longer life. Rated IP43; optional IP55 motor for harsh environments	Housed in an ABS/PVC-based enclosure with built-in heatsink; virtually eliminates RFI and EMI noise Functional platform integrates lights, security cameras, speakers, or other devices	UL Standard 507 and CSA Standard 22.2 No. 113 Intertek CE	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 work with our design consultants to create a shade that's all your own.

Controls		
Standard Controller	Integrations	BAFCon Upgrade ⁴
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



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

¹ Weight does not include mount or extension tube.
² Measure the distance from the tip of the winglet to the ceiling or major obstruction.
³ Airfoil restraint system comes standard on 20–24 ft (6–7.3 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.
⁴ Optional upgrade available; ships separately.



USA
BIGASSFANS.COM
877-244-3267

CANADA
BIGASSFANS.COM
844-924-4277

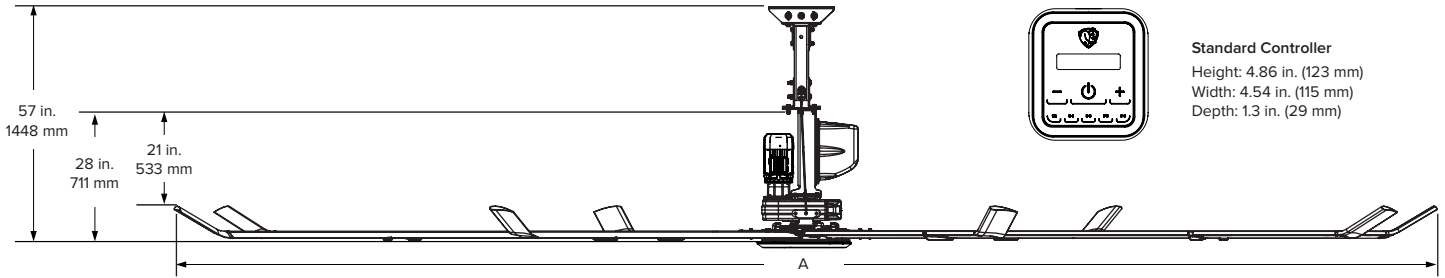
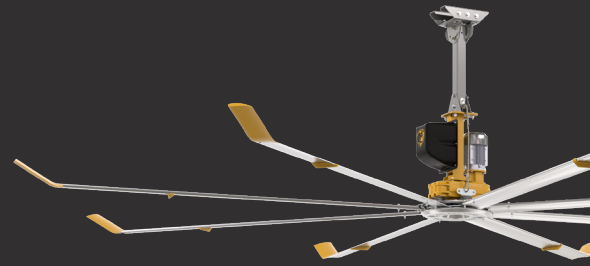
AUSTRALIA
BIGASSFANS.COM/AU
1300 244 277

SINGAPORE
BIGASSFANS.COM/SG
65 6709 8500

MALAYSIA
BIGASSFANS.COM/SG
603 5565 0888

POWERFOIL[®] X3.0PLUS

IT'S BIG. IT'S BAD. IT MOVES A TON OF AIR.



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

Pictured with 2-ft (609-mm) extension tube

Technical Specifications

Fan	Diameter (A)	Weight ¹	Max Speed	Input Power and Required Breaker	Motor Horsepower	Airfoil Clearances ²	Max Operating Temperature
PPX3-12	14 ft (4.3 m)	249 lb (113 kg)	118 RPM	200–240 VAC, 50/60 Hz, 1 Φ, 30 A 200–240 VAC, 50/60 Hz, 3 Φ, 20 A 400–480 VAC, 50/60 Hz, 3 Φ, 10 A 575–600 VAC, 50/60 Hz, 3 Φ, 10 A	1.5 hp (1.1 kW)	2 ft (0.6 m) on sides	122°F (50°C)
PPX3-14	16 ft (4.9 m)	259 lb (117 kg)	99 RPM			6 ft (1.8 m) below ceiling	
PPX3-16	18 ft (5.5 m)	276 lb (125 kg)	89 RPM		2 ft (0.6 m) on sides		
PPX3-18	20 ft (6.1 m)	285 lb (129 kg)	78 RPM		7 ft (2.1 m) below ceiling		
PPX3-20	22 ft (6.7 m)	334 lb (152 kg)	70 RPM		2 ft (0.6 m) on sides		
PPX3-24	24 ft (7.3 m)	343 lb (156 kg)	62 RPM		8 ft (2.4 m) below ceiling		

Construction Features

Airfoils	Motor and Drive	Onboard VFD and Functional Platform	Certifications	Mounting	Multi-Point Safety ³	Colors
Eight patented Powerfoil airfoils (mill finish) Powerfoil winglets eliminate wind noise (BAF Yellow)	NitroSeal™ Drive gearbox (STÖBER®); fully sealed drive enclosure resists corrosion and reduced heat buildup for longer life. Rated IP43; optional IP55 motor for harsh environments	Housed in an ABS/PVC-based enclosure with built-in heatsink; virtually eliminates RFI and EMI noise Functional platform integrates lights, security cameras, speakers, or other devices	UL Standard 507 and CSA Standard 22.2 No. 113 CE	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 work with our design consultants to create a shade that's all your own.

Controls

Standard Controller	Integrations	BAFCon Upgrade ⁴
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 and 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 Weight does not include mount or extension tube.
² Measure the distance from the tip of the winglet to the ceiling or major obstruction.
³ Airfoil restraint system comes standard on 20–24 ft (6–7.3 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.
⁴ Optional upgrade available; ships separately.

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



USA
 BIGASSFANS.COM
 877-244-3267

CANADA
 BIGASSFANS.COM
 844-924-4277

AUSTRALIA
 BIGASSFANS.COM/AU
 1300 244 277

SINGAPORE
 BIGASSFANS.COM/SG
 65 6709 8500

MALAYSIA
 BIGASSFANS.COM/SG
 603 5565 0888