

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

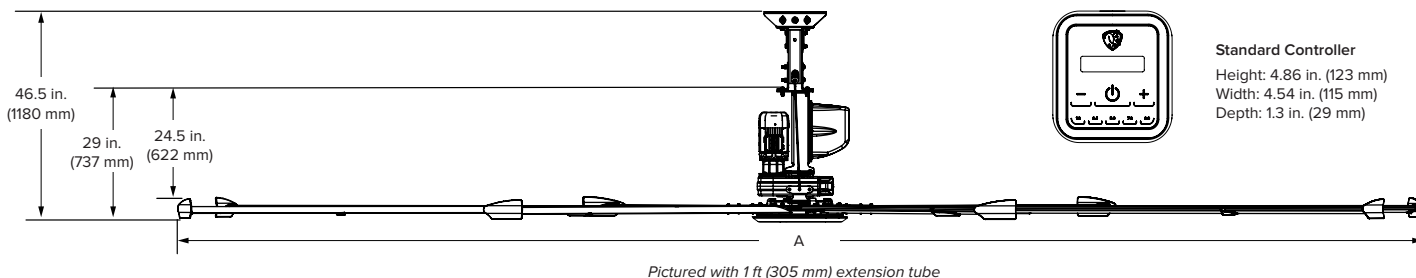
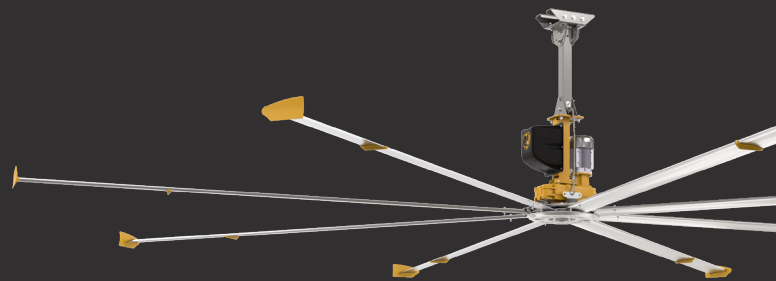


DISCOVER MORE ABOUT POWERFOIL X3.0

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 5 ft (1.5 m) below ceiling | 122°F (50°C) |
| PFX3-14 | 14 ft (4.3 m) | 254 lb (115 kg) | 118 RPM | | | 2 ft (0.6 m) on sides 6 ft (1.8 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 7 ft (2.1 m) below ceiling | |
| PFX3-18 | 18 ft (5.5 m) | 281 lb (127 kg) | 88 RPM | | | | |
| PFX3-20 | 20 ft (6.1 m) | 290 lb (132 kg) | 78 RPM | | | | |
| PFX3-24 | 24 ft (7.3 m) | 347 lb (157 kg) | 65 RPM | | | | |

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 (safety 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 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 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.



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BIGASSFANS.COM
877-244-3267

CANADA
BIGASSFANS.COM
844-924-4277

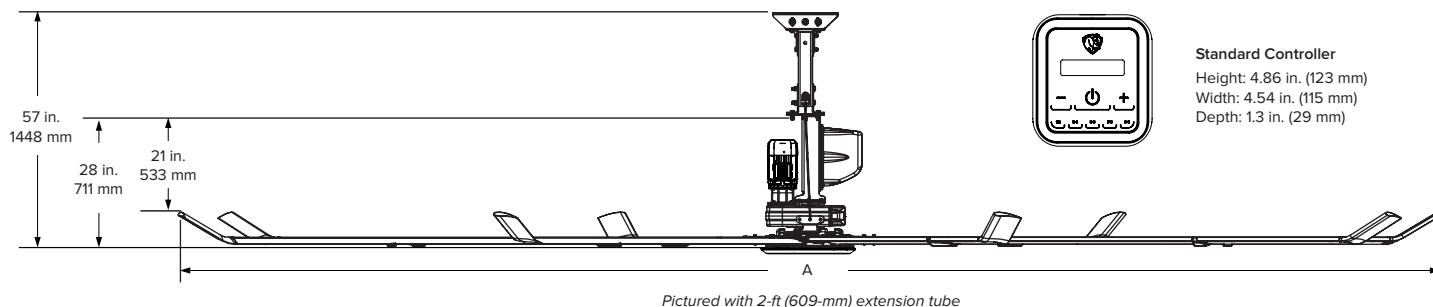
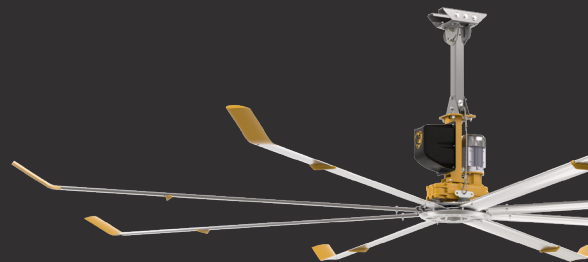
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603 5565 0888

POWERFOIL® X3.0PLUS

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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 6 ft (1.8 m) below ceiling | 122°F (50°C) |
| PPX3-14 | 16 ft (4.9 m) | 259 lb (117 kg) | 99 RPM | | | 2 ft (0.6 m) on sides | |
| PPX3-16 | 18 ft (5.5 m) | 276 lb (125 kg) | 89 RPM | | 2.0 hp (1.5 kW) | 7 ft (2.1 m) below ceiling | |
| PPX3-18 | 20 ft (6.1 m) | 285 lb (129 kg) | 78 RPM | | | 2 ft (0.6 m) on sides | |
| PPX3-20 | 22 ft (6.7 m) | 334 lb (152 kg) | 70 RPM | | | 8 ft (2.4 m) below ceiling | |
| PPX3-24 | 24 ft (7.3 m) | 343 lb (156 kg) | 62 RPM | | | | |

Construction Features

| Airfoils | Motor and Drive | Onboard VFD and Functional Platform | Certifications | Mounting | Multi-Point Safety ³ | Colors |
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