



**BIG ASS FANS**

# POWERFOIL<sup>®</sup> 5

**A NEW BUILD ESSENTIAL**

## THE FOUNDATION OF SMARTER COOLING

Design your next project with comfort in mind—preventing heat stress before it becomes a problem. Powerfoil 5 is available exclusively for contractors, bringing top-tier performance to facilities without blowing the budget. From quick install and smooth operation to a precision-engineered gearbox and bold branded finishes, PF5 has all the components of industry-leading quality at a more affordable price point.

## BENEFITS

- Industry-leading, redundant safety systems
- Fully wired and factory tested
- Variable speed operation
- Branded hub and VFD covers
- Optional BAFCon and BAS integration
- Up to 7-years mechanical warranty; 3-year electrical; 1-year labor

## KEY FEATURES

- Five aluminum airfoils with winglets and safety restraints
- Sealed helical gearbox and industrial motor
- 8'–24' diameter options
- Mounts to I-beams, bar joists, solid beams, and purlins

## FOR MORE INFORMATION

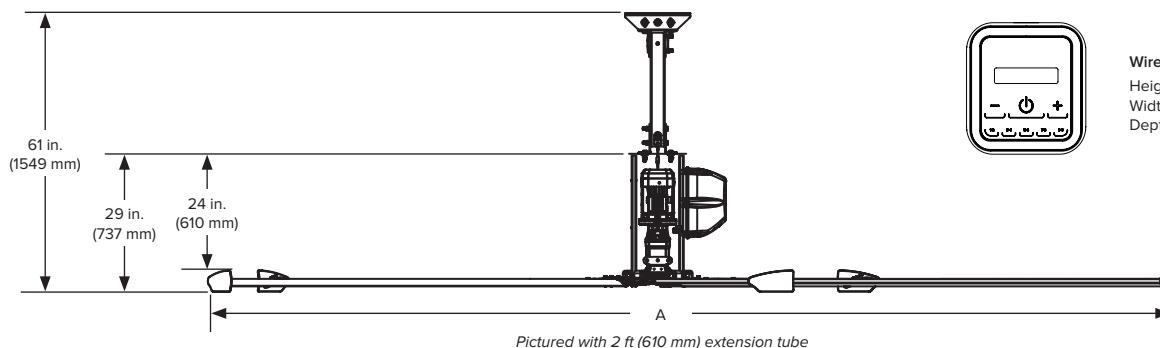
Email [newconstruction@bigassfans.com](mailto:newconstruction@bigassfans.com) or call **859.397.5881** to learn more about Powerfoil 5.



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# POWERFOIL 5

## TECHNICAL SPECIFICATIONS



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

### Technical Specifications

Diameter (A)	Max Weight <sup>1</sup>	Max Speed	Input Power and Required Breaker	Motor Horsepower	Airfoil Clearances <sup>2</sup>	Max Operating Temperature
8 ft (2.4 m)	118 lb (53.5 kg)	184 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	1.0 hp (0.75 kW)	2 ft (0.6 m) on sides 4 ft (1.2 m) below ceiling	104°F (40°C)
10 ft (3.0 m)	128 lb (58.1 kg)	151.7 RPM		1.0 hp (0.75 kW)		
12 ft (3.7 m)	176 lb (79.8 kg)	125.5 RPM		1.5 hp (1.1 kW)	2 ft (0.6 m) on sides 5 ft (1.5 m) below ceiling	
14 ft (4.3 m)	182 lb (82.6 kg)	101.3 RPM		1.5 hp (1.1 kW)	2 ft (0.6 m) on sides 6 ft (1.8 m) below ceiling	
16 ft (4.9 m)	193 lb (87.5 kg)	86.1 RPM		1.5 hp (1.1 kW)		
18 ft (5.5 m)	198 lb (89.8 kg)	79.5 RPM		2.0 hp (1.5 kW)	2 ft (0.6 m) on sides 7 ft (2.1 m) below ceiling	
20 ft (6.1 m)	204 lb (92.5 kg)	70.5 RPM		2.0 hp (1.5 kW)		
24 ft (7.3 m)	215 lb (97.5 kg)	52.7 RPM		2.0 hp (1.5 kW)		

### Construction Features

Airfoils	Motor and Onboard VFD	Mounting	Multi-Point Safety <sup>3</sup>	Colors
Five patented Powerfoil airfoils (mill finish) Powerfoil winglets eliminate wind noise (BAF yellow)	Industrial-grade motor and gearbox feature inline helical-cut gears for efficient, durable, and reliable operation; lubricated for life with synthetic oil Onboard, pre-wired NEMA 4X VFD housed in spacious ABS/PVC-based enclosure with built-in heatsink	Standard upper mount installs to I-beams and bar joists Extension tubes available in 1, 2, 3, 4, 5, 10, or 15 ft lengths (0.3, 0.6, 0.9, 1.2, 1.5, 3, or 4.6 m lengths) 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

Wired Standard Control	BAFCon Upgrade <sup>4</sup>	Integrations
Made from durable UV-resistant materials Rated IP55 Intuitive touchscreen interface On/Off and variable speed control Password protection Powered by fan drive	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	Building automation systems (Modbus-RTU protocol or BACnet adapter) Fire suppression systems

### Wired Standard Control



<sup>1</sup> Weight does not include mount or extension tube.

<sup>2</sup> Measure the distance from the tip of the winglet to the ceiling or major obstruction.

<sup>3</sup> Airfoil restraint system comes standard on 20–24 ft (6.1–7.3 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.

<sup>4</sup> Optional upgrade available; ships separately.



Lead times may vary.

See full warranty for coverage information.



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