

POWERFOIL 8

Powerfoil 8 connects you with the top-level performance and expert engineering that define our Powerfoil line. Built to excel in tough environments, it provides the airflow your people need to stay safe and motivated to get the job done. With a powerful, efficient motor and multi-patented airfoil technology, Powerfoil 8 transforms your workspace with comfort and energy savings that last.



KEY FEATURES

- ▶ **Eight aluminum airfoils** with AirFence® system, winglets, and safety restraints
- ▶ **Improved air circulation** and coverage area from our base HVLS models
- ▶ **IP56-rated motor** and helical gearbox for smooth, durable operation
- ▶ **Variable speed operation** with resistive touch controller
- ▶ **Oversized hub system** machine-cut to evenly distribute load
- ▶ **Redundant safety features** keep workers cool without worry

DIAMETER

12-24 FEET
(3.7-7.3 METERS)

MOTOR

INDUSTRIAL GRADE
WITH DOUBLE
LIP-SEALED GEARBOX

MOUNTING

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

WARRANTY

UP TO
7 YEARS
MECHANICAL

UP TO
3 YEARS
ELECTRICAL



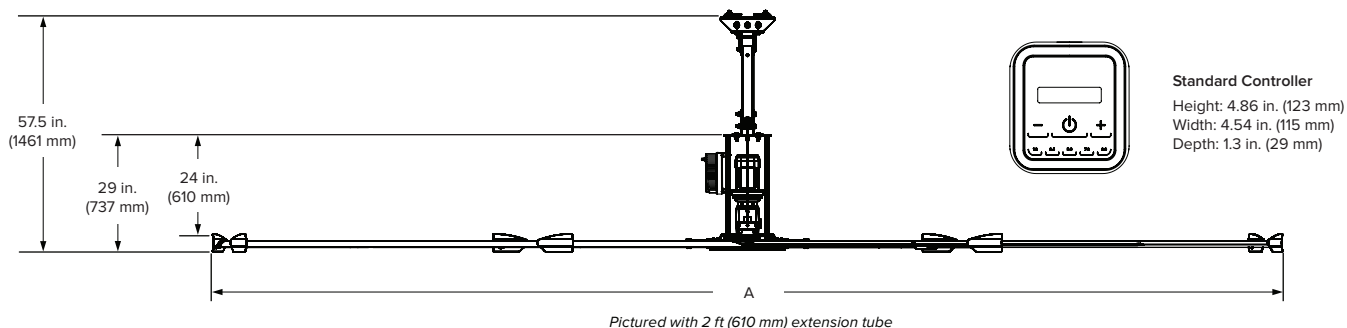
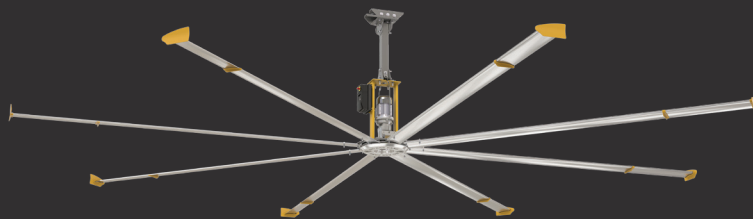
COMFORT WITHOUT
COMPROMISE

DISCOVER MORE ABOUT POWERFOIL 8

Learn more at bigassfans.com/powerfoil-8
or call **877.BIG.FANS** for a free custom quote.

POWERFOIL® 8

A HEAVY-DUTY CEILING FAN WITH INDUSTRIAL-GRADE COMPONENTS



Technical Specifications

Fan	Diameter (A)	Weight ¹	Max Speed	Input Power and Required Breaker	Motor Horsepower	Airfoil Clearances ²	Max Operating Temperature
PF82-12	12 ft (3.7 m)	200 lb (90.7 kg)	200–480 VAC: 119 RPM 575–600 VAC: 117 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	1.5 hp (1.1 kW)	2 ft (0.6 m) on sides 5 ft (1.5 m) below ceiling	104°F (40°C)
PF82-14	14 ft (4.3 m)	209 lb (94.8 kg)	200–480 VAC: 95 RPM 575–600 VAC: 87 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		2 ft (0.6 m) on sides 5 ft (1.5 m) below ceiling	
PF82-16	16 ft (4.9 m)	224 lb (101.6 kg)	81 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	2.0 hp (1.5 kW)	2 ft (0.6 m) on sides 6 ft (1.8 m) below ceiling	
			83 RPM	575–600 VAC, 50/60 Hz, 3 Φ, 10 A		2 ft (0.6 m) on sides 6 ft (1.8 m) below ceiling	
PF82-18	18 ft (5.5 m)	233 lb (105.7 kg)	75 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		2 ft (0.6 m) on sides 7 ft (2.1 m) below ceiling	
PF82-20	20 ft (6.1 m)	242 lb (109.8 kg)	67 RPM			2 ft (0.6 m) on sides 7 ft (2.1 m) below ceiling	
PF82-24	24 ft (7.3 m)	261 lb (118.4 kg)	51 RPM				

Construction Features

Airfoils	Motor and Drive ³	Certifications	Mounting	Multi-Point Safety ⁴	Colors
Eight 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 NEMA 4X VFD eliminates RFI and EMI noise	 	Standard upper mount installs to I-beams and bar joists Extension tubes available in 2, 5, or 10 ft (0.6, 1.5, or 3 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.

Standard Controller

Construction	Controls
Made from durable UV-resistant materials Rated IP55 Intuitive touchscreen interface	On/Off and variable speed control Password protection 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 The VFD is not preinstalled on the fan. Mounting the VFD onboard the fan requires field installation.

⁴ 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.

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