

Powerfoil 8

Technical Specifications



Powerfoil®8 is a heavy-duty ceiling fan designed to provide exceptional comfort and year-round energy savings.

ANYTHING BUT AVERAGE

- **Airfoils** — Eight patented aluminum airfoils (mill finish) with patent-pending AirFences.
- **Winglets** — Powerfoil winglets eliminate wind noise (safety yellow).
- **Motor and Gearbox** — Industrial-grade motor and gearbox feature inline helical-cut gears for efficient, durable, and reliable operation; lubricated for life with synthetic oil.
- **Hub System** — Machine-cut precision components for uniform load distribution.
- **Controller** — Onboard NEMA 4X VFD eliminates RFI and EMI noise; wall-mounted keypad allows floor level control of all fan functions.
- **Mounting Options** — Standard upper mount installs to I-beams and angle iron; optional kits allow for mounting to solid beams and Z-purlins.
- **Safety Features** — Airfoil retainers, hub retainer clips, safety cables, Grade 8 bolts, fire relay (must be wired if required by local code).
- **Colors** — Standard colors are silver and yellow. Want something different? You can individualize your fan with one of our 11 classic color upgrades, or work with our design consultants to create a shade that's all your own.
- **Accessories** — SmartSense automatically adjusts fan speed. See the SmartSense spec sheet for details.



Onboard VFD



Aerodynamic Winglet Design

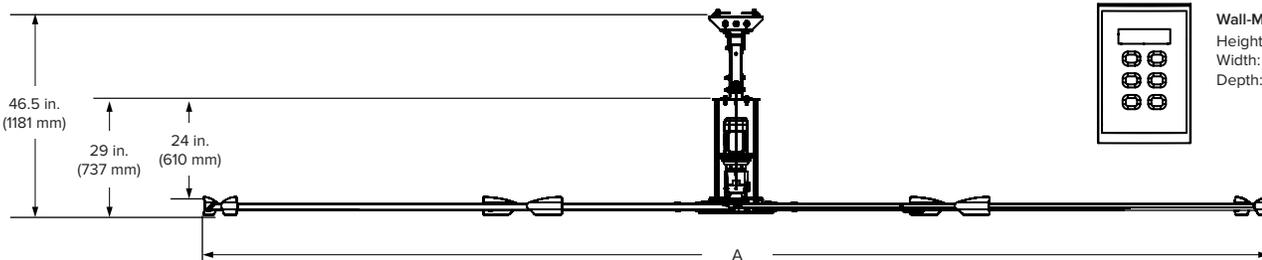
Technical Specifications

Fan	Diameter (A)	Weight ¹	Max Speed	Airfoil Clearances ²	Input Power and Required Breaker	Motor Horsepower	Sound at Max Speed ³
PF8-08	8 ft (2.4 m)	135 lb (61 kg)	191 RPM	2 ft (0.6 m) on sides 4 ft (1.2 m) below ceiling	100–125 VAC, 50/60 Hz, 1 Φ, 15 A 200–240 VAC, 50/60 Hz, 1 Φ, 15 A 200–240 VAC, 50/60 Hz, 3 Φ, 10 A 400–480 VAC, 50/60 Hz, 3 Φ, 10 A 575–600 VAC, 50/60 Hz, 3 Φ, 10 A	1.0 hp (0.75 kW)	< 55 dBA
PF8-10	10 ft (3 m)	150 lb (68 kg)	148 RPM	2 ft (0.6 m) on sides 5 ft (1.5 m) below ceiling	200–240 VAC, 50/60 Hz, 1 Φ, 25 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)	
PF8-12	12 ft (3.6 m)	200 lb (91 kg)	135 RPM	2 ft (0.6 m) on sides 6 ft (1.8 m) below ceiling		2.0 hp (1.5 kW)	
PF8-14	14 ft (4.3 m)	209 lb (95 kg)	109 RPM	2 ft (0.6 m) on sides 7 ft (2.1 m) below ceiling			
PF8-16	16 ft (4.9 m)	224 lb (102 kg)	98 RPM				
PF8-18	18 ft (5.5 m)	233 lb (106 kg)	86 RPM				
PF8-20	20 ft (6.1 m)	242 lb (110 kg)	76 RPM				
PF8-24	24 ft (7.3 m)	261 lb (118 kg)	60 RPM				

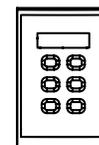
¹Weight does not include mount or extension tube.

²Measure the distance from the tip of the winglet to the ceiling or major obstruction.

³Fans are sound tested at maximum speed in a laboratory environment. Actual results in field conditions may vary due to sound reflecting surfaces and environmental conditions.



Pictured with 1 ft (305 mm) extension tube



Wall-Mounted Keypad
Height: 3.4 in. (86.4 mm)
Width: 2.2 in. (55.9 mm)
Depth: 0.72 in. (18.3 mm)



Certified to UL 507 and CSA C22.2

Lead times may vary.
See full warranty for coverage information.
Specifications subject to change without notice.



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Powerfoil 8 Plus

Technical Specifications



Powerfoil®8 Plus is a heavy-duty ceiling fan designed to provide exceptional comfort and year-round energy savings.

ANYTHING BUT AVERAGE

- **Airfoils** — Eight patented Powerfoil hybrid airfoils (mill finish) with patent-pending AirFences.
- **Winglets** — PowerfoilPlus winglets eliminate wind noise (safety yellow).
- **Motor and Gearbox** — Industrial-grade motor and gearbox feature inline helical-cut gears for efficient, durable, and reliable operation; lubricated for life with synthetic oil.
- **Hub System** — Machine-cut precision components for uniform load distribution.
- **Controller** — Onboard NEMA 4X VFD eliminates RFI and EMI noise; wall-mounted keypad allows floor level control of all fan functions.
- **Mounting Options** — Standard upper mount installs to I-beams and angle iron; optional kits allow for mounting to solid beams and Z-purlins.
- **Safety Features** — Airfoil retainers, hub retainer clips, safety cables, Grade 8 bolts, fire relay (must be wired when required by local code).
- **Colors** — Standard colors for Powerfoil 8Plus are silver and yellow. Want something different? You can individualize your fan with one of our 11 classic color upgrades, or work with our design consultants to create a shade that's all your own.
- **Accessories** — The SmartSense controller automatically adjusts fan speed. See the SmartSense spec sheet for details.



Onboard VFD



Powerfoil Plus Winglet

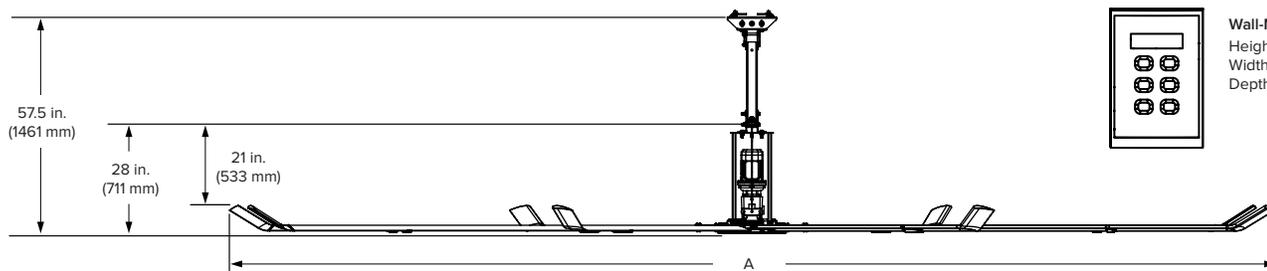
Technical Specifications

Fan	Diameter (A)	Weight ¹	Max speed	Airfoil clearances ²	Input power and required breaker	Motor horsepower	Sound at max speed ³
PP8-10	12 ft (3.7 m)	194 lb (88 kg)	135 RPM	2 ft (0.6 m) on sides 4 ft (1.2 m) below ceiling	200–240 VAC, 50/60 Hz, 1 Φ, 25 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)	< 55 dBA
PP8-12	14 ft (4.3 m)	204 lb (93 kg)	109 RPM	2 ft (0.6 m) on sides	200–240 VAC, 50/60 Hz, 1 Φ, 25 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	2.0 hp (1.5 kW)	
PP8-14	16 ft (4.9 m)	219 lb (99 kg)	98 RPM	5 ft (1.5 m) below ceiling			
PP8-16	18 ft (5.5 m)	228 lb (103 kg)	86 RPM	2 ft (0.6 m) on sides			
PP8-18	20 ft (6.1 m)	237 lb (108 kg)	76 RPM	6 ft (1.8 m) below ceiling			
PP8-20	22 ft (6.7 m)	247 lb (112 kg)	68 RPM	2 ft (0.6 m) on sides			
PP8-24	24 ft (7.3 m)	256 lb (116 kg)	60 RPM	7 ft (2.1 m) below ceiling			

¹Weight does not include mount or extension tube.

²Measure the distance from the tip of the winglet to the ceiling or major obstruction.

³Fans are sound tested at maximum speed in a laboratory environment. Actual results in field conditions may vary due to sound reflecting surfaces and environmental conditions.



Wall-Mounted Keypad
Height: 3.4 in. (86.4 mm)
Width: 2.2 in. (55.9 mm)
Depth: 0.72 in. (18.3 mm)

Pictured with 2 ft (610 mm) extension tube



Certified to UL 507 and CSA C22.2

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