

PERFORMANCE LITE PS-8

8-Blade HVLS Ceiling Fan

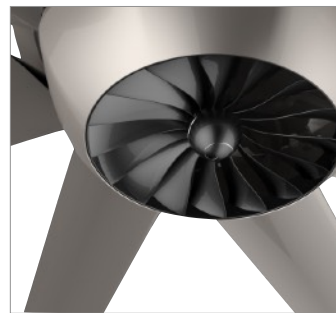


KEY FEATURES

- Proprietary aluminum airfoils and curved wingtips designed for maximum airflow with minimal power consumption
- High-efficiency, high-torque, maintenance-free permanent magnet synchronous motor (PMSM)
- Near-silent operation at <41 dBA*
- Rugged yet sleek and refined construction for reliability and style
- In-house engineering and vertically integrated manufactured components
- Promotes IEQ (indoor environmental quality) per ASHRAE 55



* Under laboratory conditions



Diameter: 8' - 14' (custom available)

■ Proprietary Airfoils

Inspired by Swifter's innovations in industrial and equipment fan technology, the Performance Lite's eight marine-grade anodized aluminum blades deliver industry-leading CFM/Watt efficiency.

■ Premium Direct Drive Motor

The IP55-rated permanent magnet synchronous motor (PMSM) reduces maintenance needs and ensures lasting reliability, eliminating issues typically associated with gearbox motors.

■ Flexible Mounting Options

Includes standard mounting hardware for multiple configurations such as I-beams, solid beams, angle iron, pitched roofs, and square tubes, with optional kits for purlins and other structures.

■ Variable-Speed Controller

Featuring a ground-level variable frequency drive for ease of access and optional reverse rotation capability suitable for winter destratification.

■ Building Communication

Command and monitor with optional building integration through BACnet, LonMark, or MODBUS protocols. Additional demand control based on differences in temperature and humidity readings.

■ Redundant Safety Features

Featuring airfoil blade retainers, steel guy cables, and optional fire relay integration with an emergency shut-off switch.

■ Limited Warranty

5-year warranty on all parts, including the motor.

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TECHNICAL SPECIFICATIONS

		PS-8-14	PS-8-12	PS-8-10	PS-8-8
Dimensions & Performance	Diameter (D) [custom available]	14 ft	12 ft	10 ft	8 ft
	Airflow (Cubic Feet per Minute)	135,400 CFM	109,260 CFM	86,390 CFM	54,090 CFM
	Max. Affected Area*	6,717 ft ²	4,704 ft ²	3,509 ft ²	2,615 ft ²
	Max. RPM	80	90	100	120
	Weight**	90 lbs (41 kg)	84 lbs (38 kg)	77 lbs (35 kg)	68 lbs (31 kg)
	Downrod Length	39.5 in. standard (custom lengths available)			
	Forward/Reverse Capabilities	Yes (optional)			
	Input Power	200-240 VAC \pm 10%, 50/60Hz, 1 Φ standard (110-120 VAC / 400-480 VAC optional)			
	Sound Level at Max. Speed***	39 dBA	39 dBA	40 dBA	41 dBA
	Safety Features	Airfoil blade retainers and steel guy cables standard. Fire relay integration and emergency shut off switch optional.			
Motor (PMSM)	Motor Rating	1.0 HP			
	Full Load Current at 220 V	2.0 A			
	Full Load Power at 220 V	400 W (0.54 HP)	300 W (0.40 HP)	200 W (0.27 HP)	150 W (0.20 HP)
	Max. Operating Temperature	140°F (60°C)			
	IP Rating	IP55			
	Insulation Class	IEC/NEMA Class F			
	Bearing L10 Life	100,000 hours per ABMA standards			

* Fan plane at 20 feet height from ground level

** Total hanging weight with standard downrod

*** Under laboratory conditions

