

PS-8

HVLS Ceiling Fan

PROJECT

DATE

TYPE

NOTES



- 8 Blade High Volume, Low Speed Ceiling Fan
- Available Diameters: 8', 10', 12' & 14' (Custom Diameters also Available within these Ranges).
- High Efficiency, High Torque BLDC (PMSM) Maintenance-Free Motor
- IP 55 Standard
- IEC/NEMA Class F Insulation
- Noise Levels <40 dBA
- Promotes IEQ (Indoor Environmental Quality) as per ASHRAE 55
- Vertically Integrated Engineered and Manufactured Components



FEATURES

Airfoils — Our proprietary airfoils are engineered for delivering high-performance results with the lowest power consumption.

Blade Construction — Marine grade extruded anodized aluminum.

Installation — The lighter weight class of both the motor and the fan allows for greater ease of installation.

Motor and Gearbox — Features a high efficiency, high torque BLDC (PMSM) maintenance-free motor. The motor is IP55 rated, and Temperature Rise Class F insulated. Bearing L10 life of 100,000 hours as per ABMA standard.

Safety Features — Airfoil retainers, hub clips, steel guy cables, and shielded power cables. Optional BACnet/ MODBUS protocol for BMS and Fire relay Integrated Controllers.

Controller — VFD in a NEMA 4 Enclosure, IP66 Rating, with a maximum operating temperature of 140°F, 200-240 VAC, 400-480 VAC 50/60 Hz, 1Φ / 3Φ. Available with an optional reverse rotation, suitable for winter.

Mounting — Options available for multiple configurations including I-beams, angle Iron, large I-beams, solid beams, z-purlins, pitched roofs, & square tubes.

Efficiency — Highest CFM / Watt in the industry is achieved due to the high efficiency motors and engineered airfoil design.

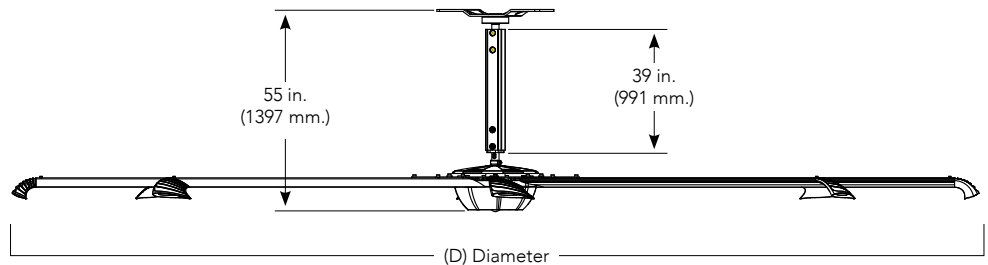
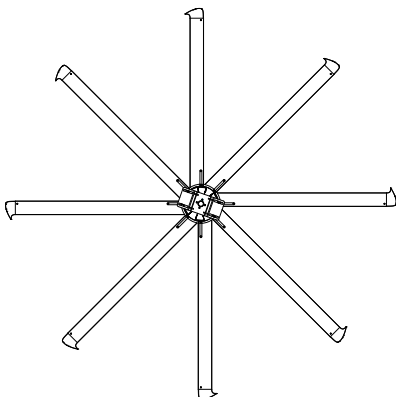
Warranty — 50,000 Hours or 5 Year Warranty on all parts, including the Motor.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	PS8-8	PS8-10	PS8-12	PS8-14
Number of Airfoils	8			
Diameter	8 ft (2.4 m)	10 ft (3 m)	12 ft (3.7 m)	14 ft (4.3 m)
Max Affected Area	2,615.00 ft ²	3,509.00 ft ²	4,704.00 ft ²	6,717.00 ft ²
Airflow	54,090 cfm	86,390 cfm	109,260 cfm	135,400 cfm
Max Speed	120 RPM	100 RPM	90 RPM	80 RPM
Max Power at Max Speed	0.20 HP	0.27 HP	0.40 HP	0.54 HP
Max Thrust at Max Speed	40 N	70 N	90 N	125 N
Sound Level at Max Speed	41 dBA	40 dBA	39 dBA	39 dBA
Fan Weight	175 lbs.	186 lbs.	197 lbs.	209 lbs.
Motor Torque Rating	50 Nm			
Motor Power Rating	1.0HP			
Motor IP Rating	IP55			
Motor Insulation Class	IEC Class F, Temperature Rise			
Bearing Life ABMA	L10 Life of 100,000 Hrs.			
Motor Type	PMSM (BLDC), Direct Drive			
Motor Input	200-220V, 400-480V (optional)			
Input Power Options	1Φ or 3Φ (200 - 480) VAC ±10%, 50 / 60 Hz			
Controller IP Rating & NEMA Class	IP66 / NEMA Class 4			
Mounting Hardware	Steel			
Standard Down Rod Length*	39"			
Operating Temperatures	140° F			

* Custom options are available.

PRODUCT DIMENSIONS



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