

PS-8

HVLS Ceiling Fan

PROJECT
NOTES

DATE

TYPE



- 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
- Sound Level at Max Speed <40 dBA*
- Promotes IEQ (Indoor Environmental Quality) as per ASHRAE 55
- Vertically Integrated Engineered and Manufactured Components

* Under Laboratory Conditions



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 — 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.

Standard Safety Features — Airfoil Blade retainers and steel guy cables.

Optional Safety Features — Fire relay Integration and Emergency Shut off Switch



Controller — VFD with a maximum operating temperature of 140°F, 200-240 VAC 1Φ Standard and 400-480 VAC 3Φ optional. 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 Years Warranty on all parts, including the Motor.

Building Communication — BACnet, LonMark & MODBUS protocol, Fire Relay Integration, and Temperature/Humidity Sensors

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 (243 m ²)	3,509 ft ² (325 m ²)	4,704 ft ² (437 m ²)	6,717 ft ² (624 m ²)
Airflow	160,682 cfm (4550 cmm)	195,290 (5530 cmm)	231,664 cfm (6560 cmm)	266,626 cfm (7550 cmm)
Max Speed	120 RPM	100 RPM	90 RPM	72 RPM
Full Load Current ⁺⁺	0.90 A	1.3 A	1.5 A	1.8 A
Standard Down Rod Length [*]	39.5" (1000 MM)			
Sound Level at Max Speed ^{**}	41 dBA	40 dBA	39 dBA	39 dBA
Fan Weight ^{***}	175 lbs. (80 Kg)	186 lbs. (84 Kg)	197 lbs. (89 Kg)	209 lbs. (95 Kg)
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			
Power Input	200-220 VAC ±10%, 1Φ, 50/60Hz Standard			
	200-480 VAC ±10%, 3Φ, 50/60Hz Optional			
Mounting Hardware	Steel			
Max Operating Temperatures	140° F (60° C)			

⁺ Fan Plane at 20 Feet Height from Ground Level

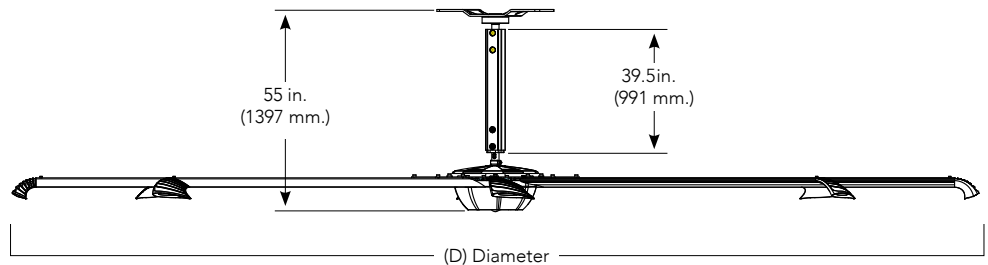
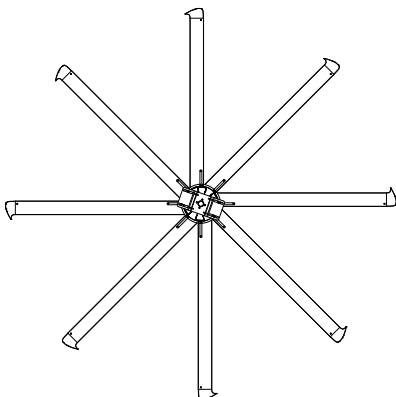
⁺⁺ At Standard Voltage

^{*} Custom Lengths Available

^{**} Under Laboratory Conditions

^{***} Total Hanging Weight with Standard Downrod

PRODUCT DIMENSIONS



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