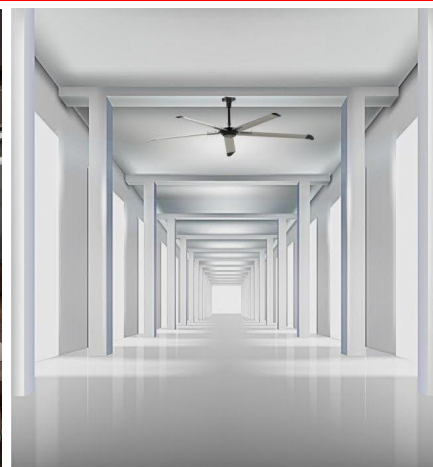
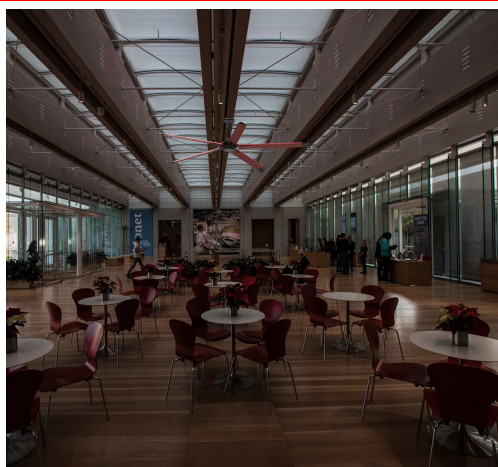
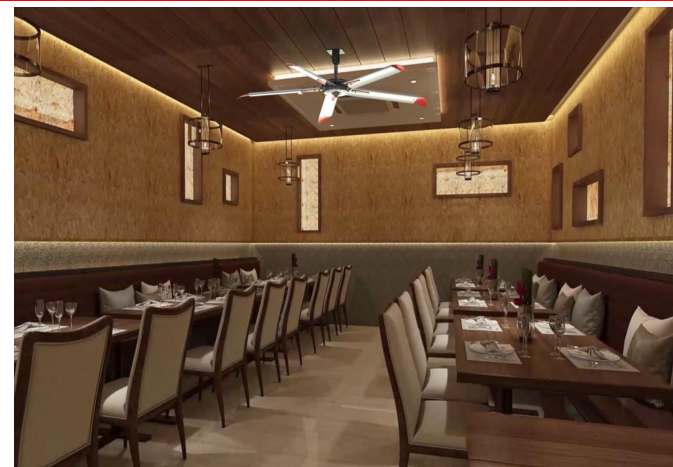




# HX HVLS Fans

When Silence is Golden and Less is More.



## Introducing HX Fans

- Based on revolutionary 3-Phase PMSM technology;
- Extraordinarily economical;
- Enhanced aesthetics for commercial spaces, indoors or out.
- With a revolutionary 3-phase, gearless direct-drive motor that provides quiet, comforting air movement;
- Ideal for any space from lobbies, pavilions and music venues to seaside dining and open-air theaters.

## Key Features

- ➔ Ranging from 6 ft to 14 ft (1.8 m to 4.3 m) in diameter;
- ➔ Direct Drive PMSM Motor;
- ➔ Sound level <35 dB;
- ➔ Maintenance Free;
- ➔ UL 507 (ETL Certified), CE certified, ISO Certified;
- ➔ Standard 10-year mechanical warranty; 5-year electrical.

## Ideal areas for HX Fans:

- ➔ Non profitable organization halls;
- ➔ Retail shops, Event centers, Restaurant, Bars;
- ➔ Areas with low ceilings;
- ➔ Gyms, Commercial Spaces;

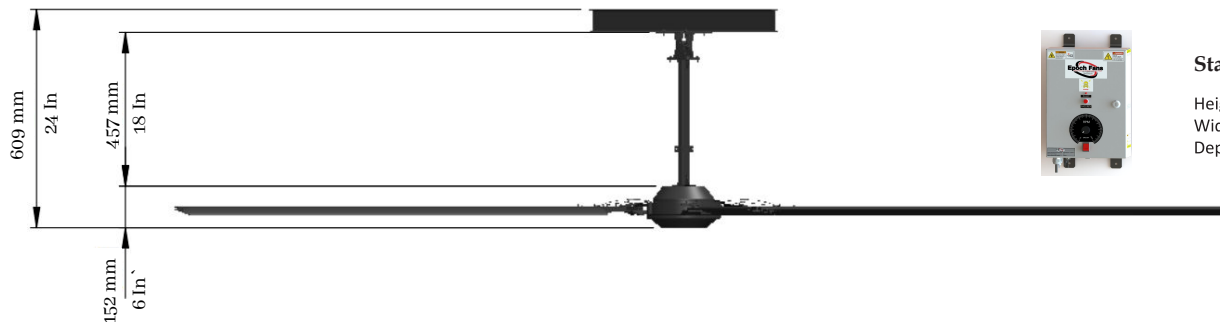


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# HX HVLS Fans

Powerful PMSM Motor, Lowest Sound,  
Best-in-Class Airflow, Maintenance Free.




### Standard Controller

Height: 15.75 in. (400 mm)  
Width: 07.28 in. (185 mm)  
Depth: 04.37 in. (111 mm)

### Technical Specifications

Diameter (A)	Weight	Max Speed	Input Power and Required Breaker	Motor Horsepower	Airfoil Clearances	Max Operating Temperature
06 ft (1.8 m)	50 lb (22.7 kg)	200 RPM	200–240 VAC, 50/60 Hz, 1 $\Phi$ , 2.5 A	0.5 hp (0.4 kW)	2 ft (0.6 m) on sides 2 ft (0.6 m) below ceiling	176°F (80°C)
08 ft (2.4 m)	54.5 lb (24.7 kg)	165 RPM				
10 ft (3.0 m)	59 lb (26.8 kg)	110 RPM				
12 ft (3.6 m)	63 lb (28.6 kg)	80 RPM				
14 ft (4.3 m)	65 lb (29.5 kg)	60 RPM				

### Construction Features

Motor and Drive	Airfoils	Certifications	Mounting	Multi-Point Safety	Colors
Fully innovated PMSM Motor with zero sound and maintenance; durable, and reliable operation; Gearless Direct Drive Motor; Above 95% Efficiency;	Five Aerodynamic Blades made up with Aluminum 6061 T6 material;	 UL Standard 507 (ETL Certified); CE Certified; ISO Certified.	Standard upper mount installs to I-beams and bar joists Optional kits allow for mounting to solid beams and purlins	Safety Guy wire for motor and each blade; Designed for UL 507 Safety System for Fans; Fan Mechanical Safety System incorporates Automotive Grade Hub and Guy Wires.	Standard colors are silver and Black.

### Standard Controller

Construction	Controls
Manufactured with high quality raw material along with aerodynamic blades.	On/Off and variable speed control, Forward/ Reverse button.

### Standard Controller



# HX HVLS Fans

Powerful PMSM Motor, Lowest Sound,  
Best-in-Class Airflow, Maintenance Free.



Technical Specifications					
Category	Fan HVLS COMMERCIAL Super Efficient Gearless PMSM: less than 400W Power Rating				
Motor Type	5- Phase Permanent Magnet Synchronous Motor, Gearless, Brushless				
Motor Insulation Class	Class H				
Sweep Size	6 Ft	8 Ft	10 Ft	12 FT	14 Ft
Length of Down Rod(Without Shackle)	2 Ft				
No. of Blades	5				
Blade Profile	Airfoil Design				
Blade Material	Anodized/ 6061- T6 Aluminum				
Blade Struts	Clear Zinc/ High Tensile Steel				
Blade Width	123.7 mm				
Blade Thickness	1.65 mm				
Blade End Winglets	Aluminum				
Max Coverage Radius in Feet	22	26	30	33	36
Minimum Space from wall in feet	12	12	12	12	12
Technology	5-Phase, Permanent Magnet Synchronous Motor (PMSM)				
Max Speed RPM	200	165	120	80	60
Power Consumption at Max RPM	<0.4 KW				
KVA Draw at Max RPM	<0.5 KVA				
Input Current (A)	< 4.8 A Peak to Peak or 1.7A RMS;				
Torque	> 40 Nm				
Standard Power	180-240 VAC single (1) phase 50 or 60 Hz;				
Power Factor at Max RPM	0.5				
Max Coverage	1,500 sq.ft. (139 sq.m)	2,200 sq.ft. (204 sq.m)	2,800 sq.ft. (260 sq.m)	3,500 sq.ft. (325 sq.m)	4,000 sq.ft. (372 sq.m)
Air Flow (Cubic ft/ Min)	200000	220000	245000	265000	290000
Approx. Fan Weight (Kgs./lbs.)	22.7/50	24.7/54.5	26.8/59	28.6/63	29.5/65
Sound	<50dB				
Height from Floor to Fan	> 10 ft				
Operating units Available options	Connection- Wired				
Safety	Safety Guy wire for motor and for each blade				
	Design for UL507 Safety System for Fans				
	Designed for UL1004 Safety System for Motors				
	Designed for UL60730-2-9 and UL508C Safety System for Drives.				
Certifications	Fan Mechanical Safety System incorporates Automotive Grade Hub and Guy Wires.				
	All fans should meet the applicable requirements of EU Council Directive 2014/35/EU and the European Standards EN60335-1:2012 & EN60335-2-80: 2003/A2:2009 Sound Certificate by NABL accredited lab.				

