

INDUSTRIAL HVLS FAN

Ferco's high-performance HVLS Fans are engineered to optimize airflow in large areas such as warehouses, factories, and commercial areas. Our HVLS fans enhance air quality, cool efficiently, save energy, and are safe to install and operate. They're also easy to control and provide a long-lasting solution for a healthier and more comfortable work environment. With HVLS fans, you'll experience unparalleled air circulation and cooling efficiency that enhances the comfort and productivity of occupants.

- High air volume
- Light weight motor and high performance
- Eco-friendly & moisture-proof
- Ultimate comfort and Energy savings.
- Nature Air Cooling & Ventilation
- Extensive coverage for large areas
- Easy Installation
- Low Noise



Distributed across
20 countries



2 Years
Warranty



Low
Maintenance



CE
Certified



24/7
Customer Support



Industrial HVLS Fan (Outer Rotor PMSM)



Parameters

| Sizes (Ft) | Blades (Pcs) | Weight (Kgs) | Voltage (V) | Current (A) | Power (kW) | Max.Speed (Rpm) | Max.Air Volume (Cfm) | Coverage (Sq.ft) |
|------------|--------------|--------------|-------------|-------------|------------|-----------------|----------------------|------------------|
| 24 | 5 | 100 | 415 | 2.6/4.5 | 1.2 | 55 | 528000 | 16150 |
| 20 | 5 | 95 | 415 | 2.2/3.8 | 1 | 60 | 423775 | 13000 |

14950

Max.air volume (m³/min)

55

Max.speed (RPM)

1.2

Rate power (KW)

20%+

Annual electricity savings

Parameters

| Sizes (Ft) | Blades (Pcs) | Weight (Kgs) | Voltage (V) | Current (A) | Power (kW) | Max.Speed (Rpm) | Max.Air Volume (Cfm) | Coverage (Sq.ft) |
|------------|--------------|--------------|-------------|-------------|------------|-----------------|----------------------|------------------|
| 16 | 5 | 75 | 230 | 2 | 0.6 | 75 | 346100 | 9700 |
| 12 | 5 | 55 | 230 | 1.5 | 0.35 | 100 | 283500 | 7750 |

9800

Max.air volume (m³/min)

75

Max.speed (RPM)

0.2

Rate power (KW)

20%+

Annual electricity savings

Outer Rotor PMSM (Permanent Magnet Synchronous Motor)



Compact Size

The overall structure is made into a flat structure, which is smaller in size and 60% lower than the height of traditional motors. The height of the outer rotor main unit is only 0.12 meters, making it easy to apply in various small spaces.



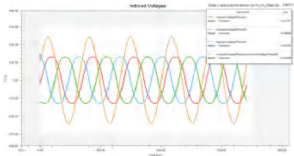
More Reliable

Independent wheel hub mounting method, safe and reliable. The high retentivity magnetic steel and card slot fixing design prevent the magnets from demagnetizing or falling off; the fan blade connection end is supported by double bearings, ensuring smoother operation, low vibration, and long life.



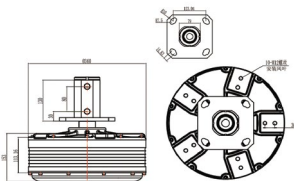
More Energy Efficient

Super performance and efficiency, motor efficiency is as high as 84%. It reaches the national first-level energy efficiency standard and saves more than 20% of electricity compared with the asynchronous motor + reduction gearbox industrial ceiling fan of the same specification.



Low Noise

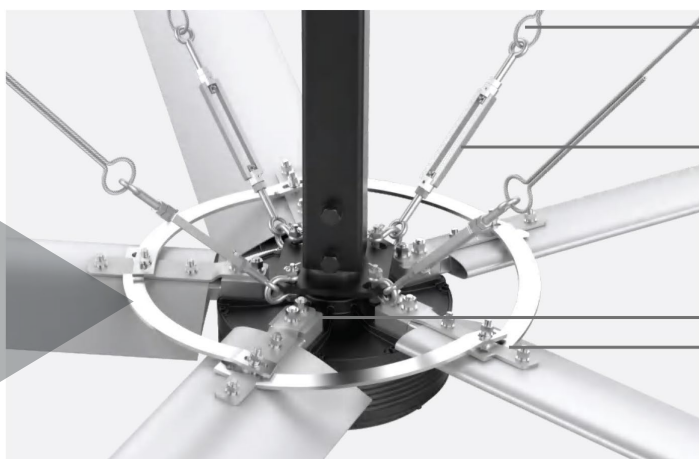
Noise levels are lower. By using the optimal number of slot poles and unequal air gaps, the sinusoidal air gap waveform and cogging torque are optimized to reduce the motor noise index to below 40dB.



Maintenance Free

The permanent magnet direct drive motor has no reduction mechanism and does not need to change the lubricating oil regularly. In addition, the motor has low vibration and low temperature rise design, making the motor truly maintenance-free.

6 Major Safety Components



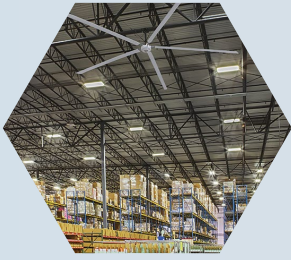
Wire rope traction system

Spiral buckle+ bow shackle

Connector of fan blade

Annular plate+ auxiliary blade supporter

Applications



Manufacturing
Facilities



Shopping
Malls



Educational
Institutions



Automotive
Service Centers



Sports Arena



Restaurants



Warehouses



Airports

AND MORE...

Exhibition Halls
Aircraft Hangars
Discotheques
Agriculture/Dairy

Hotel Foyers
Places of Worships
Wineries
MRT stations

Bus Interchanges
Multipurpose Halls
Pet Care Centers
Large Tents

Gymnasiums
Distribution Centers
Community Centers
Military Facilities

Temporary Shelters
Defence Shelters
Athletic Stadiums
Country Clubs

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