series 10 Powerful HVLS Fan
Storm But Uniform airflow

Different from most large industrial ceiling fans on the market that rely on rapid turning speeds to generate unsteady and uneven airflows, Powerful HVLS Fan series 10 large industrial ceiling fans wield outstanding motor control to generate even and gentle winds. In addition, the unique expanded air flow design of the series 10 allows for even better internal and external air circulation in large areas.

BLDC Motor

More than 90% of motor efficiency, gearless direct drive motor , no need for regular lubrication maintenance.

Energy Saving

Series 10 is achieve carbon neutrality by saving more than 92,747 trees.
(Compare with 7.3M HVLS fans)

Air Smoothly

By implementing aerodynamic diversion designs, the generated airflow is gentle and does not include flow-breaks. Even large spaces can be cooled down through comfortable wind.

Safety First

Sunon applied one-pieced shaping hanging base to prevent those potential risks about cracked, rusty, or loosen parts.

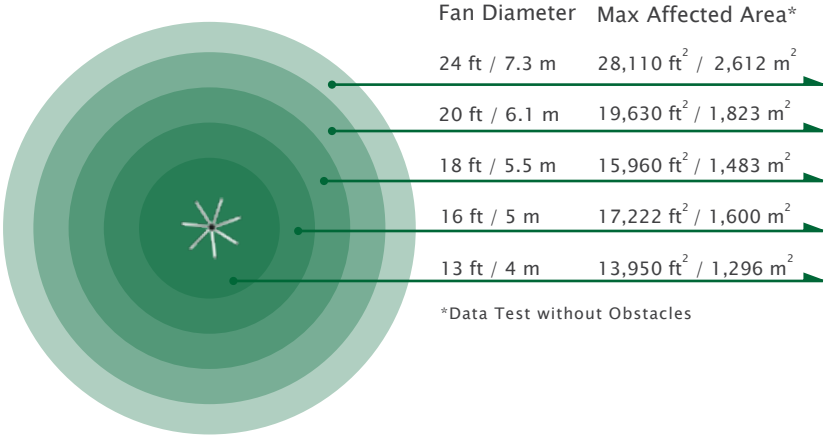
▶ Specification

Diameter	13 ft (4m)	16 ft (5m)	18 ft (5.5m)	20 ft (6.1m)	24 ft (7.3m)
Weight*	90.01 kg	99.36 kg	104.03 kg	110.16 kg	120.86 kg
Speed	115 RPM	90 RPM	65 RPM	60 RPM	50 RPM
Power Consumption	825 W	1,100 W	585 W	765 W	1,050 W
Max Airflow	166,536 CFM 282,744 m^3/h	224,824 CFM 381,704 m^3/h	192,441 CFM 326,725 m^3/h	234,859 CFM 398,742 m^3/h	338,127 CFM 574,069 m^3/h
Noise	<50 dB(A)	<50 dB(A)	<46 dB(A)	<46 dB(A)	<46 dB(A)
Power source	220-240 VAC				
Environment*	Indoor / Outdoor				

*Weight - fan unit only, the controller, the mount and the extension tube are not included.
*Environment -This product is not suitable for salt air environments.

※ The above specifications are test from SUNON Lab and the data will be affected by different environmental conditions.
※ Specifications are subject to change without notice. Final spec. please visit SUNON website at www.sunon.com.

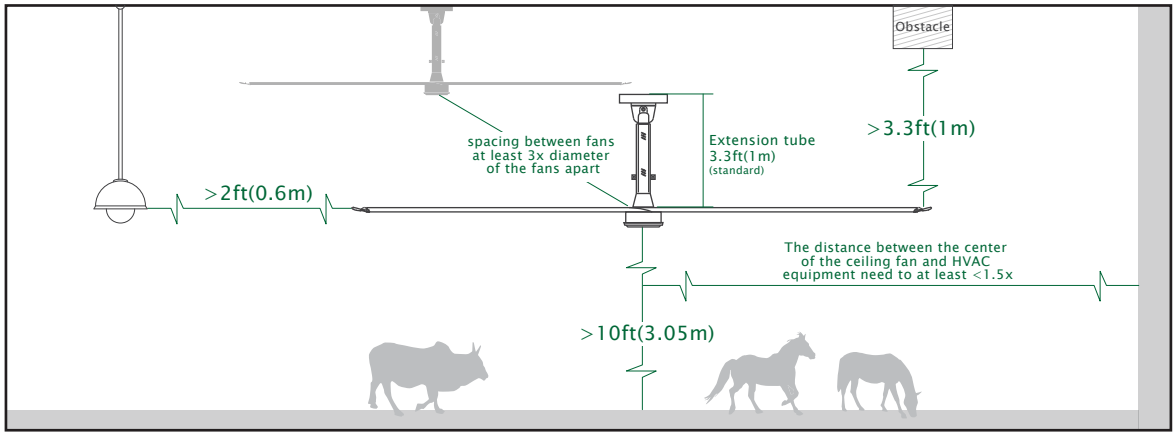
Air Volume



Fan Diameter	Max Affected Area*
24 ft / 7.3 m	28,110 ft^2 / 2,612 m^2
20 ft / 6.1 m	19,630 ft^2 / 1,823 m^2
18 ft / 5.5 m	15,960 ft^2 / 1,483 m^2
16 ft / 5 m	17,222 ft^2 / 1,600 m^2
13 ft / 4 m	13,950 ft^2 / 1,296 m^2

*Data Test without Obstacles

The Placement & Clearance between Fan and Obstructions



Facility Type

factory, ranch, greenhouse, hangar, gymnasium, warehouse, hypermarket, supermarket, exhibition hall

SUNON®

100% R&D and Manufacturing by SUNON

With 40 years of experience in BLDC motor technology and manufacturing capability, SUNON's HVLS fan solution mastered the core technology of motor and the optimal characteristics of the airfoil. The product is 100% under SUNON controlled from design to manufacture, eliminating the problems of buying motors, airfoil, drive and parts separately from the market and then reassemble. Achieving a performance no other HVLS fans achieved.

Successful story

Modern HVLS Fan – Mumbai, India

Located in the tropics, Mumbai is hot and humid. Using Modern HVLS Fan can dissipate the heat and humidity, as well as generate indoor circulation, providing a natural and comfortable cooling.

▶ More application fields

Powerful HVLS Fan series 1 – Tainan, Taiwan

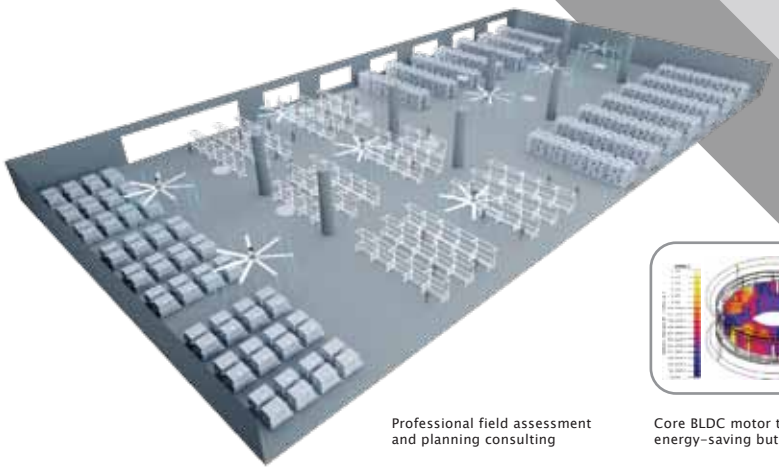
This 24-hour running factory needs precise control of their cost and capacity. The series 1 delivers the lowest cost but provides the maximum ventilation, optimizing the space between people and equipment in this working environment, and maintaining high productivity(1kWh can be used continuously for 12 hours).

Powerful HVLS Fan series 3 – Kaohsiung, Taiwan

Taiwan lies in the subtropics. A hot environment reduces milk production and milk quality. The highly-diffused airflow of series 3 ceiling fans accelerate air circulation both inside and outside the farmhouse, keeping the cows' enclosure dry and reducing the chances of cows getting sick. The quiet BLDC motor lowers the overall temperature and is quiet enough so as to not disturb the cows, thereby improving milk production and milk quality.

Powerful HVLS Fan series 1 – Okinawa, Japan

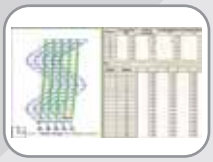
This island resort has created a brand-new restaurant with comfortable air conditioning. To make every guest feel cozy and relaxed during their mealtime. The high-ceilinged roof is equipped with the series 1. Not only balance the room temperature and reach the better ventilation, it also makes every guest to dine in with the island breeze.



Professional field assessment
and planning consulting

Core BLDC motor technology
energy-saving but powerful

Optimized aerodynamic
massive air flow

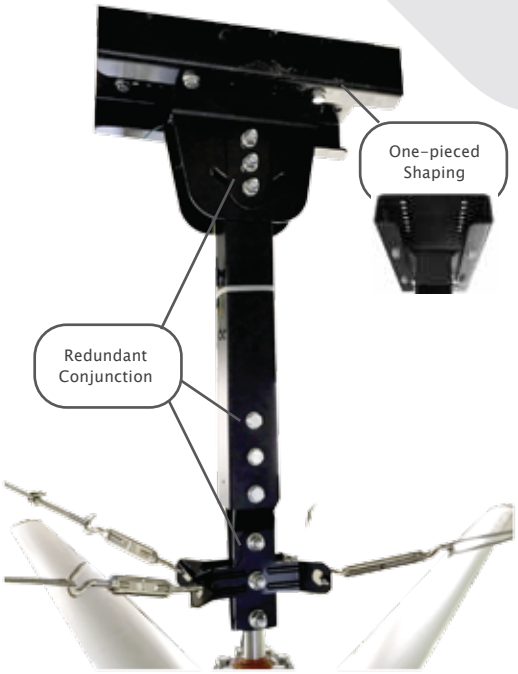


Suspension Structural Analysis
Safety comes First!

Safety First

- **One-pieced Shaping Yoke**
  Auto-stop when detect motor heat, voltage or loading over limitations.
- **Redundant Conjunction**
  The mout tube adopts three sets of upper and lower screws to ensure a firm shockproof, low sloshing, and crosswind resistance of the whole structure.
- **Double Suspensions**
  Main safety cable wrapping around the I-beam and four-directed guy wire to strengthen stability and construction safety of the ceiling fan.
- **Fatigue testing**
  The airfoil bolt kit has passed million-times of fatigue tests- SUNON Powerful HVLS Fan utilizes reinforced airfoil. The equipped airfoil frame passed millions of high-strength back and forth bending fatigue tests to avoid the risk of airfoil frame breaking or fan airfoil falling due to long-term use.

(*Only for powerful HVLS Fan series 3 , series10)



Powerful HVLS Fan series 10
-Changhua, Taiwan

It is very difficult for a dairy cattle in a temperate climate adapt to the tropical environment, however, series 10 can change the situation by offering a stable and soft wind to create a better indoor and outdoor circulation, so that dairy cattle can feel comfortable and enhance its milk quantity.

6 Process Steps for Quality Assurance

- Motor stator assembly check
- Motor rotor assembly check
- Motor shaft assembly check
- Motor drive compatibility check
- Airfoil balancing check
- Finished goods package with QR Code record

Automated production toboost productivity and yield.

Data management with our QR Code system in each process step to ensure quality and traceability for every single product.