

AUSTAR **WAVE**
master piece of engineering



HVLS

2019

www.shreesharaelectric.com

why we are the best

Drive System

- BONFIGLIOLI Motor & gear box with lengthened large diameter connecting shaft.
- Motor equipped with double fluorine rubber oil seal to ensure reliability of drive system.
- Fan equipped with start up delay function which can reduce the Strain on the motor and Extend life.



Chasis

- The integrated chasis system is made using high precision cutting technology.
- The high precision cutting ensures the consistency of chasis, and stability of each fan.

Fan blade

- Designed using advanced fluid simulation software CFD and wind tunnel testing.
- High quality aluminum magnesium alloy blade with a life span of more than 20 years.
- Tough, Corrosion Resistant and easy to clean because of the anti-oxidant treatment.



Control System

- Danfoss VFD, frequency converter with the functions of over current, under voltage, phase lack, overload and overheat protection.
- Control panel manufactured with the best quality components.
- Frequency convertor with protection Against voltage fluctuations, power fluctuations and heating protection.

Safety features

- Secure chain connection to prevent fan leaf damage.
- Unique Auto Stop function.
- Our patented HUB reduces axial forces on the gear box, reduces friction between gears, reduces oil spill. Thus extending the LIFE of the gear box.
- Double outer bearing bears the blade weight, protects the gear box and improves motor use. Anti falling security baffle prevents accidental falling.
- Danfoss vector inverter controller, capable of bearing high carrier frequency to reduce motor zing, improve the control pulse signal quality & built in filter to reduce interference.
- Fan is fastened using 8 mm steel wire ropes for stability & safety
- 5 Years Replacement Warranty



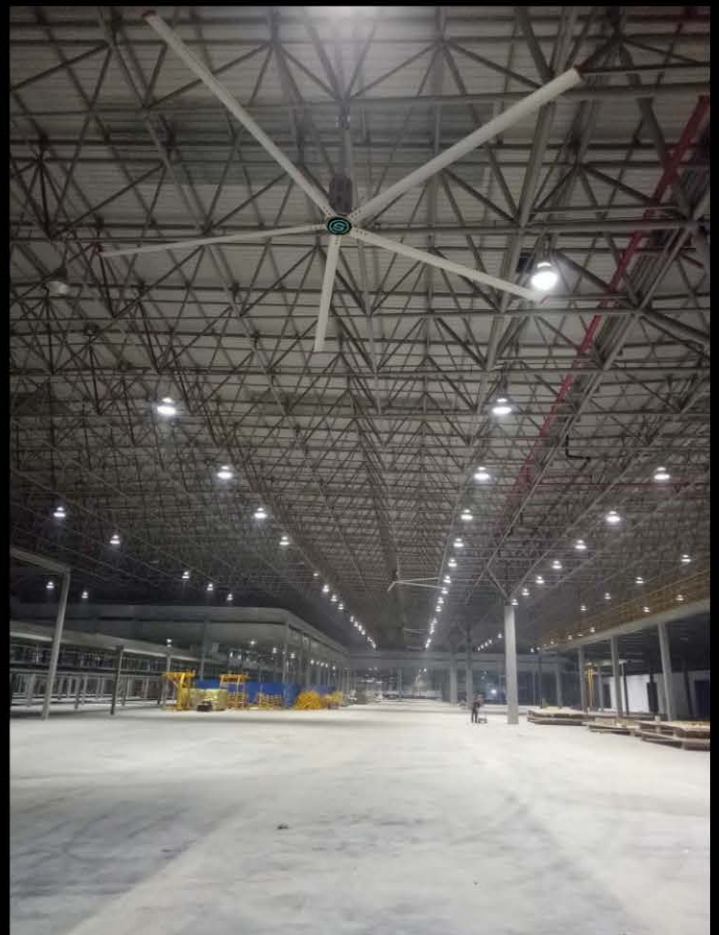
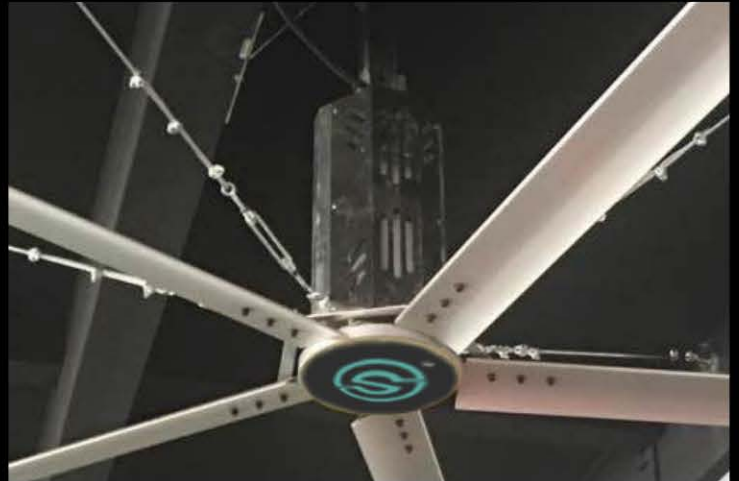
Technical Specifications

Model	EA 7	EA 6	EA 5	EA 4
Fan Diameter (mm)	7200	3200	5200	4200
Blade Numbers	5	5	5	5
Load (KW)	1.5/1.1	1.5/1.1	1.5/1.1	1.5/1.1
Supply Voltage	AC/ Three-phase	AC/ Three-phase	AC/ Three-phase	AC/ Three-phase
Rated Voltage (V)	380 V	380 V	380 V	380 V
Rated Frequency (Hz)	50 HZ	50 HZ	50 HZ	50 HZ
Maximum Air Velocity (m/s)	4.5	4	3.5	3
RPM	55	58	62	65
Total Weight (KG)	115	110	105	100
Coverage Aear (m2)	1450	1300	1100	900
Fan Blade Composition	High Intensity Aluminum Magnesium Alloy			



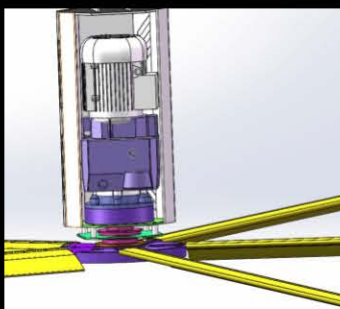
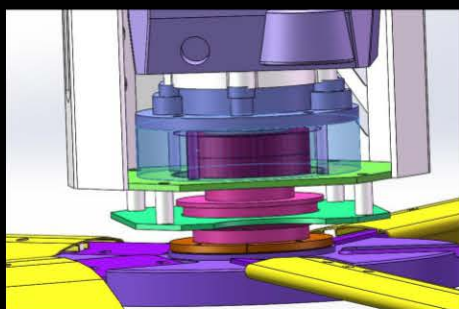
Double outer bearing safety device

- The double outer bearing extends the service life of the motor by extending the guide distance and avoiding the axial force acted on the reduction box, as well as preventing the oil leakage.
- Completely resolves the risk of inertial impact caused by the abrupt power cuts while the fan is rotating



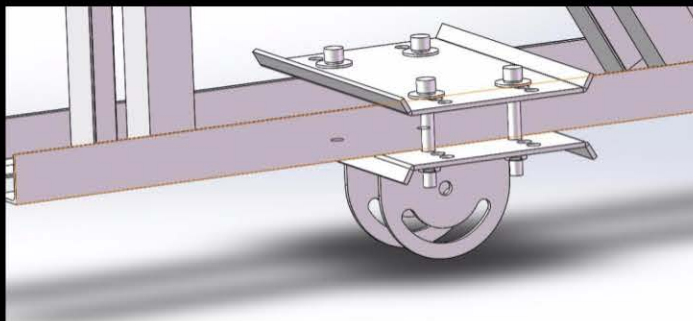
EcoAir HVLS FAN ADVANTAGES

- Anti-falling ring of the transmission system
- Anti-falling ring of the bracket system
- Anti-falling ring of the chassis system
- Outer bearing device
- Fan blade safety chain
- The fan frame is attached to the roof beam by steel wires.
- The big fan chassis is kept in balance to the roof structure by 4 inclined steel wires.



Installation

- On H or I beam structure the fan is fitted using 8mm steel plates.
- On grids our fans are fitted using 8mm thick V clamps with hoop bolts.
- Every fan is given a secondary support with steel wires fitted using self adjusters.



SHREE SHARA
STEELS AND ALLOYS

An ISO 9001 : 2015 Certified Company

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