

PRODUCT SPECIFICATION

TECHNICAL SPECIFICATION	PMSM HVLS FAN		GEARED HVLS FAN	
Model No	ECOPM3600	ECOPM7300		
Fan Diameter (ft)	12 ft.	24 ft.	12 Ft.	24 ft.
Protection rating	IP 54	IP 54		
Blade Material	High Grade Aluminium Alloy 6061 T6		6061T6	
No. Of Blade(Nos)	5	5	6	6
Motor Type	Permanent Magnet Synchronous Motor		3 Ph., 50/60HZ;Protection level:IP55 ; IEC 60034 ; Low maintenance synthetic Long drain lubricating oil, magnetic drain plug, ie 2 motor. Heavy duty cast iron gear box housing with roller bearing.	
Reversible Motor	YES			
Power (kW)	1		1.1K	1.5KW
Power line/Voltage(V)	Single phase-220 V			
Frequency (hZ)	55	38.5		
Speed(RPM)	86	52	86	52
Speed Control Method	Analog Input - Speed Setting through 0-10V		Danfoss	
Air Flow(cfm)	13000	377000	128700	377000
Weight (kg)	88	153	115	150
Noise level	<45dB		45	
Safety Features	1. Antifall Protection for Impeller & Hub Assembly 2.GI wire rope for blade & extension tube 3.GI wire support for motor chassis 4.Protection from over current, over volatge & undervoltage.		Anti Fall Protection For Chassis & Support Structure, Blades , Hub - in - Hub Anti Fall protection for Impeller , Gear box Shaft and Blades assembly. Embedded Safety Wire Ropes for Blade. 3 mm Dia & PVC Coating.	



**ENERGY EFFICIENT,
ENVIRONMENTALLY FRIENDLY & COST
EFFECTIVE COOLING SYSTEMS !**



ABOUT US

Leaders in cooling and ventilation solution since 2011 in the indian sub-continent market. We provide cost-effective air-circulation solutions such as HVLS, Air-circulators fans, evaporative cooler, tube-exial fans and industrial exhaust fans.



iSHARK HVLS FANS ADVANTAGES

SAFETY

- + Extremely High Level of Primary Safety for all components. 40 mm Motor Dia. / M14 Bolts for Structure & Chassis / Nylock Nuts and Loctite for all fasteners / Steel EN 10025 - 90 for Structure & Chassis / GI Wire Ropes with additional PVC Coating/ etc.
- + Secondary Anti – Fall Safety Systems provided for all Major Components
 - a. Structure – Secondary Wire rope to lock to building Structure.
 - b. Blades – Embedded Wire Ropes in Blade
 - c. Hub inhub assembly for anti-fall. etc

PERFORMANCE

- + Aerofoil blade design with blade angle of 27 deg. for optimum air flow rate & thrust.
- + Tapered fan blades for uniform air distribution.
- + High efficiency german motor & gear box for low costs.

COSTS

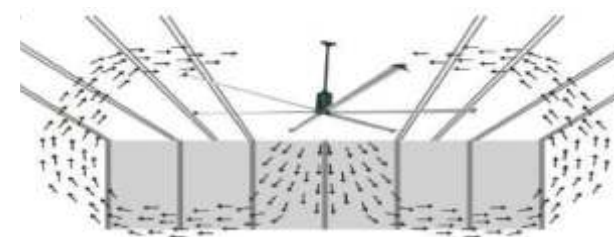
- + Can be linked to integrated building management System (ibms) through vfd.

DURABILITY & RELIABILITY

- + High grade 6061 t6 aluminum alloy used for aerofoil blades.
- + Motor & gearbox with synthetic oil & vfd from danfoss - world leaders in transmission technology.
- + High grade Steel upto 12mm thick with Hot Dip galvanizing for best anti corrosion protection.
- + GI coated wire ropes with PVC coating.

AIR SIMULATION

iSHARK AIR - HVLS FANS CONCEPT AIR FLOW PATTERN



FEATURES & ADVANTAGES

- Brush less motor (Permanent Magnet Synchronous motor) motor can generate their own torque. 30% more torque than conventional motor.
- High-quality aluminium-magnesium alloy blade, with corrosion resistance, high strength, good toughness.
- Quiet, Efficient operation. 3/5 blades aerodynamic blade noise is less than conventional fans.

BEST SUITED FOR APPLICATIONS

- Enhance comfort & sense of beauty of plant.
- Airport, Railway stations
- Exhibition halls, large public space, galleries
- Outdoor sites, poultry farm, warehouse
- Office, coffee shops & restaurants

HVLS FANS BENEFITS

- + High performance industrial fans
- + Single fan replaces multiple wall mounted fan
- + Distributes air up to 15,000 sq.ft., corner to corner, outstanding coverage without draft consuming only 1.5KW power.
- + Running costs reduction of upto 80% and payback in 6 months.
- + Variable speed controller to set and control airflow. reverse operation options.
- + Flexibility on shop floor for line layout and movement.

