



# **EMF PMSM HVLS Fans**

*Extremely Energy Efficient Motors for  
Heavy Duty Continuous Operations*



## About Ecoair

Incorporated in 2011, Ecoair Cooling Systems, is the leading Indian manufacturer of Industrial Evaporative Air Coolers, High-Volume Low-Speed (HVLS) Fans, Exhaust Fans and other Ventilation products.

Ecoair's prestigious customer base is supported globally through dedicated service teams and a strong partner network across multiple projects and locations. Ecoair's UL/CE certified products have a design philosophy focused on safety, quality, customer requirements, reliability and durability. Ecoair products offer the best global technology at the most competitive pricing with assured hassle free service support and spares.



Ecoair cooling and ventilation systems create comfortable environments in Industrial Shopfloors, Warehouses, Railway Stations, Airports, Restaurants, Kitchens many other public places by supplying Cool, Filtered, Fresh, Oxygen rich air controlling humidity and temperature using innovative, customized solutions as per customer requirements.

## Our Purpose

We commit to be on the journey of creating simple, economic and eco-friendly functional air solutions for cool and comfortable ambience for that are enhancing productivity. Customer focused and create customized solutions. Our core values are fundamental to our existence and will continue to guide the way we conduct business.

### We continuously strive for creating comfort

- Comfortable cooling, drop temperature up to 20°C with high air flow
- Fresh, filtered, cool and oxygen rich air
- Dust control
- Control the humidity and temperature
- Proper air distribution
- Open space cooling
- Exhausting large volumes of air



## Ecoair EMF PMSM HVLS Fans



### Features & Advantages

- PMSM- (Permanent Magnet Synchronous Motor), Brushless Motor with High Torque at Low RPM.
- Exceptionally Low Maintenance- Service interval > 1,00,000 Hours, with 24x7 operation continuously at full speed.
- One of The Worlds Most Energy Efficient Motors- 30% Lower Power Consumption, compared to normal HVLS Fans.
- Extremely Low Sound - No Gearbox, Direct drive less than 45 db @ 1mtr
- High Pole Motor-66 poles & 6 pole winding specially designed for HVLS fan application
- 5 Blade 6061T6 Aluminum Alloy blade - High Strength & Durability
- Primary and Secondary Safety features for Anti Fall Protection for all components of the Fan.
- 0% Derating of the fan performance over the life of the fan.

### Best Suited For Application

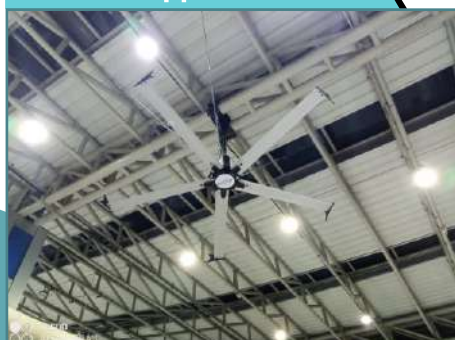
- 24x7 Operation & Low Sound Applications.
- Airports, Railway Stations, Bus Stands, etc Auditorium, Cinema Halls, Theaters, etc.
- Air Conditioned Building to Lower A/c Running cost.
- Warehouses, Shop Floors, Factories.
- Malls, Shopping Centers, Departmental Stores, Temples, Mosques, Churches, Prayer Halls.

### Ecoair PMSM Fan Specifications

MODEL NO.	FAN DIAMETER	POWER SUPPLY	MOTOR	AIRFLOW (CFM)	HEIGHT FROM FLOOR(Mtr)	ROTATION (RPM)
ECOPM7300	24 Feet	1PH/ 3PH	1.1 kw	3,78,000	9/11.5	52
ECOPM6000	20 Feet	1PH/ 3PH	1.1 kw	2,88,000	9/11.5	68
ECOPM4800	16 Feet	1PH/ 3PH	0.63 kw	2,25,000	6/7.5	72
ECOPM3600	12 Feet	1PH/ 3PH	0.29 kw	1,30,000	5/6.5	86
ECOPM3048	10 Feet	1PH/ 3PH	0.29 kw	99,000	5/6.5	100
ECOPM2400	08 Feet	1PH/ 3PH	0.29 kw	87,000	5/5.5	110

Note: Our Fan is compatible with Single Phase & Three Phase supply. \* As Per Standard Test Conditions

### Standard Applications



## Ecoair Product Range



**HVLS FANS**



**EVAPORATIVE AIR COOLING**



**EXHAUST FANS**



**YU GO FANS**



**AIR CIRCULATORS**

### Our Clients



**ecoair®**

**Ecoair Cooling Systems Pvt. Ltd**

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