

SINCE 2007

The logo for VARNI Engineering is centered within a large, stylized sunburst graphic. The sunburst consists of several thick white lines radiating from a central point, creating a circular shape. The word "VARNI" is written in a bold, uppercase, sans-serif font, and "Engineering" is written in a smaller, lowercase, sans-serif font directly below it.

VARNI
Engineering

THE EARTH ROTATES AND
CHANGES EVERYTHING.
SO DOES OUR HVLS FAN.

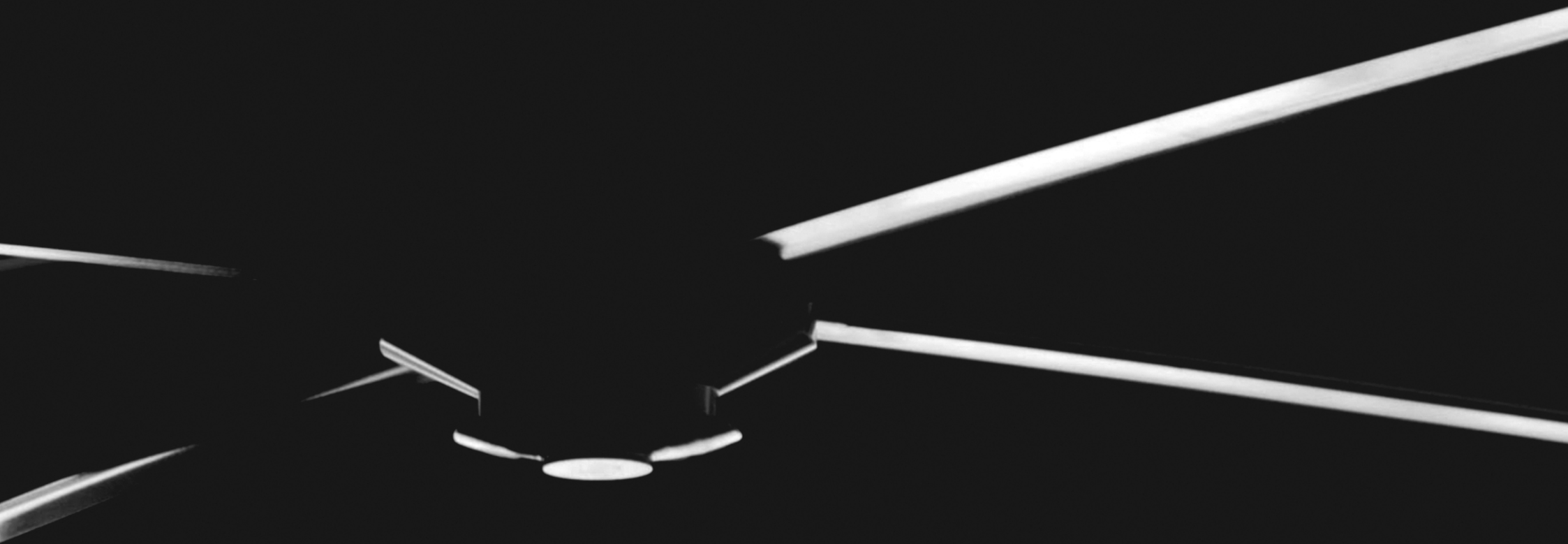
Transformation is only the beginning.

VARNI
Engineering

High Volume - Low Speed (HVLS) fan
or let's just call it "Brilliant Investment".

ultra efficient | ultra effective | ultra savings

Simply designed to bring efficient control
over temperature in a more effective way and
simultaneously save a huge cost of energy



www.hvlsfans.in



INTRODUCTION TO INDUSTRY

VARNI High Volume - Low Speed (HVLS) fans

Energy is getting expensive day by day and when it comes to heating and cooling, you're most likely looking for ways to lower your energy costs. Nowadays the entire society works to lower their carbon footprint and implement to develop a "greener world" cause the temperature is rising more as the years pass by.

Our VARNI High Volume - Low Speed (HVLS) fans are made of special ultra-efficient aero foil profile 5-blade design which properly balances the air and circulates it in an even manner to eliminate the build-up of hot stagnant air by maintaining constant air movement. They create a feeling of freshness that results in a more productive and comfortable environment. Delivering comfort to people working in or visiting large volume buildings by reducing 4-5°C temperature. Saving in running costs of up to 15% can be achieved when the fans are retrofitted alongside existing air conditioning system. The fans are a scaled-up version of the familiar ceiling fans domestically and commercially, to provide better cooling and air circulation over large scale.



4-Point Safety Features

- **Safety Clips** : These are used to prevent the hub from falling.
- **Safety Rings** : This hold the blade to the hub in case of any failure of hardware.
- **Safety Hook** : This holds the fan at time of any type of accidental release.
- **Safety Guy Wire** : Four aircraft-grade guy wires are connected with ceiling to reduce the vibration of the unit to minimum.

MOTOR

- Geared Motor
- Complete Alloy Aluminium Body.
- All bearings selected to provide long and trouble-free operation.
- High Quality sealing for enhanced leakage-protection.
- Sleek design for easy cleaning.
- Virtually maintenance free.

VFD

- Variable Frequency Drive (VFD) unit saves energy consumption and money.
- It also protects from electrical faults.
- Delay start function helps reduce sudden load impact on motor.

BENEFITS INTO INDUSTRY

Let's know HVLS System

VARNI HVLS fans are built to move the most of air over large areas within the facility with lowering the cost, consuming low energy. Allowing maximum cooling & keeping the temperature consistent from ground to the ceiling. Also reducing energy consumption upto 30-40% annually which is highly appreciated at every term.

Moving gently and keeping the air flow at an optimised speed over the facility, they provide a cool breezy atmosphere which helps to be more comfortable and productive under the roof in hotter days. Same as on wintertime, the same fan pushes the warm air from the top ceilings down to the floor which is even more reliable for the facility and people around.

Our aero foil profile HVLS fan costs much lower an hour to operate. Switching from common high-speed fans to our HVLS fan, you can replace upto 20 regular floor or wall mounted fans.

Now let's take an example

As for the example, in a 10,000 ft² factory. The overall coverage of the factory requires 100 small size (2.5 ft.) fans at least. While only 2 VARNI HVLS fan could solve the problem of same. Operation of 24 Hours cost 72 Kw electric power of VARNI (2 HVLS) fans, while 144 Kw for small size fans. Which means it could save 72 Kw (50%) in just 24 hours.*

Results with 3-Dimensional Natural Breeze Air

The comfort brought by the HVLS fan is entirely different from the other fans. Under HVLS fan, one could feel the three dimensional natural breeze from the four directions. So that the whole body would be covered by the air flow and the evaporation area of the sweat could be increased to the largest.

WHY CHOOSE VARNI HVLS FANS ?



HVLS fan cools a large area faster and then maintains the same.



HVLS fan's natural air ventilating system reduces the temperature and increases efficiency & comfort.



HVLS fan is efficient to run at a very low cost by reducing the no. of fans within area.



10% more productive & healthier employees. Leading to more Happier Customer services.



Our HVLS fan are uniquely designed, to give it a brilliant look.



We provide Customized Color in our HVLS fan.



Minimal Maintenance



Increased Occupant, Comfort & Productivity



Reduced Energy Consumption



Very Low Noise



Decreased Humidity Levels

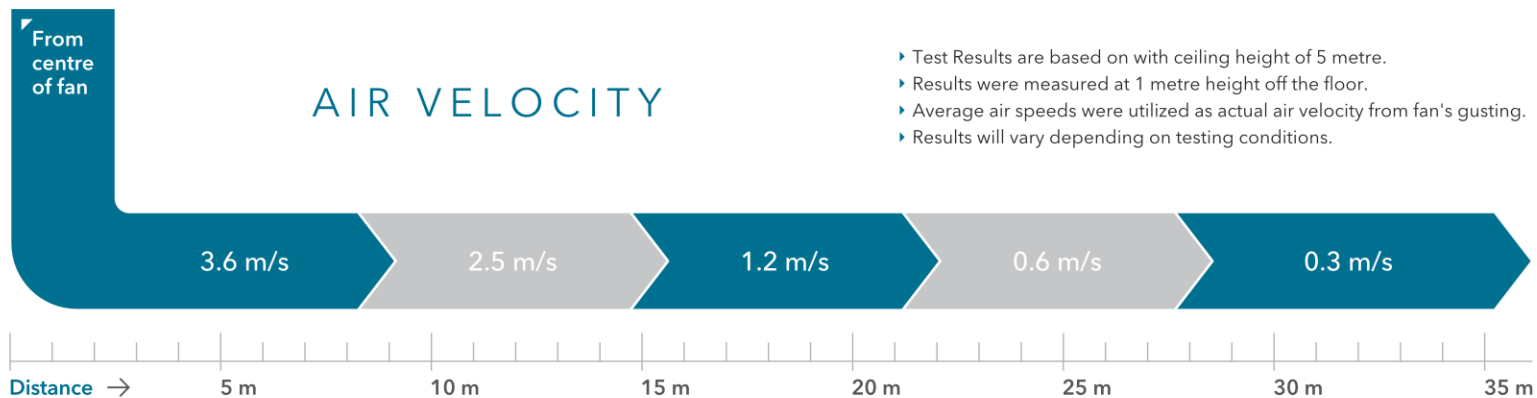
TECHNICAL OVERVIEW



Product Specifications

MODEL	VE245	VE205	VE165	VE125
Diameter	7.3 metre (24 ft.)	6.1 metre (20 ft.)	4.9 metre (16 ft.)	3.6 metre (12 ft.)
No. of Blades	5 Blades			
Max Speed	53 RPM	60 RPM	68 RPM	103 RPM
Airflow Displacement*	4,48,900 CFM	3,85,700 CFM	2,07,000 CFM	1,54,800 CFM
Rotating Source Power	1.5 Kw	1.1 Kw	1.1 Kw	0.75 Kw

Air Flow Diagram



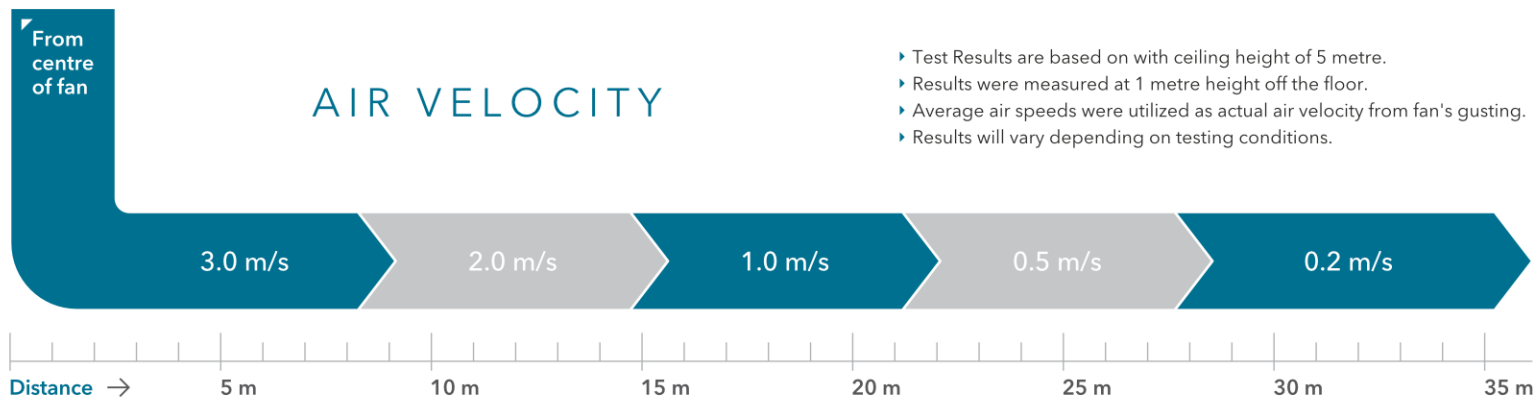
TECHNICAL OVERVIEW



Product Specifications

MODEL	VE24	VE20	VE16	VE12
Diameter	7.3 metre (24 ft.)	6.1 metre (20 ft.)	4.9 metre (16 ft.)	3.6 metre (12 ft.)
No. of Blades	4 Blades			
Max Speed	58 RPM	64 RPM	72 RPM	110 RPM
Airflow Displacement*	4,02,600 CFM	3,45,100 CFM	1,85,650 CFM	1,38,860 CFM
Rotating Source Power	1.5 Kw	1.1 Kw	1.1 Kw	0.75 Kw

Air Flow Diagram



APPLICATIONS INTO INDUSTRY

VARNI (HVLS) fans can be useful in multiple applications.



Warehouses



Factories



Hotels



Airports



Holy Places



Auditoriums



Function Halls



Railway Stations



Sports Centers

- Featuring blade diameters up to 24 feet, this revolution is applicable to large facilities with high ceilings.
- Bringing an efficient, economical & more eco friendly technology into the industry or simply upgrading the facility.
- The special ultra-efficient aero foil profile 5-blade design, is capable to move air upto 50-60 ft. in all directions from the centre of the fan.
- VARNI HVLS fans can be used in multiple of applications as required within facility space.

PRIME CUSTOMERS

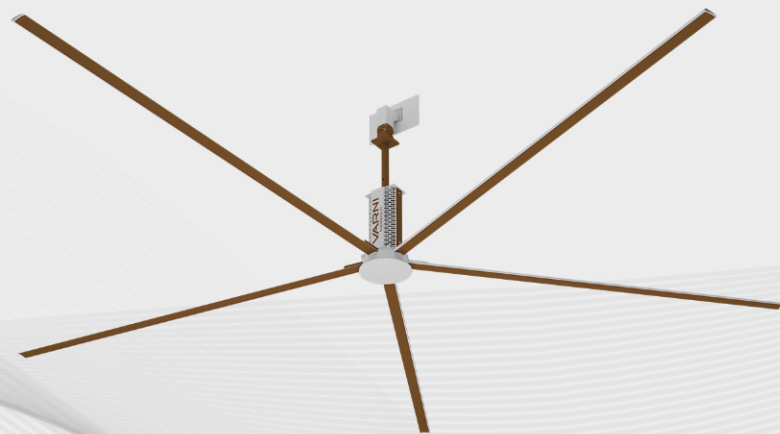
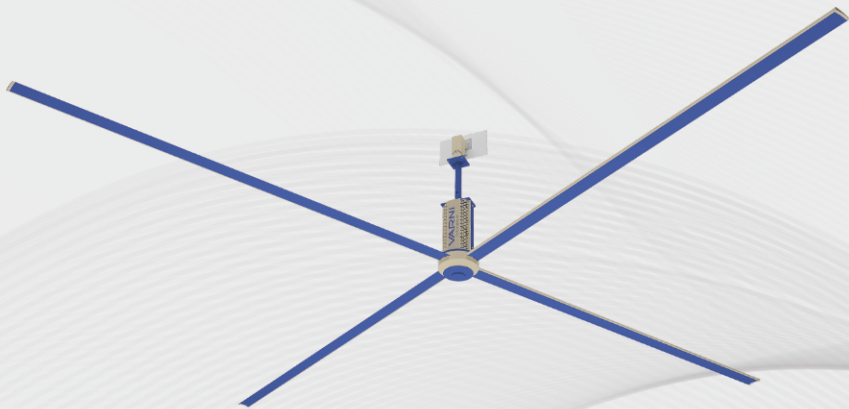


VARNI
Engineering

Our HVLS fans come with **4-Blade & 5-Blade** system, with a complete **Aluminium body motor.**



←
installations
all across India.





Reach us through any medium below.
Feel free to bring questions.

THANK YOU !

VARNI
Engineering

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