

***HVLS
FANS
SVS AL
SERIES***



**SUDHA VENTILATING SYSTEMS
PVT LTD**

SAFE
RELIABLE
DEPENDABLE



Company Profile



Human comfort in factory and warehouse workspace

SVS produces some of the best & most innovative ventilation and natural daylighting solutions across the globe. Founded in 1991, we have partnered with Bradford Ventilation, Australia (earlier known as CSR Edmonds) with the goal of providing the world easier access to energy-efficient innovations that include natural, wind driven & hybrid turbo ventilation technology. Adding our in-house designed innovative natural sun tunnel daylight systems to this range, SVS is a one-stop solution for working environment comfort solutions. At SVS, we're passionate about delivering superior comfort and performance whilst reducing the overall impact on the environment.

Products Offered

❖ HVLS (High Volume Low Speed) Fans

- PMSM motor
- Geared motor
- Portable
- Wall mounted

❖ Ventilators

- Wind driven
- Hybrid Power driven

❖ Natural daylighting system

- Tubular
- Rectangular

❖ External Louvers

- PVC
- Aluminium

Advantages of PMSM

❖ High Energy Efficiency

Our fans are equipped with PMSM motors that delivers exceptional energy efficiency compared to traditional induction motors. The high efficiency is maintained even at low speeds making them ideal for continuous operation in large spaces.



❖ Gearless Direct Drive Design

The elimination of gearbox systems is one of the most significant advantages of PMSM technology. Direct drive motors connect directly to the fan hub, removing the need for transmission gears which eliminates friction losses, mechanical noise, and wear points. This gearless design results in lighter overall weight, simplified structure and improved reliability.



❖ Maintenance free motor

These motors are virtually maintenance-free. The direct drive design eliminates the need for lubrication, oil changes and gear replacements that plague traditional systems.



❖ Ultra-Low Noise Operation

PMSM HVLS fans operate at remarkably low noise levels typically around 40 dB. This quiet operation makes them ideal for noise-sensitive environments such as auditoriums, temples, airports etc.



❖ Compact Size and Lightweight Design

PMSM motors are more compact and lightweight than traditional induction motors, making installation easier and reducing structural load requirements. The absence of a gearbox chassis further reduces weight, allowing for simpler mounting systems.



SVS AL SERIES

- EFFICIENT
- STABLE
- COST-EFFECTIVE CHOICE



Why HVLS fans?

HVLS fans create a lot of air movement at slow RPM. It maximizes the flow of air circulation to improve occupancy comfort. One HVLS can cover large area and is highly energy efficient while maintaining a quiet operation

Advantages

- Higher standard motor, adopts ESSEX magnet wire, anti 200°C and magnetic steel N48SHT, anti 170°C.
- IP55 protection level, 380V/220V supported, high efficiency and silent
- Five blade structure brings cost-effective price.

Technical Parameters

Model	Size (ft)	Motor Power (kW)	Speed (RPM)	Air Volume (CMM)	Fan Weight (kg)	Noise Level (dBA)
SVS AL_24	24	1.5	10-55	13650	113	≤40
SVS AL_20	20	1.5	10-65	11500	100	≤40
SVS AL_18	18	0.8	10-70	10500	82	≤40
SVS AL_16	16	0.8	10-80	9800	80	≤40
SVS AL_14	14	0.4	10-90	8900	69	≤40
SVS AL_12	12	0.4	10-95	7900	67	≤40
SVS AL_10	10	0.4	10-100	6950	64	≤40
SVS AL_8	8	0.4	10-120	4950	53	≤40

Note :

1. Performance values are tested under standard laboratory conditions. Actual site performance may vary depending on installation height, environment and power supply quality.
2. All specifications mentioned above are subject to standard manufacturing tolerances ±5%

Safety

It adopts 10 safety protection measures (safety ropes, safety rings, anti-fall bushing technology, I-type fan blade links, up to 12.9 grade fasteners, anti-loose fasteners, fan blades double reinforced design, forged fan blades connector design, control system overload protection, fan collision automatically shut down)

Activate safety protection mechanisms in case of emergency

- Safety ring: Prevent any parts from slipping under any circumstances
- Motor hub design: Upgraded from point contact fastening to surface fastening. In special circumstances where the screws are loose, the blades will never fall off
- Step terrain motor shaft: Lock the motor stator and rotor firmly and never fall off
- Steel wire traction: The stress strength of each steel wire cable can reach 1000kg and each connection point is equipped with double protection
- Once emergency occurs, the controller will automatically alarm and stop operation

Prime Clients



Steel Strips Wheels Limited

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