



# HVLS FAN

**HVLS (High Volume Low Speed)** fans are large industrial fans that are designed to move large volumes of air at low speeds. The fan's integrated permanent magnet motors allow for efficient operation at a variety of speeds. HVLS Fans improve indoor air quality, increase comfort, and reduce overall energy costs. They are commonly utilized in warehouses, barns, and commercial manufacturing facilities.



Quiet operation with measured volumes at less than 45 decibels



Direct drive permanent magnet motors reduce maintenance costs and weight associated with the gearbox.



Wingtips enhance performance by increasing aerodynamic effectiveness.



Aluminum extruded blades optimized for maximum air movement.



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### TECHNICAL PERAMETERS

Fan Size (Ft)	8	12	16	20	24
Power (kW)	0.37	0.75	0.75	1.1	1.1
Horsepower (HP)	0.5	1	1	1.5	1.5
Voltage (V)	1-Phase 230V/3-Phase 208-230V/3-Phase 460V				
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Air Volume (CFM)	141,258	176,573	353,146	406,118	459,090
Air Volume (m <sup>3</sup> /min)	4000	5000	10000	11500	13000
Speed (RPM)	120	100	80	65	50
Blade Number	5	5	5	6	6
Noise (dB)	38	38	38	38	38
Effective Area (m <sup>2</sup> )	150	230	300	600	700
Effective Area (ft <sup>2</sup> )	1614	2475	3229	6458	7534
Cover Area (m <sup>2</sup> )	250	380	500	1000	1500
Cover Area (ft <sup>2</sup> )	2690	4090	5381	10763	16145