

# PENTA-LITE ECONOMIC HVLS FANS

This economic, geared drive, high volume low speed fan design is ideal for industrial & commercial settings.

Operating on a 1.0 HP gear motor, minimal power consumption is combined with impressive air volumes to create the highly efficient Penta-Lite 5L economic geared drive HVLS fan.

Penta-Lite HVLS fans blanket a very large area by constantly moving air to create an expansive comfort zone. As a result, the big ceiling fan can create an evaporative cooling effect of three to four degrees throughout the facility.

During the heating season, the Penta-Lite HVLS fan technology can destratify uneven temperatures that can be in excess of fifteen degrees from ceiling to floor. This results in significant energy savings since the heating system cycles less frequently.

## FEATURES

Conforms to CSA Standard 22.2# 133 and UL507

- Equipped with five high performance STOL design airfoils constructed of E420 non-anodized aluminium. Contoured for maximum air movement.
- Factory programmed Variable Frequency Drive (VFD) in remote mounted enclosure. Includes disconnect switch and fuse protection.
- 1/4" powder-coated steel and anodized aluminum chassis resists rusting and corrosion even in cold and damp environments.
- Open Drip Proof (ODP) motor with precision finished gearbox for low noise and long service life. Sealed with lifetime synthetic oil. Robust 3-inch output shaft for strength with nylon bushing on input.
- Quiet Performance & Minimal Maintenance



## PERFORMANCE SPECIFICATIONS

MODEL NUMBER	DIAMETER	NOMINAL MOTOR	VOLTS	MAX RPM	FLA	AREA OF INFLUENCE	NOISE LEVEL	WEIGHT***
5L10-V*-P**	10 Ft.	0.75 kW (1.0 HP) - 48/62hz	99-660	85	1.96-3.38	100 Ft.	45 dBA	236 lbs.
5L12-V*-P**	12 Ft.	0.75 kW (1.0 HP) - 48/62hz	99-660	85	1.96-3.38	120 Ft.	45 dBA	246 lbs.
5L14-V*-P**	14 Ft.	0.75 kW (1.0 HP) - 48/62hz	99-660	75	1.96-3.38	140 Ft.	45 dBA	256 lbs.
5L16-V*-P**	16 Ft.	0.75 kW (1.0 HP) - 48/62hz	99-660	64	1.96-3.38	160 Ft.	45 dBA	266 lbs.
5L18-V*-P**	18 Ft.	0.75 kW (1.0 HP) - 48/62hz	99-660	55	1.96-3.38	180 Ft.	45 dBA	277 lbs.
5L20-V*-P**	20 Ft.	0.75 kW (1.0 HP) - 48/62hz	99-660	53	1.96-3.38	200 Ft.	45 dBA	287 lbs.
5L24-V*-P**	24 Ft.	0.75 kW (1.0 HP) - 48/62hz	99-660	42	1.96-3.38	240 Ft.	45 dBA	307 lbs.

\*Replace V with Input Voltage 115, 230 or 460. IE: 5L24-230-3.

\*\* Replace P with 1 (Single Phase) or 3 (Three Phase)

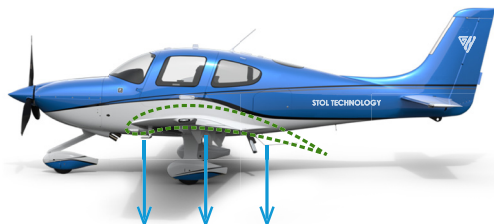
\*\*\*Based on standard 1' extension bar

**Note:** Required controller sold separately. See HVLS controllers page

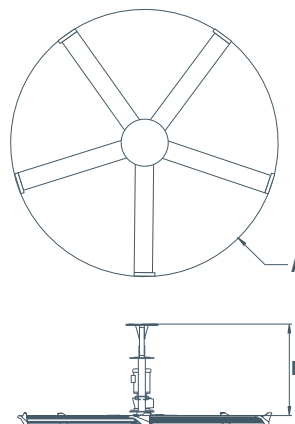
## THE S.T.O.L. ADVANTAGE

Penta-Lite airfoils are engineered with S.T.O.L. (Short Take Off & Landing) Technology to obtain the greatest amount of lift at slower speeds. The more lift the airfoil can generate, the greater amount of air which can be displaced towards the floor.

Due to an increase of lift created by the airfoil, Penta-Lite fans can operate at lower speeds with less power consumption and produce a higher distribution of airflow than other styles of airfoils.



## DIMENSIONS



MODEL NUMBER	A	B***
5L10-V*-P**	10'	44"
5L12-V*-P**	12'	44"
5L14-V*-P**	14'	44"
5L16-V*-P**	16'	44"
5L18-V*-P**	18'	49"
5L20-V*-P**	20'	51"
5L24-V*-P**	24'	55"

\*Replace V with Input Voltage 115, 230 or 460. IE: 5L24-230-3.

\*\* Replace P with 1 (Single Phase) or 3 (Three Phase)

\*\*\*Based on standard 1' extension bar