



KLPS

Introduction: KLPS

The KLPS low profile series fan-powered induction terminals are designed to maintain optimum temperatures in the conditioned zone through economical recirculation of plenum return air and accurate control of primary air (cooling) to the zone.

The KLPS low profile fan powered terminal units offer excellent performance and affordability in a compact unit with optimum physical dimensions for buildings where ceiling plenum space is limited. There are three different heights to accommodate every application. The size 1 ultra low profile unit is only 8 5/8" tall making it the most compact fan terminal unit available on the market. The size 2 ultra low profile unit is slightly taller, at 9 1/2", but delivers higher air capacities. Sizes 3 and 4 low profile units offer a diverse operating range for a unit that is only 11" tall. Lastly, unit size 5, at 17", is for applications that will accommodate a slightly larger unit.

The Model KLPS is designed to sustain optimum occupant comfort levels by maintaining a constant supply of air to the conditioned zone. The KLPS recirculation fan draws cold air from the primary air duct and warm air from the return plenum in varying amounts to satisfy zone temperature requirements. Warm air and cold air blend in the unit fan before entering the discharge plenum. Optional heating coils may be used for additional terminal heating requirements. Primary air is modulated with direct digital, analog or pneumatic pressure independent type controls.

MODEL

KLPS - Low Profile, Series Fan Powered Terminal Unit

FEATURES

- Unit size 1: Ultra low profile at only 8 5/8" tall.
- Unit size 2: Ultra low profile at only 9 1/2" tall.
- Unit sizes 3 & 4: Only 11" high to accommodate installation in low height ceiling plenum spaces.
- Unit size 5: Only 17" high for extra capacity applications.
- Airflow capacities: Range up to 1970 CFM for the KLPS to allow airflow control for commercial applications.
- Heavy gage galvanized steel casing for unit strength and product durability.
- Several casing liner options provide quiet and clean operation.
- Fully removable, bottom access panel included with each unit for easy access to all internal components.
- Control enclosure located on left-hand or right-hand side for easier installation.
- Single point electrical connection minimizes number of ceiling plenum electrical connections.
- Recirculation multi-voltage fan motors are quiet, reliable, and permanently lubricated; energy efficient ECM motors are available.
- Electronic speed control (SCR) allows field adjustable fan airflow.
- Isolated motor/blower assembly limits casing acoustical transmission.
- ETL listings are under UL 1995 electrical safety.
- AHRI listings are certified in accordance with AHRI standard 880 testing standard.
- External filter option allows quick and easy access for routine replacement.
- Pneumatic, analog, and digital controls may be customized for many building systems. BACnet/BMS compatible digital controls can be provided by Krueger.
- Auxiliary heat offers a wide range of options, including electric and hot water heat.
- LineaHeat solid state electronic proportional control of electric heat is available with or without leaving air temperature control.
- AC solid state relays offer silent operation for staged electric heat.
- Revit models are available at www.krueger-hvac.com/revit.