



KQFS

**Introduction: KQFS**

In today's commercial structures, sound performance is a major concern. To satisfy this, Krueger's KQF line of quiet fan powered induction terminals have been designed to handle sound sensitive applications. Through economical recirculation of plenum return air and accurate control of primary air (cooling) to the zone, these units maintain optimum temperatures in the conditioned space.

KQF fan terminal units offer a durable design that features an integral attenuator and isolated blower panel. The multi-voltage motors, blower, and primary air damper components are easily accessible from the bottom of the unit. All KQF units are ETL listed and AHRI certified. With several types of casing liners, there is a unit configuration to meet each job specification.

The Model KQFS is designed to sustain optimum occupant comfort levels by maintaining a constant supply of air to the conditioned zone. The recirculation fan draws cold air from the primary air duct and warm air from the return plenum in proportional 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.

The primary air is modulated with direct digital, analog, or pneumatic pressure independent type controls.

**MODEL**

KQFS - Ultra Quiet, Series Fan Powered Terminal Unit

**FEATURES**

- Ultra quiet operation for critical sound applications.
- Airflow capacities up to 3000 CFM for model KQFS, providing airflow control for commercial applications.
- 20 gage galvanized steel casing construction provides advantages in acoustics, quality, unit strength, and product durability.
- Several types of casing liner options provide quiet and clean operation.
- Round inlet sizes ranging from 6" to 16" diameter are sized to fit standard spiral and flex duct for quick installation.
- Each unit size offers multiple primary inlet sizes to allow for flexible system design.
- Fully removable bottom access panel included with each unit for easy access to internal components for maintenance.
- Integral induced air attenuator eliminates the requirement for a separate bolt-on attenuator.
- Control enclosure located on left-hand or right-hand side for easier installation.
- Single point electrical connection minimizes the number of ceiling plenum electrical connections.
- Recirculation multi-voltage fan motors are quiet, reliable, and permanently lubricated; ECM motors are available.
- Electronic speed control (SCR) allows field adjustable fan airflow.
- Isolated motor/blower assembly limits casing acoustical transmission.
- ETL listings under UL 1995 electrical safety.
- AHRI listings are certified in accordance with AHRI 880 testing standard.
- External filter option for quick access and routine replacement.
- Auxiliary heat offers a wide range of options, including electric and hot water heat.
- Pneumatic, analog, and digital controls may be customized for many building systems. BACnet/BMS compatible digital controls can be provided by Krueger.
- 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](http://www.krueger-hvac.com/revit).