

Introduction: QFC

The QF fan-powered induction terminal units 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 QF fan terminal units offer excellent performance characteristics and affordability in a compact unit with optimum physical dimensions.

The Model QFC series fan powered terminal unit is designed to sustain optimum occupant comfort levels by maintaining a constant supply of air to the conditioned zone.

The QFC 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.

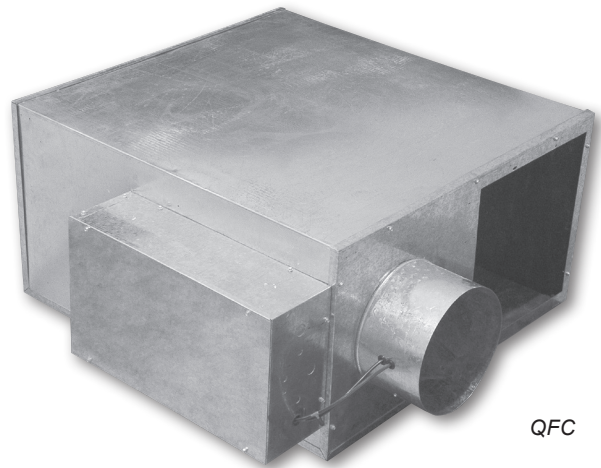
Primary air is modulated with direct digital, analog, or pneumatic pressure independent type controls.

MODEL

QFC - Series Fan Powered Terminal Unit

FEATURES

- Compact unit casing dimensions accommodate installation in reduced ceiling plenum spaces.
- Airflow capacities range up to 3660 CFM for the QFC products to allow flow control for commercial applications.
- 22 Gage galvanized steel case construction with an optional 20 gage galvanized steel case for unit strength and product durability.
- Several types of casing liner options provide quiet and clean operation.
- Round inlet sizes ranging from 6" through 16" diameter are slightly undersized 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 is included with each unit for easy access to all internal components for maintenance.
- Optional induced air attenuator for reduced radiated sound.
- 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; ECM motors are available on model QFC.
- 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.
- Auxiliary heat offers 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.



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