



KD Series

Round Inline Mixed Flow
Centrifugal Fans



KD Series
Inline Fans from Residential to Commercial.

Systemair KD direct drive, mixed flow centrifugal fans blend the high flow or axial fans with the higher pressure, non-overloading characteristics of backward curved impellers. An excellent choice for exhaust or supply applications where quieter performance and easy installation are important. Perfect for commercial and institutional structures such as offices, hospitals, beauty salons, veterinary clinics as well as residential applications such as kitchen range hood exhaust.

KD straight-through inline design fans are available in a wide range of sizes for easy installation in duct sizes from 8" to 20". Fans can be mounted at any angle at any point along the duct work. Motors are capable of operating in airstream temperatures up to 140°F. Motor bearings are permanently sealed, self lubricating ball type.

Case

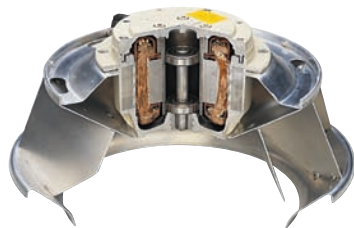
Galvanized steel housings meet code requirements for both residential and commercial applications. High quality ebm-papst motors ensure long life and dependable performance.

Controls

Each motor shall be controlled independently by an electromechanical device.

External Rotor Motors

All KD Series fans utilize our unique external rotor motors. The motor's enclosed design allows the fan to operate in high moisture, lint and dust laden air. The motors are a permanent split capacitor type, with automatic reset thermal overload protection and sealed ball bearings. These features ensure long life and maintenance-free operation. All motors and impellers are designed as one integral unit, allowing for excellent motor heat dissipation, even at a low RPM.



Systemair external rotor motor

Features

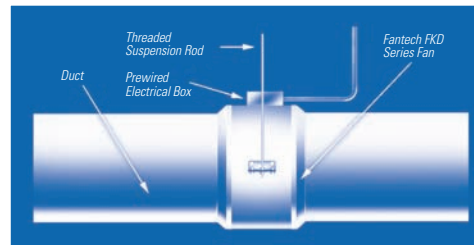
- Airflow up to 6291 CFM
- 8" to 20" duct diameters
- Galvanized steel housing
- External rotor motor with built-in thermal overload protection and automatic reset
- Mixed flow impeller
- Permanently lubricated sealed ball bearings
- Excellent heat dissipation to ensure long motor life
- Suitable for airstream temperatures up to 140°F
- 100% speed controllable
- Terminal box with prewired electrical strip

Installation

The KD Series features new longer duct connections for easier installation.

Mounting

Fans are prewired and include bracket for mounting to wall or ceiling. Straight-through airflow allows fans to be installed at any angle at any point along the ductwork.



Warranty

The inline fan is backed by a 3-year limited warranty from the purchase date. The limited warranty covers defects in material, workmanship and parts.

Options

- Speed controls with On/Off switch
- LCS Series of Speed Controls Modulates Fan speed by up to 100% based on:
 - Temperature of the space
 - Pressure within a duct
 - Voltage (2 – 10VDC or 4 – 24mA signal Input)
- Sound attenuators
- Mounting clamp
- Grilles and diffusers



KD 250-EF

