

## FKD 18 EC Mixed Flow Fan

18" inline duct fan w/metal housing, EC Motor, 460V, 3~

Item #: 44957

Variant: 460V 3~ 60Hz



High efficiency inline mixed-flow duct fan designed for ventilation systems in commercial applications that require moderate-to-large volumes of airflow at high static pressures. Infinite airflow controllability and economical use of energy help this fan match the demand of any job.

- Built-in potentiometer
- Optional control via external devices outputting 0-10V signal such as temperature, occupancy sensor, gas detection, humidity, etc.
- BMS compatible
- LEED credit qualifier for green or passive house projects
- Input from temperature or occupancy sensor via a 0-10V signal or dry contact
- Excellent energy savings, especially at partial load
- High cfm/W ratio
- Low ambient noise when speed-controlled
- 5-year factory warranty

Typical applications are supply or exhaust air duct systems in offices, day care facilities, schools, gymnasiums, manufacturing facilities where airflow adjusts to the actual demand based on a day/time schedule, occupancy, CO2 level, etc.

The housing is manufactured from a two-piece stamped, galvanized construction. The fan motor can operate in temperatures of air up to 104°F and the motor bearings are permanently sealed and self-lubricating for maintenance-free life.

The fan comes with a built-in 0-10V potentiometer that makes it easier to find the preferred working point without any additional wiring. The fan has built-in thermal overload protection with automatic reset, meaning no user intervention necessary. With the motor in the airstream, this fan provides the constant dissipation of heat build-up even at partial load that gives this fan best-in-class longevity and reliability. For the same air volume, this fan consumes considerably less energy than an AC fan of its size.

Specifically designed mounting brackets and hardware for fast installation are included. This fan comes with a 5-year factory warranty.

