

## FG 6M EC Centrif. Inline Fan

6" inline duct fan w/metal housing, EC motor, 120V, 1~

Item #: 49900

Variant: 120V 1~ 60Hz



High efficiency inline duct fan for ventilation systems in residential and commercial applications where infinite airflow controllability is required. Economical use of energy and ease of control 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 temp 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
- ENERGY STAR® listed

The fan comes with a built-in 0-10V potentiometer that makes it easier to find the preferred working point without any additional wiring.

Typical applications for this model 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 fan can be used as a duct booster for extra-long duct runs in single-family homes.

The housing is manufactured from a two-piece stamped, galvanized construction. The two halves are joined using Fantech's unique folded seam closure, which gives the fan the first in class, airtight seal.

The fan motors can operate in temperatures of air up to 140°F and the motor bearings are permanently sealed, self-lubricated for maintenance-free life. This model has built-in thermal overload protection with automatic reset needing no user intervention. With the motor in the airstream, the fan provides the constant dissipation of heat build-up even at partial load thus giving the fan best in class for longevity and reliability. For the same air volume, this fan consumes considerably less energy than an AC fan of its size.

The mounting bracket and hardware are included, and the fan is ENERGY STAR® listed and comes with 5-year factory warranty.

