FRD SERIES
RECTANGLE INLINE MIXED FLOW CENTRIFUGAL FANS

Maximum power in a minimum of space

Limited space? No problem. Fantech’s FRD Series centrifugal type exhaust_SUPPLY fans are specifically designed for large ventilation needs where space is at a premium, such as hospitals, schools, or office buildings. System balancing is easy. A simple speed adjustment equalizes all vents to compensate for hot or cold spots.

Direct-to-duct installation

The compact housing design of the FRD Series allows for installation directly within rectangular ductwork (ranging from 12”x 6” ducts to 24”x 14” ducts), without the need for large elbows or transitional sections.

FRD Series fans are simple to install; no extra materials are required. Simply mount the fan at any angle in any point in the ductwork. The motor is mounted on a hinged door – just swing the door out for easy access to the motor and wiring connections.

External rotor motors

All FRD 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.

Maintenace Made Easy
Here’s Why:

- Galvanized steel housing features baked powder coat finish
- Hinged door for service access
- External rotor motor for excellent heat dissipation even at low RPM, and built-in thermal overload protection with automatic reset.
- Suitable for airstream temperatures of up to 140°F
- UL Listed
- 100% speed controllable through voltage reduction allowing for on-demand ventilation or precision balancing of systems
- Permanently lubricated sealed ball bearings
- Airflow up to 2318 CFM
- Rectangular ductwork connections
- Terminal box with prewired electrical strip
- True backward curved impeller
- Excellent heat dissipation, ensuring long motor life
- Three-year warranty
FRD SERIES
INLINE CENTRIFUGAL FANS FOR RECTANGULAR DUCT

Performance certified is for installation type D - ducted inlet, ducted outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).

† The sound ratings shown are loudness values in fan sones at 5ft. (1.5m) in hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type D: ducted inlet fan sone levels. Ratings do not include the effect of duct end correction. Sone values shown was calculated at 0.5" (static pressure in inches W.G.).
‡ Sone value shown was calculated at 0.75" (static pressure in inches W.G.).
1 Recommended speed control rating 5A.
2 Recommended speed control rating 10A.