



better AIRFLOW by DESIGN™

MID DIRECT DRIVE MIXED FLOW IN-LINE FANS PRODUCT SPECIFICATION GUIDE

1.0 GENERAL

- A. Fans shall be model MID Direct Drive Mixed Flow Fans, as manufactured by Continental Fan Manufacturing Inc., of Buffalo, NY, and of the size and capacity as indicated on the drawings and fan schedule.
- B. Fans shall be rated and tested in accordance with ANSI/AMCA Standard 210.
- C. All motors and electrical components shall conform to NEMA standards.

2.0 FAN HOUSING

- A. Fan housing shall be constructed of rolled and continuously welded heavy gauge steel.
- B. Fan motor base shall be constructed of welded heavy gauge steel, and form an integral part of the interior fan housing.
- C. Fan housing and motor base shall be coated with baked polyester powder coat finish.

3.0 FAN IMPELLER

- A. Mixed flow impeller shall be constructed of aluminum blades and shroud secured to a steel hub assembly.
- B. Mixed flow impeller blades shall be of adjustable pitch construction to meet the required air performance. Blade pitch angles shall be factory set.
- C. Mixed flow impeller hub shall be designed to incorporate a split taper bushing, and be keyed directly to motor shaft.

4.0 FAN MOTOR AND DRIVE

- A. Motor shall be TEFC industrial duty and conform to NEMA standards.
- B. Motor shall be of voltage, horsepower, RPM and enclosure as indicated on the fan schedule.
- C. Fan shall be provided with an externally mounted and wired junction box

5.0 OPTIONAL FAN ACCESSORIES

- A. Where indicated, fan shall be provided with the following optional accessories:
 - Mounting feet
 - Inspection door
 - Motor side guard
 - Impeller side guard
 - Explosion proof motors
 - Special duty motors

6.0 FAN TESTING

- A. Mixed flow impeller shall be balanced and mounted in fan assembly.
- B. Fan assembly shall be run and tested prior to shipment.
- C. A test report shall be maintained on file for each individual fan.