

# AID AXIAL IN-LINE FANS

## PRODUCT SPECIFICATION GUIDE

### 1.0 GENERAL

- A. Fans shall be model AID Direct Drive Axial In-line 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 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 finish.

### 3.0 FAN IMPELLER

- A. Axial impeller shall be constructed of spark resistant, die cast aluminum airfoil shaped blades secured to a die cast aluminum hub assembly.
- B. Axial impeller blades shall be of adjustable pitch construction with multiple hub-to-blade arrangements to maximize air performance. Blade pitch angles shall be factory set.
- C. Axial 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:
  - Guards
    - Impeller side
    - Motor side
  - Mounting feet
  - Motors
    - Explosion proof
    - Special duty

### 6.0 FAN TESTING

- A. Axial 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.