

TID CENTRIFUGAL IN-LINE FANS

PRODUCT SPECIFICATION GUIDE

1.0 GENERAL

- A. Fans shall be model TID Direct Drive 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. Centrifugal impeller shall be constructed of glass reinforced polyamide complete with a die cast aluminum hub assembly.
- B. Centrifugal impeller shall be of the non-overloading, backward curved airfoil design for highest efficiency.
- C. Centrifugal 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
 - Propeller side
 - Motor side
 - Inspection door
 - Mounting feet
 - Motors
 - Explosion proof
 - Special duty

6.0 FAN TESTING

- A. Centrifugal 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.