

TCD DIRECT DRIVE BLOWERS

PRODUCT SPECIFICATION GUIDE

1.0 GENERAL

- A. Fans shall be model TCD Direct Drive Blower, as manufactured by Continental Fan Manufacturing Inc., of Buffalo, NY, and of the size, capacity and rotation 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 and motor base shall be constructed of heavy gauge steel.
- B. Fan housing shall be rolled with lock formed seams insuring against any air leakage.
- C. Fan housing shall be epoxy coated.
- D. Fan housing shall be capable of field rotation to any of 5 positions.
- E. Motor base shall be constructed of welded steel components.
- F. Motor base shall be coated with baked polyester powder coat finish.
- G. Inlet cone shall be constructed of ABS material to prevent corrosion.

3.0 FAN IMPELLER

- A. Centrifugal impeller back plate, conical front plate and airfoil shaped backward curved blades shall be constructed of glass reinforced polyamide.
- B. Centrifugal impeller shall be secured to a die cast aluminum hub assembly.
- C. Centrifugal impeller and inlet cone shall be factory matched for superior performance.
- D. Centrifugal impeller hub shall be designed to incorporate a split taper bushing, and be keyed directly to drive 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.

5.0 OPTIONAL FAN ACCESSORIES

- A. Where indicated, fan shall be provided with the following optional accessories:
 - Inlet flange
 - Inlet guard
 - Shaft seal
 - Backdraft damper
 - Weather hood
 - CCW rotation
 - 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 tested prior to shipment.
- C. A test report shall be maintained on file for each individual fan.