

## SECTION 15838 - POWER VENTILATORS

### PART 1 - GENERAL

#### 0.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

#### 0.2 SUMMARY

- A. This Section includes the following:
  - 1. Ceiling-mounting ventilators.

#### 0.3 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- B. Listing: U.L. listed.

#### 0.4 COORDINATION

- A. Coordinate size and location of structural-steel support members.

### PART 2 - PRODUCTS

#### 0.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - 1. Ceiling-Mounting Ventilators:
    - a. Breidert Air Products, Inc.
    - b. Broan Mfg. Co., Inc.
    - c. Cook, Loren Company.
    - d. Dayton Electric Manufacturing Co.
    - e. NuTone Inc.
    - f. Penn Ventilation Companies, Inc.

## 0.2 CEILING-MOUNTING VENTILATORS

- A. Description: Centrifugal fans designed for installing in ceiling
- B. Housing: Steel, lined with acoustical insulation.
- C. Fan Wheel: Centrifugal wheels directly mounted on motor shaft. Fan shrouds, motor, and fan wheel shall be removable for service.
- D. Grille: Plastic, louvered grille with flange on intake.
- E. Electrical Requirements: Junction box for electrical connection on housing and receptacle for motor plug-in.
- F. Accessories:
  - 1. Variable-Speed Controller: Solid-state control to reduce speed from 100 percent to less than 50 percent.
  - 2. Isolation: Rubber-in-shear vibration isolators.
  - 3. Manufacturer's standard roof jack or wall cap, and transition fittings.

## PART 3 - EXECUTION

### 0.1 INSTALLATION

- A. Install power ventilators level and plumb in accordance with manufacturer's instructions.
- B. Support suspended units from structure using threaded steel rods and rubber-in-shear isolators.
- C. Install units with clearances for service and maintenance.

### 0.2 CONNECTIONS

- A. Duct installation and connection requirements are specified in other Division 15 Sections. Drawings indicate general arrangement of ducts and duct accessories. Make final duct connections with flexible connectors. Flexible connectors are specified in Division 15 Section "Duct Accessories."
- B. Install ducts adjacent to power ventilators to allow service and maintenance.
- C. Ground equipment.

END OF SECTION 15838