



## **SERIES 19F – GUIDE SPECIFICATION**

### **BELT DRIVE HOODED ROOF VENTILATOR, FILTERED INTAKE**

The Belt Drive Hooded Roof Ventilator, Filtered Intake shall be manufactured by Hartzell Air Movement, Series 19F. Standard sizes are 24" through 84".

The hooded roof ventilator shall be a rugged, industrial design, consisting of a galvanized steel base, galvanized steel hood and a steel orifice panel and motor and bearing mount. The hood is to be designed to provide easy access to the fan, bearings, shaft and motor (one piece hood for sizes 24" to 36" and two piece hood for sizes 42" to 84"). The base is designed such that the dampers can be easily installed without further modifications to the unit.

The fan portion of the unit is to consist of a steel orifice panel with cast aluminum, airfoil type propeller. The propeller is secured by a split taper lock bushing or a clamp block, to a ground and polished, carbon steel shaft.

The shaft is located and secured in foot mounted, pillow block type, ball bearings. The prop is driven by a open protected motor, through V-groove type pulleys and static resistant V-belts. The units shall have lifting lugs provided as standard equipment. The hood shall be able to accommodate filters. Fixed pitch drives shall be standard.

The design shall provide for complete protection from the elements for supply airflow. The fan assembly is to be placed in the upper section of the ventilator base. The motor and drive components are all located outside the airstream and are enclosed by the cover. The motor and bearing base shall be steel and shall be supported by oversized solid steel support rods to provide rugged construction. The unit shall be a compact, low profile ventilator.

The galvanized steel base shall be a minimum of 14 gauge material, and the hood shall be a minimum 18 gauge galvanized steel.

The fan assembly in the hooded ventilator shall be dynamically balanced at the Hartzell factory prior to shipping. Fans shall be balanced to the American National Standards Institute, Std. S2.19-1989 "Balance Quality of Rotating Rigid Bodies", and Grade G6.3. This fan shall be manufactured in accordance with Hartzell's standard quality assurance procedures. Fan performance shall be based on tests conducted in Hartzell's AMCA accredited test laboratory and in accordance with AMCA Standard 210 for air performance and AMCA Standard 300 for sound.

#### **ACCESSORIES:**

- Special Construction - Available in aluminum and stainless steel. High wind load construction features also available.
- Protective Coatings - Non-standard coatings shall be available for special corrosion resistant applications.
- Filters - Both permanent and disposable filters shall be available.
- Slide Rails - Hood roller slide rails for sizes 42" and larger shall be available.