



## **SERIES 15FH – GUIDE SPECIFICATION**

### **HEAVY DUTY, DIRECT DRIVE HOODED ROOF VENTILATOR, FILTERED INTAKE**

The Direct Drive Hooded Roof Ventilator, Filtered Intake, shall be manufactured by Hartzell Air Movement, Series 15F. Standard sizes are 18" through 72".

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 mount. The hood shall be designed to provide easy access to the fan and motor (one piece hood for sizes 18" to 36" and two piece hood for sizes 42" to 72"). The base shall be designed such that dampers can be easily installed without further modifications to the unit.

The fan portion of the unit shall consist of a steel orifice panel with cast aluminum, airfoil type propeller. The propeller shall be mounted directly to a totally enclosed air over, foot mounted, "T" frame motor. The propeller shall be secured to the shaft by a split taper bushing or a clamp block.

The units shall have lifting lugs provided as standard equipment. The hood shall be able to accommodate filters.

The design shall provide for complete protection from the elements for supply airflow. The fan assembly shall be placed in the upper section of the ventilator base with the propeller on the downside. The motor shall be located above the fan assembly and enclosed by the hood. The motor 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 in accordance with AMCA Standard 204, fan application category BV-3 (comparable to Grade G6.3). The 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 performance.

### **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.