



SERIES 16EH – GUIDE SPECIFICATION

HEAVY DUTY, BELTED HOODED ROOF VENTILATOR, EXHAUST

The Belted Hooded Roof Ventilator, Exhaust shall be manufactured by Hartzell Air Movement, Series 16E. 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 shall 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 shall be designed such that the 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 secured by a split taper bushing or a clamp block, to a ground and polished, carbon steel shaft.

The shaft shall be located and secured in foot mounted, pillow block type, and ball bearings. The prop shall be driven by a totally enclosed air over motor, through V-groove type pulleys and static resistant V-belts. The units shall have lifting lugs provided as standard equipment. Fixed pitch drives shall be standard.

The design shall provide for complete protection from the elements for exhaust airflow. The fan assembly shall be placed in the upper section of the ventilator base with the propeller on the downside. The motor, drives, bearings, belts, etc. shall be located above the fan assembly and shall be enclosed by the hood. 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 in accordance with AMCA Standard 204, fan application category BV-3 (comparable to 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 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.
- Slide Rails - Hood roller slide rails for sizes 42" and larger shall be available.