



## **SERIES 26 – GUIDE SPECIFICATION**

### **DIRECT DRIVE, UPBLAST, RECIRCULATING ROOF VENTILATOR**

The Direct Drive, Upblast, Recirculating Roof Ventilator, shall be manufactured by Hartzell Air Movement, Series 26. Standard sizes are 24" through 60". This unit shall be equipped with a 100% reversible airfoil propeller and shall be able to provide either exhaust or recirculating modes of ventilation. The ventilator package shall include a windband and damper section, and a drop through the roof, recirculating section.

The windband shall be constructed of minimum 20 gauge galvanized steel. Damper lids are constructed of galvanized steel as standard. Butterfly dampers open when the unit is on, in the exhaust mode, close weather-tight when the unit is off or in the recirculation mode.

The lower recirculating section (containing the fan and shutters, factory installed) is constructed of minimum 12 gauge hot rolled steel. Standard surface coating system shall be phosphatized surface preparation with an industrial grade air dry enamel paint. The recirculating shutters are back draft automatic shutters constructed of aluminum.

The reversible double orifice ring fan shall have a double airfoil design propeller, cast of 319 aluminum in compliance with Federal Specification QQ-A-601E and ASTM B26. The propeller shall be mounted in a high efficiency air seal fan orifice.

Propeller shall be retained on the motor shaft utilizing a split taper bushing or a clamp block arrangement.

Solid rolled rod motor mounts provide support for the motor. Motors shall be totally enclosed air over type.

The fan assembly 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. Fans 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 the latest revision of AMCA Standard 210 for air performance and AMCA Standard 300 for sound.

#### **ACCESSORIES:**

- Construction - Available in aluminum.
- Motors - Special motors are available upon request.
- Coatings - Special protective coatings are available upon request.
- Diffusers - 2 and 4-way diffusers are available for all sizes.
- Birdscreen - For installation in hood or throat section. Fabricated of 1/2" wire mesh.
- Adapter Bases - Slope or peak bases available. Specify slope per foot.
- Prefabricated Curbs - Available for flat, slope, or peak roof mounting. Curbs are designed for metal, concrete, or wood roof decks that are not surface insulated. Available either 8" or 12" high of galvanized or aluminum construction.
- Controls - For reversing motor. Reversal may be automatic or manual. Options include: Reversing starter or combination starter/disconnect switch (fused or unfused), control transformer, built in time delay capability and push button control station.