



## **SERIES 22F – GUIDE SPECIFICATION**

### **UTILITY FAN, STATIONARY, FLAT BASE**

The Utility Fan, Stationary, Flat Base, shall be manufactured by Hartzell Air Movement, Series 22F. Standard sizes are 20" through 36". The fan shall be a rugged heavy duty industrial design, with the Series 22 having an extra heavy base and tilt head. The fan shall be packaged, completely assembled and ready to install.

The utility fan propeller shall be an airfoil design, cast of 319 aluminum alloy in compliance with Federal Specification QQ-A-601E and ASTM B26. The propeller shall be guarded by OSHA approved guards and shall run in a solid ring with rolled angle tip seal.

The motors shall be totally enclosed air over continuous duty. Motors shall be mounted for easy maintenance.

Fan housing shall be minimum 14 gauge commercial quality carbon steel welded in compliance with AWS D1.1 standard. Standard surface coating system shall be phosphatized surface preparation with industrial grade air dry enamel paint.

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:**

- Tilting Heads - 45° up, 30° down.
- Flat Mounting Base - Series 22 only.
- Protective Coatings - Available alternate coatings include epoxy and inorganic zinc. Other specialty coatings may be available - **Consult Factory**.
- Motors - Special motors can be furnished upon request.