



SERIES 14 – GUIDE SPECIFICATION

DIRECT DRIVE REVERSIBLE RING FANS

The Direct Drive Reversible Ring Fan shall be manufactured by Hartzell Air Movement, Series 14. Standard sizes are 18" through 60". The fan shall be packaged, completely assembled and ready to install.

The reversible propeller shall be an airfoil design, cast of 319 aluminum in compliance with Federal Specification QQ-A-601E and ASTM B26. Propellers 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. All fractional motors shall be permanently lubricated, non-regreasable. Integral horsepower motors shall be supplied with regreasable bearings. Fans shall be designed for mounting in any position from horizontal to vertical.

The propeller shall be mounted in a high efficiency double fan orifice. Standard surface coating system shall be 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 in accordance with the latest revision of AMCA Standard 210 for air performance and AMCA Standard 300 for sound.

ACCESSORIES:

- Special Construction - Available in stainless steel.
- 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.
- Inlet/Outlet Guards - Concentric ring, expanded metal and woven wire guards.
- Shutter Mounting Boot - Available for mounting fans and manual or motor operated shutters.
- Flat Panels - For mounting ring fans to various sizes of wall openings or mounting boots.
- Wall Hoods - Heavy duty steel or aluminum for protecting the fan and building opening from the weather.