



SERIES 10S – GUIDE SPECIFICATION

BELTED, LOW SPEED, HIGH VOLUME RING FAN, STANDARD FLOW

The Belted, Low Speed, High Volume Ring Fan, Standard Flow, shall be manufactured by Hartzell Air Movement, Series 10S. Standard sizes are 72" through 144".

The belted, low speed, high volume ring fan 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 fan shaft utilizing a split taper bushing or a clamp block arrangement. The fan bearings shall be heavy duty, tapered roller bearings, selected for continuous service. The belts shall be oil, heat, and static resistant, sized for continuous duty. Fixed pitch drives shall be standard

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 steel angle ring. 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 in accordance with the latest revision of AMCA Standard 210 for air performance and AMCA Standard 300 for sound.

ACCESSORIES:

- 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 - Expanded metal and woven wire guards.
- Shutter Mounting Boot - Available for mounting fans and automatic, manual, or motor operated shutters.
- Flat Panel - For mounting to various sizes of wall openings or mounting boots.