



SERIES 02SH – GUIDE SPECIFICATION

HEAVY DUTY, DIRECT DRIVE PANEL FAN, STANDARD FLOW

The Direct Drive Panel Fan, Standard Flow shall be manufactured by Hartzell Air Movement, Series 02S. Standard sizes are 12" through 60". The fan shall be packaged, completely assembled and ready to install.

The panel fan propeller shall be an airfoil design, cast of 319 aluminum alloy 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 clamp block arrangement.

Solid rolled rod motor mounts shall provide support for the motor. Steel motor base and solid steel support rods shall be oversized to provide structurally rugged construction. A heavy gauge steel panel provides maximum mounting flexibility. Motors shall be totally enclosed air over type. All fractional motors are permanently lubricated, non-regreasable. Integral horsepower motors are 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 air seal fan orifice with the smaller diameter of the ring overlapping the propeller tips. Standard surface coating system shall be phosphatized surface preparation with an industrial grade air dry enamel paint.

The fan assembly 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). 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 laboratory in accordance with the latest revision of AMCA Standard 210 for air performance and AMCA Standard 300 for sound performance. Fans shall be licensed to bear the AMCA Certified Air Performance Rating Seal.

ACCESSORIES:

- Special Construction - Available in stainless steel, and aluminum.
- 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 Guard - Concentric ring, sheet metal and woven wire guards.
- Shutter Mounting Boot - Available for mounting fans and automatic, manual, or motor operated shutters.
- Wall Hoods - Heavy duty steel or aluminum for protecting the fan and building opening from the weather.
- Filter Boxes - For use with panel fans to filter supply air.
- Mounting Angle Flange - For mounting fans in wall openings.