

SERIES 03U GUIDE SPECIFICATION

BACKWARD CURVED UTILITY SET, SINGLE WIDTH

The belt drive Backward Curved Utility Set, Single Width shall be manufactured by Hartzell Air Movement, Series 03U, ARRG. 10 only. Rotation, as determined by the drive side of the fan, shall be clockwise or counter-clockwise. Fan housing, for sizes 10 through 30, shall be field rotatable and the discharge shall be any of the eight AMCA standard positions. The fan shall be AMCA type B, spark resistant construction. The fan shall be packaged, completely assembled and ready to install.

The fan housing and base shall be a heavy gauge commercial quality carbon steel suitable for temperatures up to 200° F. The housing shall be continuously welded in compliance with AWS D1.1 standards. The wheels shall be welded aluminum with single thickness airfoil blades and have non-overloading horsepower characteristics. The wheel shall be mounted to the fan shaft with a keyway and setscrews. The shafts shall be ground and polished. The fan bearings shall be heavy duty, self-aligning ball type, relubricable for continuous service. They shall have a minimum L10 life of 50,000 hours. The belts shall be oil, heat, and static-resistant type oversized for continuous duty. Lifting lugs are a standard feature, for ease of handling and installation.

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. The fan performance shall be based on tests conducted in Hartzell's AMCA accredited laboratory and conducted in accordance with the latest revision of AMCA Standard 210 for air performance and AMCA Standard 300 for sound. Fans shall be licensed to bear the AMCA Certified Sound and Air Performance Rating Seal.

ACCESSORIES:

- Motors - TEFC standard. OEDP and other special motors can be furnished upon request.
- Special Construction - Other material such as stainless steel and aluminum are available.
- Drain Pipe Coupling - Pipe coupling welded to the housing at its lowest point; female pipe with threaded plug.
- Access Door - For inspection and cleaning of wheel, bolted and gasketed, or a hinged, quick release type.
- Vibration Isolators Rails - Rubber-in-shear, spring type, and rail type are available.
- Bolt-On Flanges Inlet/Outlet - Available with or without mounting holes.
- Guards - Provides protection when unit is at a working level. Inlet and outlet guards are available.
- Weather Cover - Combines guarding of motor and drive as well as providing protection from the weather.
- Spark Resistant Construction - AMCA Type A is available.
- Coatings - Standard surface coating system shall be sandblasted surface preparation with industrial grade air dry enamel paint. Hot dipped galvanized, epoxy, inorganic zinc, and catalyzed coal tar epoxy coatings are available upon request.