

SERIES 52 GUIDE SPECIFICATION

TUBEAXIAL FAN, STEEL

The direct drive Tubeaxial Fan, Steel shall be manufactured by Hartzell Air Movement, Series 52. Standard sizes are 12" through 24". The fan shall be packaged, completely assembled and ready to install.

The tube axial propeller shall be an airfoil design, one-piece 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.

Fan sizes 14" through 24" with a 215T frame motor or smaller shall have self-formed flanges. All others have rolled steel flanges continuously welded to the steel drum. All flanges shall have slotted mounting holes. Rigid 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 and extended lubrication tubes and grease fittings. Blowers shall be designed for mounting in any position from horizontal to vertical.

Fan housings shall be minimum 12 gauge rolled commercial quality, carbon steel and continuously welded in compliance with AWS D1.1 standard. Standard surface coating system shall be industrial grade air dry enamel paint. This fan is suitable for temperatures up to 180° F.

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 with stainless steel housing.
- Protective Coatings - Hot dipped galvanized, Nupon epoxy, inorganic zinc, and catalyzed coal tar epoxy are available upon request.
- Motors - Explosion proof, chemical duty, high temperature, and other special motors can be furnished upon request.
- Inlet Bell - Minimizes inlet pressure losses, thus optimizing airflow.
- Inlet/Outlet Cone - Available for adapting fans to different size duct diameters.
- Inlet/Outlet Guard - Prevents access to rotating propeller.
- Companion Flanges - Mating flanges for fan.
- Access Door - For inspection of the propeller and motor.
- Mounting Feet - To facilitate floor, ceiling or wall mounting.
- Vibration Isolators (Horizontal or Vertical Mount) - Rubber-in-shear or spring type available.
- Isolator Brackets (Horizontal or Vertical) - Brackets used to mount vibration isolators.
- Sound Muffler - Provides attenuation of excessive noise.

- Lifting Lugs - Provides means to lift and handle fans.
- Extended Electrical Leads - Motor may be pre-wired with electrical leads extended to a watertight conduit box located on the exterior of the fan housing.