



SERIES 65 GUIDE SPECIFICATION

DIRECT DRIVE, ADJUSTABLE PITCH VANEAXIAL FAN

The Direct Drive, Adjustable Pitch Vaneaxial Fan shall be manufactured by Hartzell Air Movement, Series 65. Standard sizes are 35" through 79". The fan shall be a rugged two piece design. One section contains the propeller and motor. The second section contains the vanes. The fan shall be packaged, completely assembled and ready to install.

The adjustable pitch vaneaxial propeller shall be an airfoil design, 9-bladed, cast of 319 aluminum in compliance with Federal Specification QQ-A-601E and ASTM B26. The individual blades shall be secured to the hub with a lockwasher and nut. The blades can be quickly adjusted for future changes in capacity without removing the propeller from the motor shaft. Propellers shall be retained on the motor shaft utilizing a split taper bushing.

All sizes have rolled steel flanges continuously welded to the steel drum. All flanges have mounting holes. Rigid motor mounts provide support for the motor. Motors shall be totally enclosed air over type, foot mounted to provide easy replacement. Extended lube tubes and grease fittings shall be standard. Blowers shall be designed for mounting in any position from horizontal to vertical.

Fan housings shall be minimum 3/16" thick rolled commercial quality, carbon steel and continuously welded in compliance with AWS D1.1 standard. Standard surface coating system shall be phosphatized surface preparation with industrial grade air dry enamel paint. This fan is suitable for temperature 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.

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. Fans shall be licensed to bear the AMCA Certified Ratings Seal for Sound and Air Performance.

ACCESSORIES:

- Special Construction - Available in stainless steel, aluminum.
- Protective Coatings - Hot dipped galvanized, Nupon epoxy, inorganic zinc, and catalyzed coal tar epoxy are available upon request.
- Motors - Explosion proof, 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 for 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 shall be pre-wired with electrical leads extended to a watertight conduit box located on the exterior of the fan housing.