

VAX - VANEAXIAL FANS

The type VAX (vaneaxial) fan is defined by its name; an axial fan with stationary straightening guide vanes on the discharge side of the propeller. Design allows for a compact inline installation with high static pressure capabilities (relative to other axial fans) of up to 10 in wg.

VAX fans sturdy and rugged industrial construction make them well suited for heavy continuous duty industrial applications which include: VENTILATION SUPPLY & RETURN AIR, HEAT, FUME & SMOKE EXHAUST, HEATING, VENTILATING, COOLING AND PROCESS DRYING.

VAX fans incorporate one piece heavy gauge rolled steel inner and outer casings. Outer casings form a round smooth surface for efficient air passage and incorporate drilled flanges. Heavy gauge inner body drivetrain casing is supported by formed steel guide vanes. Motor supports are comprised of rigid formed steel plate with four corner adjustable motor table to insure proper belt tensioning and alignment, which results in maximum belt and bearing life.



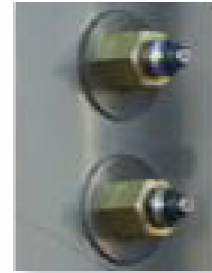
Offered in AMCA arrangements 4 (direct drive not show) and 9 (above). Standard belt guard for arrangement 9 (left) with a motor and drive weather cover feature optionally available (below).



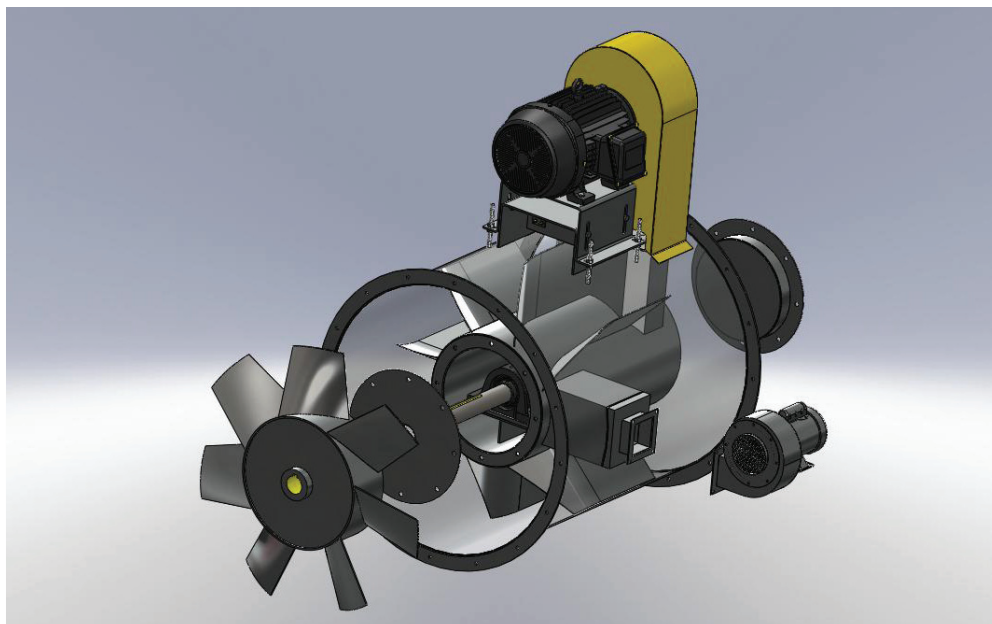
Aerodynamic die formed blades coupled with stationary guide vanes eliminate turbulence and recover rotational energy for improved efficiency, enhanced pressure capability and reduced noise.

Aluminum props are good to 250°F with mild and stainless steel impellers available for temperatures as high as 850°F. The VAX prop's steep characteristic curve extends the normal selection range to larger volumes without significant loss in pressure capability.

All units come standard with extended lube lines for easy access to grease zerks.



Versatile mounting in horizontal (above, middle) vertical (above, right), and angular positions with mounting brackets, feet and collars optionally available for each orientation to allow for ease of installation. Vertical configurations incorporate axial locking mechanisms for bearings and propeller..



Sealed belt tunnel and bearing tube protect the drivetrain assembly from contaminants in the airstream. Belt tunnel is accessible beneath the belt guard and bearing tube is accessible through inner body end tube caps. Guide vanes are welded to both the inner and outer body tubes providing rigidity and support that minimizes vibration and casing noise. For high temperature designs the bearing tube can be modified; VAX fan shown above has insulated bearing tube and belt tunnel along with an auxiliary cooling blower.