

Vanaire AMCA Certified Centrifugal Fans

Vanaire VC centrifugal fans provide high performance under the most severe duty conditions. Built for rugged service, each Vanaire fan features corrosion resistant wheels, OSHA approved belts and shaft guards, TEFC motors, belts and drives, flanged drain outlets and clean-out doors. Vanaire PVC and Solid-Fiber-glass Centrifugal Exhaust Fans are AMCA Certified in sizes up to 70,000 CFM.



Fan Housings: Vanaire VC fan housings are fabricated from solid fiberglass, Type II high impact PVC, or a dual laminate PVC/FRP overlay. OSHA approved shaft guard and belt guard, access door, scroll drain, collared inlet, flanged outlet, close tolerance inlet cones, and stainless steel hardware are standard.

Motors: Vanaire supplies premium efficiency motors as standard on all VC fans. Each motor is NEMA rated with a 1.15 service factor, totally enclosed, fan cooled and typically operates on 230/460V, 3-phase, 60-cycle power. Motors are mounted on an adjustable base on the side of the V-frame for Arrangement 49. Arrangement #1 mounts are standard for larger motors, 40 HP and up. Vanaire can also provide motor starters and safety disconnects.

Fan Frame: The Vanaire VC fan frame is constructed of corrosion-resistant, 1/4-inch thick (14-gauge or greater) steel that is epoxy primed and coated with a two part epoxy paint system. This paint system is a result of exhaustive testing by Vanaire to provide maximum weather and corrosion resistance.

Fan Wheels: Vanaire fan wheels are statically and dynamically balanced to within one mil vibration, peak to peak. The non-overloading reverse-inclined wheels are made of steel and coated with 75 mils of fiberglass for maximum quality and corrosion resistance. Optional coatings for specific applications include Kynar and chloral butyl rubber. Solid FRP wheels are also available.

Drives: VC Fan Drives are constant speed with a 1.15 service factor. Drives contain sufficient grooves for required operation using standard high-capacity V-belts. Adjustable drives are available as an option.

Bearings: Vanaire VC fans are equipped with the highest quality SEAL-MASTER GOLD, heavy duty pillow block bearings that are self-aligning and have a designed life of 100,000 hours, or more!