

AMCA & Greenheck for Vektor Laboratory Exhaust



About AMCA

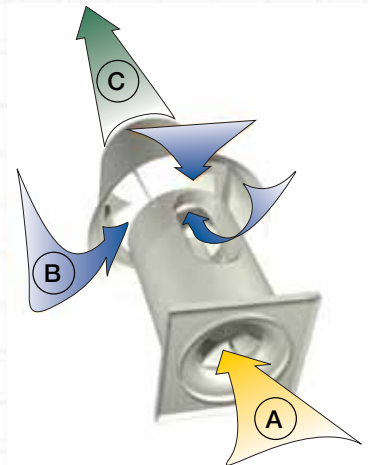
The Air Movement and Control Association International, Inc. (AMCA) is a not-for-profit international association of the world's manufacturers of related air system equipment – primarily, but not limited to: fans, louvers, dampers, air curtains, airflow measurement stations, acoustic attenuators, and other air system components for the industrial, commercial and residential markets.

AMCA International, backed by almost 80 years of standards development, is the world's leading authority in the development of the science and art of engineering as relates to air movement and air control devices. AMCA International publishes and distributes standards, references, and application manuals for specifiers, engineers, and others with an interest in air systems to use in the selection, evaluation, and troubleshooting of air system components.

AMCA International, with member companies and laboratories in many industrialized countries around the world, is active on the technical committees of the International Standards Organization (ISO), and participates in the development of international standards for the industry.



- A. Laboratory Exhaust (Effluent)
- B. Entrained Air
- C. Total Flow



AMCA 260 Standard



In 2005, at the request of industry consultants and laboratory end users, AMCA initiated an AMCA standard and certification committee to quantify the air entrained and total air discharged from high plume dilution, induced flow fan blowers.

Both the Greenheck Vektor-MD and Vektor-CD fans have certified performance and are licensed to bear the AMCA label.

Summary of AMCA Standards and Certification Programs

AMCA 210 - Fan Performance Test Standard

AMCA 211 - Certified Fan Performance Ratings Program

AMCA 260 - Induced Flow Test Standard & Certified Fan Performance Ratings Program

AMCA 300 - Sound Testing Standard

AMCA 311 - Certified Sound Ratings Program

AMCA Specification & Clarification

How your specifications are written is critical to ensure you receive AMCA certified equipment on your projects.



✗ Incorrect: "Laboratory exhaust fan systems shall be tested in accordance with AMCA Standard 210 or 260."

This statement basically states that fans shall be tested in accordance with an AMCA standard, but does not state that the performance be certified and the fans are AMCA Licensed.



✓ Correct: "Laboratory exhaust fan systems shall be tested in accordance with AMCA Standard 210 or 260, and are licensed to bear the AMCA Certified Ratings Seal."

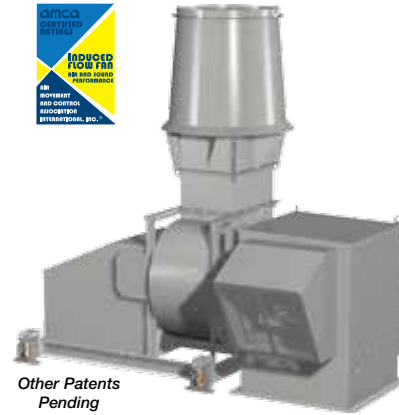
This statement states that fans shall be tested in accordance with an AMCA standard, performance be certified and bear the AMCA Ratings Seal."



VEKTOR™ Family of Lab Exhaust Systems



Other Patents Pending



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	Vektor-H	Vektor-MD	Vektor-CD
Housing Style	Inline Centrifugal	Inline Mixed Flow	Centrifugal
Stack Style	High Plume Nozzle	High Plume Dilution Nozzle	High Plume Dilution Nozzle
Minimum Flow	270 cfm (459 m ³ /hr)	1,500 cfm (2,549 m ³ /hr)	500 cfm (850 m ³ /hr)
Maximum Flow	24,000 cfm (40,776 m ³ /hr)	80,000 cfm (135,921 m ³ /hr)	140,000 cfm (237,862 m ³ /hr)
Maximum ESP	Up to 3.5 in. wg (875 Pa)	Up to 8 in. wg (2000 Pa)	Up to 14 in. wg (3500 Pa)
Underwriters Laboratories	UL/cUL Listed for Electrical 705 (File no. 40001) and UL Listed for Grease Removal 762 Power Ventilators for Restaurant Exhaust Appliances (File no. MH11745)	UL/cUL Listed for Electrical 705 (File no. 40001)	UL/cUL Listed for Electrical 705 (File no. 40001)
AMCA Certification	Sound and Air Performance	Induced Flow Fan Air and Sound Performance	Induced Flow Fan Air and Sound Performance
Warranty	1 Year	1 or 3 Years	1 Year
Patents	—	United States: 7320636, 7682231, 7048499 Singapore: 124135, 124106 Mexico: 258949, 243465 P.R. China: 20058006160.6, 01813109.3 Hong Kong: 1114659	United States: 7547249 Singapore: 124105

Our Warranty

Greenheck warrants this equipment to be free from defects in material and workmanship for a period of either 1 or 3 years from the shipment date depending on the model and warranty period selected. Any units or parts which prove defective during the warranty period will be replaced at our option when returned to our factory, transportation prepaid. Motors are warranted by the motor manufacturer for a period of one year. Should motors furnished by Greenheck prove defective during this period, they should be returned to the nearest authorized motor service station. Greenheck will not be responsible for any removal or installation costs.

As a result of our commitment to continuous improvement, Greenheck reserves the right to change specifications without notice.



Prepared to Support Green Building Efforts

