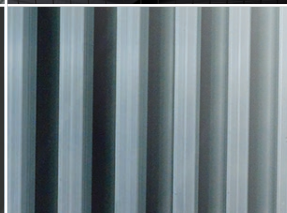
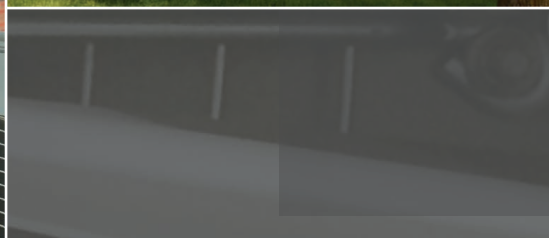


AMCA INTERNATIONAL LABORATORY NETWORK

The International Authority on Air System Components Since 1917

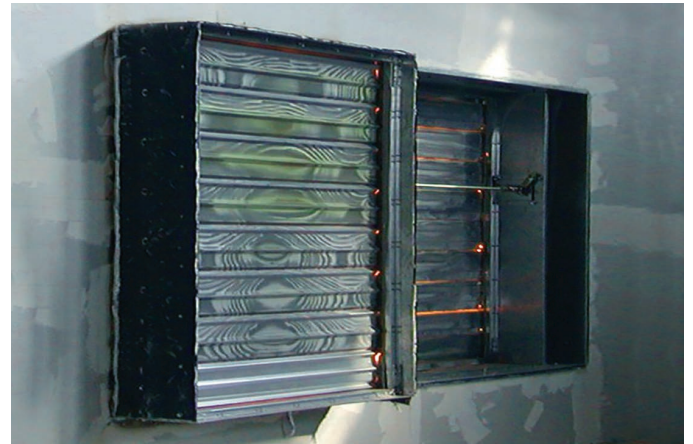
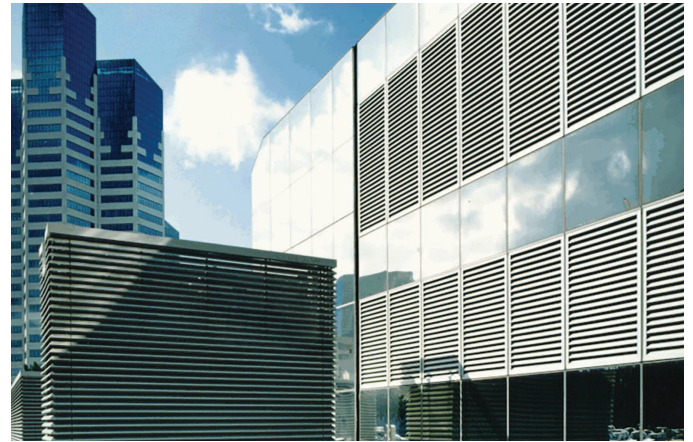


ABOUT **AMCA**

The Air Movement and Control Association (AMCA) International, a not-for-profit association of air system equipment manufacturers, is regarded worldwide as the authority on air system components.

Upon its creation in 1917, AMCA articulated a mission: to advance the health, growth and integrity of the air systems industry. A century later, that mission remains the same. In fact, AMCA now works harder than ever to effect positive change. The association offers third-party testing to bolster market integrity. It provides thought leadership to code councils and regulatory bodies. And it evaluates new technologies as they emerge, allowing system designers to more accurately predict performance in the field.

What has changed since AMCA's inception is its regional focus. Though the organization was founded in the United States, AMCA has expanded to become truly international. It now has over 360 member companies, which includes 172 in the Americas, 135 in Asia, 26 in Europe and 23 in the Middle East. So while AMCA's mission remains unchanged, its potential to advance the industry is greater than it has ever been.



AMCA INTERNATIONAL LABORATORY

AMCA understands the importance of having state-of-the-art facilities catering to the needs of both the members and the members' customers, and the lab's physical space is representative of its importance to the association. The AMCA laboratory takes up a full three-fourths of AMCA headquarters' square footage. It is in the laboratory that the association performs its most valued services: testing and certifying air movement and control products. The AMCA laboratory has the capability to test fans, louvers, dampers, air curtains, power roof ventilators, positive pressure ventilators and airflow measurement stations. It tests for various kinds of efficiencies, leakages and stability beyond air and sound performance.

Standard Designation	Standard Title	Type of Standard	Test Location
ANSI/AMCA 210	Laboratory Methods of Testing Fans for Certified Aerodynamic Performance Rating	Air Movement	AMCA International, Asia AMCA, KTC
ANSI/AMCA 220	Laboratory Methods of Testing Air Curtains for Aerodynamic Performance Ratings	Air Movement	AMCA International
ANSI/AMCA 230	Laboratory Methods of Testing Air Circulating Fans for Rating and Certification	Air Movement	AMCA International
ANSI/AMCA 240	Laboratory Methods of Testing Positive Pressure Ventilators for Aerodynamic Performance Rating	Air Movement	AMCA International
ANSI/AMCA 260	Laboratory Methods of Testing Induced Flow Fans for Rating	Air Movement	AMCA International
ANSI/AMCA 300	Reverberant Room Method for Sound Testing of Fans	Air Movement	AMCA International, Asia AMCA, KTC
ANSI/AMCA 500-D	Laboratory Methods of Testing Dampers for Rating	Air Control	AMCA International, Asia AMCA
ANSI/AMCA 500-L	Laboratory Methods of Testing Louvers for Rating	Air Control	AMCA International, Thomas Bell-Wright (Sand Louvers Only)
ANSI/AMCA 540	Test Method for Louver Impacted by Wind Borne Debris	Air Control	AMCA International
ANSI/AMCA 610	Laboratory Methods of Testing Airflow Measurement Stations for Performance Rating	Air Movement	AMCA International
AHRI 430	Performance Rating of Central Station Air-Handling Units	Air Movement	AMCA International
ASTM E90	Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements	Air Control	AMCA International
ENERGY STAR	ENERGY STAR Program Requirements for Residential Ventilating Fans	Air Movement	AMCA International
ISO 5801	Industrial Fans – Performance Testing Using Standardized Airways	Air Movement	CETIAT
ISO 13347-3	Determination of Fan Sound Power Levels Under Standardized Laboratory Conditions	Air Movement	AMCA International, CETIAT

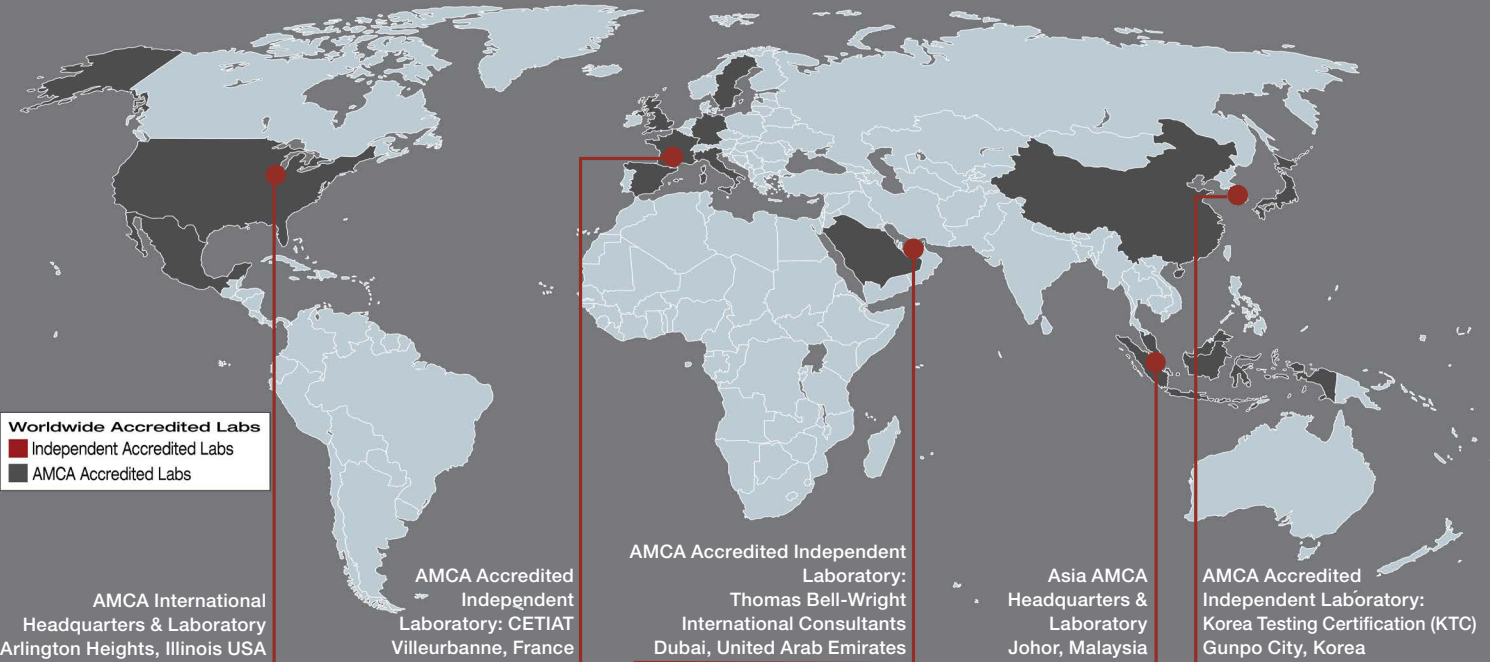
* Non-standard or contract tests can be performed to meet customer requirements when within the capabilities of AMCA Internationals facilities.

INTERNATIONAL LABORATORY NETWORK

Maintaining a reliable, independent protocol for testing equipment is a vital part of AMCA's mission. AMCA testing procedures and services provide purchasers, specifiers and users with reliable and accurate information. This leads to safe and efficient air systems in buildings all over the world. AMCA laboratories are run by experts in the field. They are designed with the latest equipment, ensuring consistent results. The AMCA headquarters laboratory operating out of Chicago, USA, is an ENERGY STAR® approved test laboratory and is A2LA (ISO 17025) accredited. It is the standard to which all AMCA's accredited independent laboratories, located in France, United Arab Emirates, Malaysia and South Korea, are calibrated.



The AMCA laboratory network continues to expand throughout the world, with over 50 accredited labs spanning 16 countries. Qualified corporations—whether AMCA members or not—are eligible to become an accredited lab. To learn more, visit www.amca.org/pdf/accreditationsteps.pdf



AMCA LABORATORY ACCREDITATION

AMCA allows qualified members and independent laboratories to test products in accordance with Certified Rating Program test methods or other test methods recognized by AMCA. To become an accredited laboratory, all applicants must complete the procedures and guidelines found in the most current version of AMCA Publication 111, *Laboratory Accreditation Program* (the four main steps to accreditation are shown below). Once certified, accreditation lasts for a period of three years. The licensee is required to maintain quality equipment and test procedures throughout the accreditation period. AMCA has accredited more than 50 laboratories worldwide.

01. Initial Application – Applicant submits completed *LAP-2 - Application for Laboratory Accreditation* form to AMCA

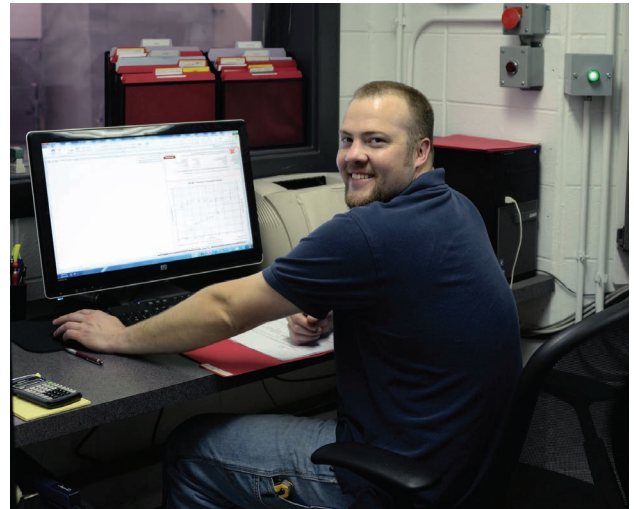
02. Documentation Submission – Applicant submits required documentation to AMCA

03. Witness Test – A product selected by AMCA is tested at the applicant's laboratory with AMCA staff in attendance

04. Check Test – AMCA verifies results via retests conducted at the AMCA laboratory

TESTING STANDARDS

AMCA testing standards are referenced in engineering specifications worldwide. They are approved by the American National Standards Institute (ANSI), and most methods of AMCA test standards are harmonized with International Organization for Standardization (ISO). AMCA's standards provide the air system industry with essential peer-vetted resources. Contained within the AMCA document library are recommended practices for energy efficiency, parameters for laboratory testing and much more. AMCA standards are continually revised to accommodate changing codes and regulations. Engineers continue to refine each AMCA document to reflect current best practices.



www.amca.org/testing

RESOURCES

AMCA International Headquarters and Laboratory

www.amca.org

AMCA White Papers

www.amca.org/whitepapers

CRP Publications (no cost) and Standards (cost)

www.amca.org/store

Searchable CRP Database of AMCA Certified Products

www.amca.org/certified-listed/cpsearch.php



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