

AMCA Publication 111-13

Laboratory Accreditation Program



**AIR MOVEMENT AND CONTROL
ASSOCIATION INTERNATIONAL, INC.**

The International Authority on Air System Components

AMCA Publication 111-13

Laboratory Accreditation Program



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AMCA Publications

Authority

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The 2013 edition adds ISO 5136:2003 and ANSI/ASHRAE/SMACNA 126-2008 to the list of recognized test standards contained in Annex A.

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Related AMCA Documents

Related AMCA Standards and Publications

Related Standards

ANSI/AMCA 210	<i>Laboratory Methods of Testing Fans for Rating</i>
ANSI/AMCA 220	<i>Test Methods for Air Curtain Units</i>
ANSI/AMCA 230	<i>Laboratory Methods of Testing Air Circulating Fans for Rating and Certification</i>
ANSI/AMCA 240	<i>Laboratory Methods of Testing Positive Pressure Ventilators for Aerodynamica Performance Rating</i>
ANSI/AMCA 250	<i>Laboratory Methods of Testing Jet Tunnel Fans for Performance</i>
AMCA 260	<i>Laboratory Methods of Testing Induced Flow Fans for Rating</i>
ANSI/AMCA 300	<i>Reverberant Room Method for Sound Testing of Fans</i>
ANSI/AMCA 320	<i>Laboratory Method of Sound Testing of Fans Using Sound Intensity</i>
ANSI/AMCA 500-D	<i>Laboratory Methods of Testing Dampers for Rating</i>
ANSI/AMCA 500-L	<i>Laboratory Methods of Testing Louvers for Rating</i>
ANSI/AMCA 510	<i>Methods of Testing Heavy Duty Dampers for Rating</i>
ANSI/AMCA 520	<i>Laboratory Methods for Testing Actuators</i>
ANSI/AMCA 610	<i>Methods for Testing Airflow Measurement Stations for Rating</i>

Related AMCA Publications

AMCA 11	<i>Certified Ratings Program Operating Manual</i>
AMCA 211	<i>Certified Ratings Program - Air Performance</i>
AMCA 311	<i>Certified Ratings Program - for Air Moving Devices</i>
AMCA 511	<i>Certified Ratings Program - Product Rating Manual for Air Control Devices</i>
AMCA 611	<i>Certified Ratings Program – Airflow Measurement Performance</i>
AMCA 1011	<i>Certified Ratings Program - Product Rating Manual for Acoustical Duct Silencers</i>

AMCA Application and Submittal Forms with AMCA Publication 111

LAP2	Application for Accreditation of Laboratory
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Laboratory Accreditation Program

1. Purpose

The purpose of the AMCA Laboratory Accreditation Program is to provide a means for laboratories to be qualified for testing of products in accordance with appropriate AMCA standard test methods or other test methods recognized by AMCA.

2. Scope

2.1 Laboratories

The AMCA Laboratory Accreditation Program applies to laboratories capable of testing in accordance with the test standards listed in Annex A.

2.2 Eligible licensees

Any person, firm, or corporation, whether a member of AMCA or not, that maintains a laboratory for testing of products in accordance with one or more of the test standards listed in Annex A shall be eligible to participate in this program.

3. Definitions

3.1 AMCA

The Air Movement and Control Association International, Inc., a non-profit corporation organized under the laws of the state of Michigan, U.S.A., having its principal office at 30 West University Drive, Arlington Heights, Illinois 60004-1893 U.S.A

An AMCA Accredited Laboratory is a laboratory that has been accredited in accordance with AMCA Publication 111 Laboratory Accreditation Program. An accredited laboratory may be owned and operated by a certified ratings Licensee or by an independent individual or organization.

3.2 The AMCA Laboratory

The association's laboratory in Arlington Heights, Illinois, U.S.A. Other **Independent Accredited Laboratories** may be designated as an AMCA Laboratory by the Board of Directors for the purposes of performing pre-certification tests, check tests and challenge tests under AMCA's Certified Ratings Program.

3.3 License

A legal contract between AMCA and a person, firm or corporation that authorizes participation in the AMCA Laboratory Accreditation Program. The AMCA Laboratory Accreditation Program License is in Annex E of this document.

3.4 Licensee

A person, firm or corporation that entered into a License Agreement with AMCA in accordance with the requirements of this program.

3.5 Shall and should

The word "shall" is understood to be a mandatory requirement, and the word "should" is understood to be advisory.

4. Procedure for Obtaining the Certificate of Accreditation

4.1 Application

Application for obtaining a license for a laboratory is made by completing form LAP-2 (Application for Laboratory Accreditation; see Annex F). The application is to be completed and sent to AMCA along with the data required in Section 4.2. The application shall be reviewed by AMCA staff and the applicant notified, if necessary, of any changes or further information required to comply with the Laboratory Accreditation Program.

4.2 Documentation submittal requirements

The following shall be submitted with the LAP-2 application form:

4.2.1 Application fee

4.2.2 Dimensioned drawing of the laboratory showing the location of the test setup.

4.2.3 Dimensioned drawing of the test setup indicating the critical dimensions specified in the applicable test standard.

4.2.4 A complete list of instruments being used by the Applicant for testing in accordance with the applicable standard. Each instrument shall be completely identified as to manufacturer, model number and serial number, and shall indicate how the instrument is used in the laboratory.

4.2.5 Catalog information for each instrument indicating that the instrument meets the requirements of the applicable test standard.

4.2.6 A copy of the current calibration record for each instrument.

4.2.7 Other documentation required by the test standard that shows that the laboratory test setup or space meets