

# AMCA Publication 111-99 (R2007) (Rev. 10/08)

## Laboratory Accreditation Program



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

The International Authority on Air System Components

## AMCA PUBLICATION 111-99 (R2007) (Rev. 10/08)

### Laboratory Accreditation Program



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## Authority

This edition of Publication 111 includes revisions adopted by the membership on or before October 15, 1999. Exceptions to this are Sections A.2.7, B.2.4, and B.4.1, which were adopted 14 January, 2001 and became effective 1 February, 2001. The August 2007 changes were adopted by the AMCA Membership on July 28, 2007. The entire document was reaffirmed on October 20, 2007. The October, 2008 revision added Section A.2.8.

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## **Related AMCA Standards and Publications**

### **Related Standards**

ANSI/AMCA 210 *Laboratory Methods of Testing Fans for Rating*

AMCA 220 *Test Methods for Air Curtain Units*

AMCA 300 *Reverberant Room Method for Sound Testing of Fans*

ANSI/AMCA 500-D *Laboratory Methods of Testing Dampers for Rating*

ANSI/AMCA 500-L *Laboratory Methods of Testing Louvers for Rating*

ANSI/AMCA 610 *Methods for Testing Airflow Measurement Stations for Rating*

### **Related AMCA Publications**

AMCA 211 *Certified Ratings Program Air Performance*

AMCA 261 *Directory of Products Licensed to Bear the AMCA Seal*

AMCA 262 *Directory of Agricultural Products with Certified Ratings*

AMCA 311 *Certified Sound Ratings Program for Air Moving Devices*

AMCA 511 *Certified Ratings Program for Air Control Devices*

AMCA 611 *Certified Ratings Program – Airflow Measurement Performance*

### **AMCA Application and Submittal Forms with AMCA Publication 111**

LAP2 *Application for Accreditation of Laboratory*

## TABLE OF CONTENTS

<b>1. Purpose</b>	1
<b>2. Scope</b>	1
2.1 Laboratories	1
2.2 Eligible licensees	1
<b>3. Definitions</b>	1
<b>4. Procedure for Obtaining the Certificate of Accreditation</b>	1
4.1 Application	1
4.2 Documentation submittal requirements	1
4.3 AMCA Staff review of laboratory documentation	2
4.4 Witnessed accreditation test at applicant's laboratory	2
4.5 AMCA Check test	2
4.6 AMCA Staff's review of applicant's test report	2
4.7 Submittal of final test report and license fee	2
4.8 AMCA Staff review of final test report	3
<b>5. Maintaining the Certificate of Accreditation</b>	3
<b>6. Accreditation Period</b>	3
<b>7. Accreditation Renewal</b>	3
7.1 Renewal notice	3
7.2 Submittal requirements	3
7.3 AMCA check test	3
7.4 AMCA Staff review of licensee's test report and documentation	4
7.5 Expiration of accreditation	4
7.6 AMCA Staff laboratory accreditation visits	4
<b>8. Reaccreditation</b>	4
<b>9. Reference to Amca Accredited Laboratory</b>	4
9.1 Literature or advertisement	4

9.2 Individual test data .....	4
9.3 Other statements .....	4
<b>10. Charges .....</b>	<b>5</b>
10.1 Fee schedule .....	5
10.2 Application fee .....	5
10.3 Witness test fees .....	5
10.4 Staff travel time and travel expenses .....	5
10.5 Annual license fee .....	5
10.6 Laboratory accreditation check test fee .....	5
<b>11. Administration .....</b>	<b>5</b>
11.1 Administrator .....	5
11.2 Registration of complaints .....	5
11.3 Confidentiality .....	5
<b>12. Appeals and Settlement of Disputes .....</b>	<b>5</b>
12.1 Appeals procedure .....	5
12.2 Settlement of disputes .....	5
<b>13. Changes to the Program .....</b>	<b>5</b>
<b>Annex A. Recognized Test Standards .....</b>	<b>6</b>
<b>Annex B. Check Test Tolerances .....</b>	<b>7</b>
<b>Annex C. Check Test Requirements .....</b>	<b>9</b>
<b>Annex D. Certificates .....</b>	<b>11</b>
<b>Annex E. License Agreement .....</b>	<b>12</b>
<b>Annex F. Forms .....</b>	<b>16</b>

# 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.