



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

30 West University Drive
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CHECKLIST: AIR PERFORMANCE CATALOGS

CATALOG IDENTIFICATION _____ DATE OF CATALOG _____

I. SEAL USAGE IN CATALOGS

A. Pick the correct AMCA Seal: [check all that apply]

- Air Performance
- Sound and Air Performance
- CFM/Watt Air Performance
- Positive Pressure Ventilator Air Performance
- Efficiency Air Performance
- Efficiency Sound and Air Performance
- Induced Flow Fan Air Performance
- Induced Flow Fan Air and Sound Performance
- Smoke Management Fan Performance
- Smoke Management Fan Performance Reversible Operation

B. Placement of AMCA Seal: [check all that apply]

- 1. If the catalog contains all licensed products, the seal and qualifying statement shall be prominently displayed either on the cover or in the catalog.
- 2. If the catalog contains both licensed and unlicensed products, the AMCA Seal and qualifying statement shall not be shown on the outside cover.
- 3. In addition, the AMCA Seal may be shown on any page with licensed performance data.

C. Reproduction of AMCA Seal in Catalogs

- 1. Size: No reproduction of the AMCA International Certified Ratings Seal in published material shall be larger than 42 mm x 70 mm (1 5/8 in. x 2 3/4 in.), unless the AMCA International staff gives specific permission.
- 2. Color: When using one color reproduction, black is preferred. If light colored paper is used, regard it as white for this purpose. The full color AMCA Seal may be used. The CRP Manager will email reproductions of the AMCA Seal for use in the catalog upon request.

D. Member Logo

- Other than the AMCA International Certified Ratings Seal, no logo or mark incorporating the acronym AMCA International or initials A.M.C.A. such as the member logo shall be reproduced in any catalog or publication containing performance ratings of any kind.



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II. QUALIFYING STATEMENT ADJACENT TO THE SEAL

- In catalogs containing ratings of licensed products, the following statement shall be printed prominently and immediately adjacent to the reproduction of the AMCA Certified Ratings Seal as required by I.B:

"(Licensee's name as shown on License Agreement) certifies that the (product description) shown herein is (or are) licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 (and AMCA Publication 311 if sound is also certified) and comply with the requirements of the AMCA Certified Ratings Program."

III. CATALOG IDENTIFICATION REQUIREMENTS

- Catalogs containing performance ratings of licensed products shall be provided with a catalog identification reference, and the month and year of publication shall be spelled out, e.g. "November 2004," on the outside front or outside back cover of the product catalog.
- The catalog identification may be any combination of letters and/or numbers. Where ratings are on separate sheets or on loose leaf that may be removed from the cover, each sheet or loose leaf shall be identified and dated as above. The final printed catalog shall have a current date.

IV. EFFICIENCY

The following statement shall be shown immediately adjacent to the efficiency ratings:

- Efficiency ratings are fan static (or fan total) and include (or exclude) bearing and/or Power Transmission Losses.

V. REQUIREMENTS FOR AIR PERFORMANCE

Rating Method (see last page of Publication 211 to determine rating method) [check one]

- | | | | | | |
|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| <input type="checkbox"/> A | <input type="checkbox"/> B | <input type="checkbox"/> C | <input type="checkbox"/> D | <input type="checkbox"/> E | <input type="checkbox"/> F |
| <input type="checkbox"/> G | <input type="checkbox"/> H | <input type="checkbox"/> I | <input type="checkbox"/> J | <input type="checkbox"/> K | <input type="checkbox"/> L |

Determine the rating method and then check the appropriate statements to be used. The statements shall be shown immediately adjacent to the rating tables, graphs or charts.

A. Rating Method "A" (Constant Speed, Transmission Loss Not Included)

The performance ratings for each model number shall include:

- Airflow rate
- Static pressure and/or total pressure
- Fan input power



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- Impeller speed
- Inlet air density (if other than standard air)
- Fan static and/or fan total efficiency (optional)

Required Statements:

- 1. Power rating (watts, kW or BHP) does not include transmission losses.
- 2A. Performance ratings do not include the effects of appurtenances (accessories).

or

- 2B. Performance ratings include the effects of [*list appurtenances here*].

B. Rating Method "B" (Constant Speed, Transmission Losses Included)

The performance ratings for each model number shall include:

- Airflow rate
- Static pressure and/or total pressure
- Fan input power
- Impeller speed
- Inlet air density (if other than standard air)
- Fan static and/or fan total efficiency (optional)

Required Statements:

- 1. Power rating (watts, kW or BHP) includes transmission losses.
- 2A. Performance ratings do not include the effects of appurtenances (accessories).

or

- 2B. Performance ratings include the effects of [*list appurtenances here*].



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C. Rating Method "C" (As Run Speed, Transmission Losses Included, Low Slip Motor)

The performance ratings for each model number shall include:

- Airflow rate
- Static pressure and/or total pressure
- Maximum fan input power over the range catalogued, or fan input power at the stated duty
- Actual impeller speed at each point of ratings or a nominal speed
- Inlet air density (if other than standard air)
- Fan static and/or fan total efficiency (optional)

Required Statements:

- 1. Power rating (watts, kW or BHP) includes transmission losses.
- 2. Speed (RPM or RPS) shown is nominal. Performance is based on actual speed of test. *Use this statement only when nominal speed is catalogued.*
- 3A. Performance ratings do not include the effects of appurtenances (accessories).

or

- 3B. Performance ratings include the effects of [*list appurtenances here*].

D. Rating Method "D" (Direct Drive, Constant Speed, Low Slip Motor)

The performance ratings for each model number shall include:

- Airflow rate
- Static pressure and/or total pressure
- Maximum fan input power over the range catalogued, or fan input power at the stated duty, or maximum motor input watts, voltage and frequency over the range catalogued, or motor input watts, voltage, and frequency at the state duty
- Impeller speed
- Inlet air density (if other than standard air)
- Fan static and/or fan total efficiency (optional)



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Required Statements:

- 1A. Performance ratings do not include the effects of appurtenances (accessories).

or

- 1B. Performance ratings include the effects of [*list appurtenances here*].

E. Rating Method "E" (Direct Drive, As Run Speed, Low Slip Motor)

The performance ratings for each model number shall include:

- Airflow rate
- Static pressure and/or total pressure
- Maximum fan input power over the range catalogued, or fan input power at the stated duty, or maximum motor input watts, voltage and frequency over the range catalogued, or motor input watts, voltage, and frequency at the stated duty
- Actual impeller speed at each point of rating or a nominal speed
- Inlet air density (if other than standard air)
- Fan static and/or fan total efficiency (optional)

Required Statements:

1. Speed (RPM or RPS) shown is nominal. Performance is based on actual speed of test. *Use this statement only when nominal speed is catalogued.*

- 2A. Performance ratings do not include the effects of appurtenances (accessories).

or

- 2B. Performance ratings include the effects of [*list appurtenances here*].

F. Rating Method "F" (Direct Drive, As Run Speed, High Slip Motor)

The performance ratings for each model number shall include:

- Airflow rate
- Static pressure
- Maximum motor input watts, voltage and frequency over the range catalogued, or motor input watts, voltage, and frequency at the stated duty (optional if less than 500 watts)



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- Actual impeller speed at each point of rating or nominal speed
- Inlet air density (if other than standard air)
- Fan static and/or fan total efficiency (optional)

Required Statements:

- 1. Speed (RPM or RPS) shown is nominal. Performance is based on actual speed of test. *Use this statement only when nominal speed is catalogued.*
- 2A. Performance ratings do not include the effects of appurtenances (accessories).

or

- 2B. Performance ratings include the effects of [*list appurtenances here*].

G. Rating Method "G" (Air Curtains)

The performance ratings for each model number shall include:

- Airflow rate
- Average outlet velocity
- Motor input power, voltage, and frequency
- Outlet velocity uniformity
- Inlet air density (if other than standard air)
- Fan static and/or fan total efficiency (optional)

Required Statements:

- 1. The AMCA Certified Ratings Seal applies to airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection and power rating at free delivery only.
- 2. Rated data shown are only for base (unheated) units, as shown.
- 3. Performance data obtained from the correction factors shown herein are only an approximation and shall not be considered as part of the AMCA Certified Ratings.



H. Rating Method "H" (Direct Drive, Jet Tunnel Fan, As Run Speed)

The performance ratings for each model number shall include:

- Airflow rate
- Nominal impeller speed
- Thrust (N or lb_f)
- Thrust/fan input power (N/kw or lb_f/bhp)

Required Statements:

- 1. The AMCA Certified Ratings Seal applies to airflow rate at free delivery only. Speed (rps or rpm) shown is nominal. Performance is based on actual speed of test.
- 2. Performance ratings include the effect of [*list appurtenances here*].

I. Rating Method "I" (Agricultural Fan, As Run Speed, Transmission Losses Included, Low Slip Motor)

The performance ratings for each model number shall include:

- Airflow rate at 10 Pa (0.05 in. wg) and 30 Pa (0.125 in. wg) static pressure (Ratings at other static pressures are optional)
- Actual impeller speed at each point of rating or a nominal speed
- Airflow rate/motor input power (m³/s/watt or cfm/watt)
- Motor nameplate voltage and frequency
- Motor manufacturer and model number for all motors listed for use on the fan
- Inlet air density (if other than standard air)

Required Statements:

- 1. Speed (rpm or rps) shown is nominal. Performance is based on actual speed of test.
- 2. Performance ratings include the effect of [*list appurtenances here*].

J. Rating Method "J" (Direct Drive, PPV, As Run Speed)

The performance ratings for each model number shall include:

- Airflow rate



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- Impeller speed
- Setback distance
- Tilt angle
- Motor/engine manufacturer and model number (for all motors/engines listed for use on the PPV)

Required Statements:

- 1. Performance ratings include the effect of *[list appurtenances here]*.

K. Rating Method "K" (Direct Drive, Circulator Fan, As Run Speed)

The performance ratings for each model number shall include:

- Airflow rate
- Nominal impeller speed
- Airflow rate/motor input power ($m^3/s/watt$ or $cfm/watt$)
- Motor nameplate voltage and frequency

Required Statements:

- 1. The AMCA Certified Ratings Seal applies to airflow rate at free delivery only.
- 2. Speed (rpm or rps) shown is nominal. Performance is based on actual speed of test.
- 3. Performance ratings include the effect of *[list appurtenances here]*.

L. Rating Method "L" (Induced Flow Fans)

The performance ratings for each model number shall include:

- Inlet airflow rate
- Fan static pressure
- Fan input power
- Impeller speed
- Inlet air density (if other than standard air)



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- Fan static efficiency (optional)
- Outlet airflow rate
- Outlet area
- Nozzle velocity (Inlet airflow rate divided by nozzle discharge area)

Required Statements:

- 1. Power rating (watts, kW, or bhp) does not include transmission losses.
- 2. Performance ratings do not include the effects of cross winds.
- 3A. Performance ratings do not include the effects of appurtenances (accessories).

Or

- 3B. Performance ratings include the effects of [list appurtenances here]:

M. Duct Statement

Installation Method [this is different from the rating method; see test report for installation method; check one]

For all rating methods, one of the following statements shall be shown immediately adjacent to the rating tables, graphs and charts:

- A Performance certified is for installation type A – Free inlet, Free outlet.
- B Performance certified is for installation type B – Free inlet, Ducted outlet.
- C Performance certified is for installation type C – Ducted inlet, Free outlet.
- D Performance certified is for installation type D – Ducted inlet, Ducted outlet.
- A & C Performance certified is for installation type A & C – Free or ducted inlet, Free outlet.
- B & D Performance certified is for installation type B & D – Free or ducted inlet, Ducted outlet.

Note: Air curtains and air circulator fans do not require a duct statement.

VI. ADDITIONAL REQUIREMENTS FOR AIR CURTAINS

- The velocity projection at standard inlet air density for one size of each product line shall be stated in the form of a table. The distance from the nozzle will be listed with the average core velocity.

VII. ADDITIONAL REQUIREMENTS FOR AGRICULTURAL FANS

- Each fan appurtenance(s) (accessories) assembly shall have a distinct model number different from one without appurtenance(s) (accessories) or with a different group of appurtenance(s) (accessories).



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VIII. ADDITIONAL REQUIREMENTS FOR POSITIVE PRESSURE VENTILATORS

- Each PPV appurtenance(s) (accessories) assembly shall have a distinct model number different from one without appurtenance(s) (accessories) or with a different group of appurtenance(s) (accessories).

IX. ADDITIONAL REQUIREMENTS FOR CIRCULATOR FANS

- Each fan-appurtenance(s) (accessories) assembly shall have a distinct model number different from one without appurtenance(s) (accessories) or with a different group of appurtenance(s) (accessories).

X. ADDITIONAL REQUIREMENTS FOR INDUCED FLOW FANS

- When electrical input power is cataloged, the tested motor shall be operated at the catalog voltage and frequency, or where a voltage range is stated, it shall be the mean voltage. In addition, the temperature of the motor winding has to be stable for each tested operating point.

XI. MISCELLANEOUS ITEMS FOR ALL CATALOGS

- Where the ratings of licensed products are on the same page or "spread" as nonlicensed products, a clear physical separation and statement shall differentiate licensed products from nonlicensed products.

- Nonlicensed Sound Rating Statement

Where sound ratings of a product which is not licensed to use the AMCA Certified Ratings Seal for Sound and Air are shown with licensed air performance ratings adjacent to the sound ratings, the following prominent statement shall be shown adjacent to the ratings:

"The AMCA Certified Ratings Seal applies to air performance ratings only."

- Partial Series of Sizes

When only a portion of a cataloged series of sizes are licensed, at least a majority of the sizes cataloged shall be licensed.

- The use of asterisks or similar marks to distinguish licensed products from nonlicensed products is unacceptable.
- In connection with nonlicensed products, the use of any phrase that is liable to be misinterpreted to mean that such products are licensed to use the AMCA International Certified Ratings Seal shall be prohibited. Phrases such as "tested and rated to AMCA International standards" or "rated to AMCA International standards" shall not be used.
- When a product is licensed for sound and air, the sizes shown for sound performance shall be the same as the sizes shown for air performance.
- There shall be no unauthorized use of AMCA International copyrighted material. See the AMCA International website for the policy on using AMCA copyrighted material.