TECHNICAL ERRATA SHEET FOR
ANSI/AMCA STANDARD 230-15
Density Corrections

May 5, 2021

The corrections listed in this errata sheet apply to all copies of ANSI/AMCA Standard 230-15, *Laboratory Methods of Testing Air Circulating Fans for Rating and Certification*.

The corrections are not part of the approved, published document because they did not undergo the rigorous process of consensus development required by the American National Standards Institute (ANSI).

In Section 9, measured fan thrust is converted to standard air density, but the power does not include a density correction. This technical erratum addresses that omission.

In Table 1, add the following variable:

Symbol	Description	SI Unit	IP Unit
W_0	Measured electrical input power	W	W

In Section 8.2.4, replace "W_E" with "W_0".

Insert a new section after Section 9.4:

9.4a Power
The electrical input power, W_E, shall be calculated from the measured electrical input power, W_0, using the following equation:

$$W_E = W_0 \left(\frac{\rho_{std}}{\rho_0} \right)$$

In Section 9.5.1, replace all instances of "W_E" with "W_0", including in Equation 9.7.

In Section 10, include "Measured electrical input power" in "Data at test conditions" and "Electrical input power" in "Calculated values."

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