AHRI Standard 250-2022 (SI)

2022 Standard for

Performance and Calibration of Reference Sound Sources

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ICS Code: 17.140.01

Note:

This standard supersedes AHRI Standard 250-2013 with Addendum 1.

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Intent

This standard is intended for the guidance of the industry, including manufacturers, engineers, installers, contractors, and users.

Review and Amendment

This standard is subject to review and amendment as technology advances.

2022 Edition

This edition of AHRI Standard 250-2022, *Performance and Calibration of Reference Sound Sources* was prepared by the Testing and Analysis Standards Technical Committee. It was published by the Sound and Vibration Standards Subcommittee in October 2022.

Origin and Development of AHRI Standard 250

The standard was first published as ARI Standard 250-1999 *Performance and Calibration of Reference Sound Sources*. Subsequent publications were:

ARI Standard 250-2001 *Performance and Calibration of Reference Sound Sources*

ANSI/AHRI Standard 250-2008 *Performance and Calibration of Reference Sound Sources*

ANSI/AHRI Standard 250-2013 *Performance and Calibration of Reference Sound Sources*

AHRI Standard 250-2013 with Addendum 1 *Performance and Calibration of Reference Sound Sources*

Summary of Changes

AHRI Standard 250-2022 (SI) contains the following update(s) to the previous edition:

- Incorporated the changes from Addendum 1 into the body of the standard.
- Harmonized AHRI Directivity Index Calculation (Section 5.8) and ISO Standard 6926 calculation
- Added rotational speed (± 0.5% RPM) and maintain the voltage (± 1 V) requirements to maintain 0.3 dB per Section 4.5.1

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Committee Personnel

AHRI Standard 250-2022 (SI) Ad Hoc Group

Participant	Interest Category Classification	Voting Role	State / Province / Country
Edgar Duroni Price Industries Inc	Product Manufacturer	Chair	MB, Canada
Paul Bauch Johnson Controls, Inc.	Product Manufacturer	Primary	PA, USA
Jim Kline Intertek	Testing Laboratory	Primary	NY, USA
Derrick Knight Trane U.S. Inc.	Product Manufacturer	Primary	WI, USA
Steve Lind Lind Acoustics LLC	General Interest	Primary	WI, USA
Karl Peterman Swegon North America Inc.	Product Manufacturer	Primary	ON, Canada
Karina Saenz-Acosta Aaon, Inc.	Product Manufacturer	Primary	OK, USA
Lee Tetu Carrier Corporation	Product Manufacturer	Primary	NY, USA
Jeffrey Watt Goodman Manufacturing Company, L.P. dba Daikin Manufacturing Company, L.P.	Product Manufacturer	Primary	MN, USA
Patrick Marks Johnson Controls, Inc.	Product Manufacturer	Alternate to Paul Bausch	PA, USA
Nabil Shahin	AHRI Staff Liaison		

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Testing and Analysis Standards Technical Committee

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Kim Osborn Nortek Air Solutions, LLC	Product Manufacturer	Chair	MO, USA
Edgar Duroni Price Industries Inc	Product Manufacturer	Primary	MB, Canada
Roger Howard Johnson Controls, Inc.	Product Manufacturer	Primary	PA, USA
Diane Jakobs Rheem Manufacturing Company	Product Manufacturer	Primary	AR, USA
Jim Kline Intertek	Testing Laboratory	Primary	NY, USA
Derrick Knight Trane U.S. Inc.	Product Manufacturer	Primary	WI, USA
Steve Lind Lind Acoustics LLC	General Interest	Primary	WI, USA
Karl Peterman Swegon North America Inc.	Product Manufacturer	Primary	ON, Canada
Marcelo Real Tecumseh Products Company	Product Manufacturer	Primary	MI, USA
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Lee Tetu Carrier Corporation	Product Manufacturer	Primary	NY, USA
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Nabil Shahin	AHRI Staff Liaison		

Testing and Analysis Standards Technical Committee Scope: The Testing and Analysis STC is responsible for development and maintenance of standards and guidelines related to procedures for testing, analysis, calibration of instrumentation, and qualification of test facilities for sound and vibration. This STC will also be responsible for topics not in scope of the other Sound & Vibration STCs.

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Sound and Vibration Standards Subcommittee

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Sound and Vibration Standards Subcommittee Scope: Scope of the Sound & Vibration Standards Subcommittee is standards and guidelines related to sound and vibration for any AHRI product sector.

This list represents the membership at the time the Standards Technical Committee and Standards Subcommittee were balloted on the final text of this edition. Since that time, changes in the membership may have occurred. Membership on these committees shall not in and of itself constitute an endorsement by the committee members or their employers of any document developed by the committee where the member serves.

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