ARI Standard 300

2000 Standard for

Sound Rating and Sound Transmission Loss of Packaged Terminal Equipment

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Full document details: ARI Standard 300-2000 - Sound Rating and Sound Transmission Loss of Packaged Terminal Equipment

IMPORTANT

SAFETY DISCLAIMER

AHRI does not set safety standards and does not certify or guarantee the safety of any products, components or systems designed, tested, rated, installed or operated in accordance with this standard/guideline. It is strongly recommended that products be designed, constructed, assembled, installed and operated in accordance with nationally recognized safety standards and code requirements appropriate for products covered by this standard/guideline.

AHRI uses its best efforts to develop standards/guidelines employing state-of-the-art and accepted industry practices. AHRI does not certify or guarantee that any tests conducted under its standards/guidelines will be non-hazardous or free from risk.

Note:
This standard supersedes ARI Standard 300-88.

Note:

This version of the standard differs from the 1988 version of the standard in the following:

a. The single number Sound Rating (SR_{ARI}) in bels has been replaced by a Sound Rating comprised of a set of Sound Power Levels expressed in decibels (dB). The set of Sound Power Levels include Octave Band Sound Power Levels ($L_{W(n)}$), an A-Weighted Sound Power Level (L_{WA}), and a Tone Adjusted A-Weighted Sound Power Level (L_{WAT}). The Sound Power Levels used for the Sound Rating are all determined from the same One-Third Octave Band sound pressure measurements that are required in the 1988 version of the standard.

b. The Reference Sound Source used in the sound test is calibrated in accordance with ARI Standard 250.

c. ARI Standard 280 has been incorporated for obtaining optional sound data below 100 Hz.

d. This standard includes the addition of an Outdoor-Indoor Transmission Class (OITC). The OITC is provided in both overall A-Weighted and One-Third Octave Band forms. Future editions of this standard will eliminate the use of Sound Transmission Class (STC) in lieu of the more appropriate OITC.

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