

HVAC fundamentals Noise rating (NR)

For convenience is has become common practice to denote sound values into one single number. Noise rating (NR) curves help to express this single figure as NR curves use the 1,000 Hz octave band as a reference point; for example NR35 has a level of 35 dB at 1,000 Hz. However a number of products could have an identical NR level, but be audible very different i.e. broadband or powerful hum/whine at a specific frequency.

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Different products could have an identical noise rating (NR), but be audibly different

Providing this information for each frequency band means that noise migration solutions can be tailored to the individual products, effectively implementing a solution to combat low- or high-level frequency issues.

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