



ELECTRONIC EARMUFFS

ITEM 46798

The EPA has selected the NRR as the measure of a hearing protector's noise reducing capabilities. Harbor Freight Tools makes no warranties as to the suitability of the NRR as a measure of actual workplace protection since such protection is highly dependent on user training, motivation, and utilization. A better estimate of workplace protection can be obtained by derating the labeled NRR by 50%.

The NRR calculated from this attenuation data is 24. Improper fit of this device will reduce its effectiveness in attenuating noise. Consult instructions for proper fit.

The level of noise entering a person's ear, when a hearing protector is worn as directed, is closely approximated by the difference between the A-weighted environmental noise and the NRR.

ATTENUATION DATA ANSI S3.19-1974

| Test Frequencies (Hz) | 125 | 250 | 500 | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR (without 40CFR211 correction) | Corrected NRR |
|-------------------------|-----|------|------|------|------|------|------|------|------|-----------------------------------|---------------|
| Mean Attenuation (dB) | 2.9 | 17.1 | 27.8 | 36.7 | 45.3 | 41.9 | 45.6 | 37.5 | 39.2 | 27 | 24 |
| Standard Deviation (dB) | 2.0 | 1.4 | 1.2 | 3.6 | 2.6 | 1.3 | 1.8 | 2.5 | 2.1 | | |

Example:

- 1.) The environmental noise level as measured at the ear is 92 dBA.
- 2.) The NRR is 24 decibels (dB).
- 3.) The level of noise entering the ear is approximately equal to 68 dBA.

CAUTION For noise environments dominated by frequencies below 500 Hz, the C-weighted environmental noise level should be used.

The NRR used in the above example was achieved under laboratory conditions.

Although hearing protectors can be recommended for protection against harmful effects of impulsive noise, the Noise Reduction Rating (NRR) is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise such as gunfire.



Wear Instructions

1. Adjust the band to the proper position.
2. Pull hair out of the way and out from beneath the muffs.
3. Adjust the height of the cups so they fully enclose the ears and the cushions press equally around the ear.
4. It is important that cushions seal completely around the ear.
5. Always wear ANSI approved safety glasses when working with tools and equipment. When using these ear muffs with safety glasses, safety glasses must have thin temples that fit closely around the head or thin straps, this will help ensure a better fit and better protection.



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