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> 3M Peltor X1 Series Helmet-Attached Earmuffs 26dB Instruction Manual

3M Peltor X1P3E

3M Peltor X1 Series Helmet-Attached Earmuffs 26dB Instruction Manual

Model: X1P3E-GA | Brand: 3M Peltor

1. INTRODUCTION

The 3M Peltor X1 Series Helmet-Attached Earmuffs are designed to provide hearing protection in environments with moderate industrial noise. These earmuffs feature a helmet-attached design, offering a slim profile with an attenuation performance of 26 dB (SNR). They are lightweight, green in color, and suitable for various industrial applications, including road construction and electric drill use. The helmet is not included with this product.

3M™ PELTOR™ X1 Series

Earmuffs



✓ **NRR 21 dB***

✓ **Hard Hat Attached**

*U.S. EPA specifies the NRR as the measure of hearing protector noise reduction. However, 3M makes no warranties as to the suitability of the NRR for this purpose. 3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user. Refer to applicable regulations for guidance on how to adjust attenuation label values. It is recommended that the NRR be reduced by 50% to better estimate typical protection.

Image 1: 3M Peltor X1 Series Earmuffs with helmet attachment mechanism.

2. SAFETY INFORMATION

Always read and understand these instructions before using the 3M Peltor X1 Series Earmuffs. Failure to follow all instructions may result in reduced hearing protection and potential hearing damage.

- Ensure earmuffs are properly fitted and worn at all times when in noisy environments.
- Inspect earmuffs for damage before each use. Replace if ear cushions are cracked or damaged, or if the headband is bent or broken.
- Clean earmuffs regularly to maintain hygiene and performance.
- Do not modify the earmuffs. Unauthorized modifications may compromise their protective capabilities.
- These earmuffs are not electrically insulated. Avoid use in environments where electrical insulation is required.

3. SETUP AND ATTACHMENT

The 3M Peltor X1 Series Earmuffs are designed for attachment to compatible industrial safety helmets. Follow these steps for proper installation:

1. Identify the accessory slots on the sides of your industrial safety helmet.
2. Align the attachment arms of the earmuffs with these slots.
3. Firmly push the attachment arms into the helmet slots until they click securely into place. Ensure both sides are fully engaged.
4. Once attached, the earmuffs should pivot freely up and down, allowing them to be moved over the ears or stored on the helmet when not in use.

3M™ PELTOR™ X1 Series Hard Hat Attached Earmuffs

• Earmuffs categories

☐ Over
the head

☐ Behind
the head

☐ Full brim hard
hat attached

☒ Hard hat
attached

☐ Folding
headband

• Electrically insulated

☐ Yes

☒ No

• NRR

☒ 21 dB*

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Image 2: Diagram illustrating earmuff categories and electrical insulation status, showing 'Hard hat attached' and 'Electrically insulated: No'.

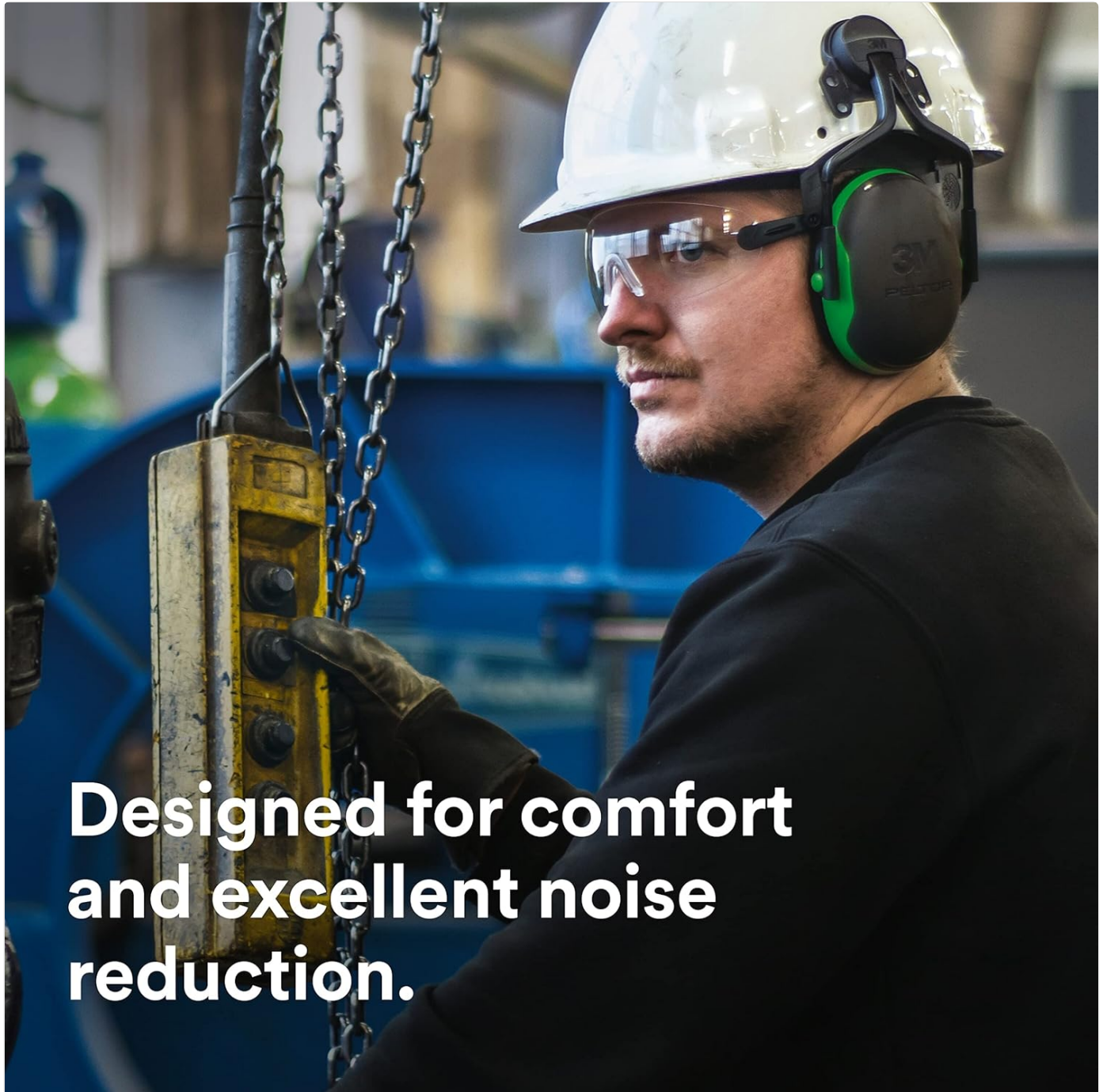
4. OPERATING INSTRUCTIONS

Proper wearing and adjustment are crucial for achieving the stated noise reduction performance.

1. **Wearing the Earmuffs:** With the earmuffs attached to your helmet, pivot them downwards so that the ear cups

completely cover your ears.

2. **Adjusting for Fit:** Ensure the ear cushions create a tight seal around your ears. There should be no gaps between the cushions and your head. Adjust the position of the ear cups on the helmet arms if necessary to achieve a comfortable and secure fit.
3. **Checking the Seal:** If you wear eyeglasses, ensure the temples of your glasses are thin and do not break the seal of the ear cushions. Hair should be pulled back to prevent interference with the seal.
4. **Noise Reduction:** When properly worn, the earmuffs will reduce ambient noise, providing an SNR of 26 dB.



**Designed for comfort
and excellent noise
reduction.**

Image 3: Worker demonstrating proper wear of 3M Peltor X1 Series earmuffs with a hard hat.

Demonstration Video:

Your browser does not support the video tag.

Video 1: Demonstration of wearing and adjusting earmuffs for proper fit and folding for storage. (Source: AMONIDA JJ)

5. MAINTENANCE

Regular maintenance ensures the longevity and effectiveness of your earmuffs.

- **Cleaning:** Clean the ear cups and cushions with mild soap and water. Do not immerse the entire earmuff in water. Wipe dry with a clean cloth.
- **Inspection:** Periodically inspect the ear cushions for cracks, hardening, or other signs of wear. Check the headband and attachment arms for damage.
- **Replacement Parts:** Ear cushions and foam inserts should be replaced regularly (e.g., every 6 months or as needed) to maintain hygiene and acoustic performance. Refer to 3M Peltor official channels for replacement parts.
- **Storage:** Store earmuffs in a clean, dry place away from direct sunlight and extreme temperatures when not in use.



Noise reducing earmuffs feature 3M™ proprietary foam cushioning for lasting comfort

Image 4: Close-up of earmuff cup showing proprietary foam cushioning, which should be regularly inspected and replaced.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Reduced Noise Reduction	Poor seal around ears, worn ear cushions, improper fit.	Re-adjust earmuffs for a tight seal. Inspect and replace ear cushions if worn. Ensure no hair or eyewear interferes with the seal.
Earmuffs feel uncomfortable	Improper adjustment, prolonged use, worn cushions.	Adjust the position on the helmet. Take breaks from wearing. Consider replacing ear cushions for improved comfort.
Earmuffs do not attach securely to helmet	Incompatible helmet, damaged attachment arms, incorrect installation.	Ensure helmet has compatible accessory slots. Check attachment arms for damage. Re-attempt installation, ensuring a "click" sound.

7. SPECIFICATIONS

Feature	Detail
Brand Name	3M Peltor
Model Number	X1P3E
Style Name	26dB
Noise Reduction Rating (NRR)	26 dB
Single Number Rating (SNR)	26 dB
Product Weight	Approximately 185g (0.55 pounds)
Color	Green, Black
Fit Type	Over-the-head (Helmet-Attached)
Closure Type	Pull On
Product Dimensions	11.4 x 20.8 x 14.4 cm (8.19 x 4.49 x 5.67 inches)
UPC	076308401306
GTIN	00076308401306, 50076308401301
Electrically Insulated	No

8. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please contact 3M Peltor customer service or visit the official 3M website. Keep your purchase receipt as proof of purchase.

Online Resources:

- [3M Peltor Official Website](#)
- [3M Japan Amazon Store](#)

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Model number, symptoms, what you tried, or the section of the manual you are using.

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