



3M™ 90563E

Foldable Earmuff 30 SNR

Technical Data Sheet



Product description

Headband passive ear muffs
When correctly worn, this product helps reduce exposure to hazardous levels of noise and loud sounds.
This product provides attenuation values SNR 30,4 dB, thus meeting the needs of a wide range of noise environments.

Features

Folds away for easy storage
Soft cushions help provide a comfortable, noise-blocking seal
Pivoting earcup suspension and easy height adjustment allow users to optimize comfort and fit
Recommended for sound greater than 85 dBA
Weight: 257 g



Material Composition

Earcups: HIPS (High Impact Polystyrene), Black
Earcup cushions: PU (Polyurethane Foam), PVC (Polyvinyl chloride), Black
Earcup inserts: PU (Polyurethane Foam)
Inside piece: ABS
Screws: iron
Headband: POM (Polyoxymethylene), Black
Headband Pad: PVC (Polyvinyl chloride), Black
These filters contain no components made from natural rubber latex.

Attenuation values

f (Hz)	63	125	250	500	1000	2000	4000	8000
Mf (dB)	17,8	18,0	22,3	27,2	37,4	33,9	37,4	38,4
sf (dB)	3,5	2,6	2,9	3,1	3,3	2,2	3,5	5,1
APVf (dB)	14,3	15,4	19,3	24,1	34,0	31,7	33,9	33,3

$SNR = 30,4 \text{ dB}$, $H = 33,0 \text{ dB}$, $M = 27,8 \text{ dB}$, $L = 21,3 \text{ dB}$, $APVf \text{ (dB)} = Mf - sf \text{ (dB)}$

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Key:

f = Test frequency

Mf = Mean attenuation value

sf = Standard deviation

APVf = Assumed Protection Value

H = High-frequency attenuation value (predicted noise level reduction for noise with LC – LA = -2dB)

M = Medium-frequency attenuation value (predicted noise level reduction for noise with LC – LA = +2dB)

L = Low-frequency attenuation value (predicted noise level reduction for noise with LC – LA = +10dB)

SNR = Single Number Rating (the value that is subtracted from the measured C-weighted sound pressure level, LC in order to estimate the effective A-weighted sound pressure level inside the ear).

Country of Origin

Made in Taiwan

Common Applications

Lawn mowing

Power tool use

Standard and approval

The 3M™ 90563E is type approved against the European Regulation (EU) 2016/425 by BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, UK, Notified Body No. 0086.

This product meets the requirement of the Harmonized European Standard EN 352-1:2002.

The applicable Certificate(s) and Declaration(s) of Conformity are available at: www.3m.com/CHIMsafety/certs

Storage Conditions

Do not store the product in temperatures above 45°C or below -20°C.

Service Life – When to replace

Worn or damaged – when the sealing rings become worn or the headband becomes damaged, replace product.

IMPORTANT NOTICE

The use of the 3M product described within this document assumes that the user has previous experience of this type of product and that it will be used by a competent professional. Before any use of this product it is recommended to complete some trials to validate the performance of the product within its expected application. All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user.

Compliance to the information and specification relative to the 3M product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. The 3M group (which cannot verify or control those elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control.

Warranty conditions for 3M products are determined with the sales contract documents and with the mandatory and applicable clause, excluding any other warranty or compensation.

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