



3M™ Peltor™ Optime II Food Industry Ear Muff (H520AH02)

Product Description

The 3M™ Peltor™ Optime II Food Industry ear muff (H520AH02), available in headband version only, is particularly designed to appeal to the food industry. This ear muff provides a good level of attenuation that meets the needs of the majority of food industry applications. When correctly selected and worn this product helps reduce exposure to hazardous levels of noise and loud sounds.

Key Features

- Feature wire headband for constant head band force providing reassured protection
- Easy to clean for good hygiene practice
- Minimises moisture and heat build-up
- One size fits all
- Soft wide cushions helps reduce pressure around the ears and improves comfort and wearability
- White colour to help increase visibility and improve compliance

Applications

The 3M™ Peltor™ Optime II Food Industry ear muff, although ideal for use in the food industry, can also be used in a wide range of other industrial application in a variety of environmental working conditions.

Examples of typical applications include

- Food Industry
- Agriculture
- Automotive
- Chemical & pharmaceutical manufacture
- Leisure market
- Light engineering
- Woodworking

Standard & Approval

The 3M™ Peltor™ Optime II Food Industry ear muff is tested and CE approved against the European Standard EN352-1:2002. This product meets the Basic Safety Requirements as laid out in Annex II of the European Community Directive 89/686/EEC. This product has been examined at the design stage by Combitech AB, Kungsorsvägen 60, 732 81 Arboga, Sweden. (Notified Body number 2279).

Materials

The following materials are used in the manufacture of this product.

Component	Materials
Headband	Stainless Steel wire, PVC and Acetal
Cups	ABS
Insert	Polyurethane foam
Cushions	Polyether, Glycerine and PVC

Product Range



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Attenuation values

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Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mf (dB)	16.69	12.80	21.26	30.22	34.47	33.06	38.01	36.80
sf (dB)	3.39	2.04	1.22	1.66	3.42	2.38	2.48	3.01
APVf (dB)	13.29	10.76	20.04	28.56	31.05	30.68	35.52	33.79

SNR = 30dB H = 33dB M = 28dB L = 19dB APVf (dB) = Mf – sf (dB)

Accessories/Replacement

The 3M™ Peltor™ HY55 and 3M™ Peltor™ HY100A-01 Hygiene Pads can be placed on the cushions to help absorb moisture and sweat.

Key

APVf = Assumed Protection Value

Mf = Mean attenuation value

sf = Standard deviation

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).

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