

CE 2797
CE 0086

MANUFACTURER

Portwest, Westport, County Mayo, Ireland

Name & Address of the Notified Body having issue EC certificate:

BSI GROUP The Netherlands B.V. NR 2797
Say Building, John M. Keynesplein 9, 1066 EP, Amsterdam, Netherlands
BSI GROUP NR 0086
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Notified body responsible for the ongoing conformity under MODULE C2
BSI GROUP The Netherlands B.V. - Notified Body No.2797
BSI GROUP - Notified Body No.0086

EN 352:1:2002



PERFORMANCES - SOUND ATTENUATION - EN 352-1:2002

PW40/PS40	SNR 27.6dB								H: 29.2	M: 25.4	L: 17.9
	63	125	250	500	1000	2000	4000	8000			
A Frequency (Hz)	63	125	250	500	1000	2000	4000	8000			
B Mean Attenuation (dB)	18.1	15.0	18.3	26.8	37.5	29.5	35.8	36.1			
C Standard Deviation (dB)	4.1	2.7	3.3	2.0	4.1	2.9	3.3	5.8			
D Assumed Protection (dB)	14.0	12.3	15.0	24.8	33.4	26.6	32.5	30.3			

PW41/PS41	SNR 30.4dB								H: 33.0	M: 27.8	L: 21.3
	63	125	250	500	1000	2000	4000	8000			
A Frequency (Hz)	63	125	250	500	1000	2000	4000	8000			
B Mean Attenuation (dB)	17.8	18.0	22.3	27.2	37.4	33.9	37.4	38.4			
C Standard Deviation (dB)	3.5	2.6	2.0	3.1	3.3	2.2	3.5	5.1			
D Assumed Protection (dB)	14.3	15.4	19.3	24.1	34.0	31.7	33.9	33.3			

PW48	SNR 27.6dB								H: 30.4	M: 24.9	L: 17.7
	63	125	250	500	1000	2000	4000	8000			
A Frequency (Hz)	63	125	250	500	1000	2000	4000	8000			
B Mean Attenuation (dB)	19.0	16.0	18.3	25.9	30.6	31.7	34.5	38.1			
C Standard Deviation (dB)	5.7	5.0	2.5	2.8	1.6	3.4	2.8	2.6			
D Assumed Protection (dB)	13.3	11.0	15.8	23.1	28.9	28.3	31.7	35.5			

PS48	SNR 22dB								H: 30dB	M: 19dB	L: 12dB
	63	125	250	500	1000	2000	4000	8000			
A Frequency (Hz)	63	125	250 <td>500</td> <td>1000</td> <td>2000</td> <td>4000</td> <td>8000</td> <td></td> <td></td> <td></td>	500	1000	2000	4000	8000			
B Mean Attenuation (dB)	13.5	11.2	12.8	19.9	27.6	34.1	41.6	37.3			
C Standard Deviation (dB)	5.6	4.3	3.9	3.6	3.8	2.4	3.2	4.5			
D Assumed Protection (dB)	7.9	6.9	9.0	16.2	23.8	31.7	38.4	32.7			

ANSI TESTING: Michael & Associates, Inc 246 Woodland Drive, State College, PA 16803

PS48	NRR (NOISE REDUCTION RATING) = 22dB										
	125	250	500	1000	2000	3150	4000	6300	8000		
A Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
B Mean Attenuation (dB)	18.1	17.3	26.2	35.4	39.2	36.7	34.9	35.3	35		
C Standard Deviation (dB)	2.8	2.7	3.0	3.3	3.0	2.8	3.0	2.9	3.9		

PW41/PS41	NRR (NOISE REDUCTION RATING) = 25dB										
	125	250	500	1000	2000	3150	4000	6300	8000		
A Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000		
B Mean Attenuation (dB)	17.6	21.8	30.7	39.7	35.5	37.3	39.1	34.6	35.6		
C Standard Deviation (dB)	3.1	2.6	2.9	3.0	3.1	2.8	2.7	2.7	3.8		

USER INFORMATION

ALL THESE PRODUCTS COMPLY WITH THE REQUIREMENTS OF REGULATION (EU 2016/425). AND THE GENERAL REQUIREMENTS OF THE STANDARD EN352-1:2002

These ear protectors are designed to protect the wearer against harmful noises and must be worn at all times in noisy environments (noise levels above 80dB) and must be chosen according to their attenuation factors in relation to the ambient noise to be reduced (see performances). Ensure that they are correctly fitted, adjusted, maintained and inspected in accordance with these instructions. If these instructions are not complied with, the protection provided by the ear defender will be considerably reduced. The ear muffs must be regularly inspected for serviceability.

Warning: if these instructions are not adhered to, the protection afforded by the ear-muffs will be severely impaired. Be warned that spectacle frames and hair between the ear pads and the head can also affect the performance of the ear defenders.

SIZING

SNR/PW40/PS40: these ear-muffs are of size range: S/M/L
SNR/PW41/PS41: these ear-muffs are of size range: M/L
SNR/PW48: these ear-muffs are of size range: S/M/L
SNR/PS48: these ear-muffs are of size range: S/M/L

Ear-muffs complying with EN 352-1 are of large size range, Medium Size Range or Small size range. Medium size range ear-muffs will fit the majority of wearers. Large size range and Small size range ear-muffs are designed to fit wearers for whom medium size range ear-muffs are not suitable.

Fitting Over The Head (O-H): Place the cups of the ear defenders on the lowest slot of the headgear assembly. There is no direction (left or right) to place the cups. Place the cups over the ears, headband directed upwards. Go down the headband until it touches the top of the head. To fit on S/M/L size range, adjust the slot of the headgear and cups lowest for L, highest for S size.

WEIGHT AND COMPOSITION:

PW40/PW41: Cups ABS / Cushion: PVC / Headband: PC - Mean mass of the ear muffs = 157gr
PW41/PS41: Cups HIPS / Cushion: PVC / Headband: POM - Mean mass of the ear muffs = 257gr
PW48: Cups ABS / Cushion: PVC / Headband: POM - Mean mass of the ear muffs = 168gr
PS48: Cups HIPS / Cushion: PVC / Headband: POM - Mean mass of the ear muffs = 184gr
No spare parts available.

STORAGE AND MAINTENANCE

Put the ear defenders away after use in a cool, dry place, out of the light and protected from frost. When not used, store in the original packaging. This product may be adversely affected by certain chemical substances. Further information should be sought from the manufacturer.

Clean & disinfect with warm soapy water cup, cushion & headband & dried with soft cloth. Never use solvents, abrasive or noxious products.

In normal conditions of use, these ear defenders will remain effective for 2 to 3 years after their initial use. Ear-muffs, and in particular cushions, may deteriorate with use and should be examined at frequent intervals for cracking and leakage, for example.

If any damage is found, throw the ear defenders away.

The fitting of hygiene covers to the cushions may affect the acoustic performance of the earmuffs. These ear defenders can cause allergic reactions in sensitive subjects, and if such a situation occurs, leave the noisy environment and remove the ear defenders.

PERFORMANCE – ACOUSTIC ATTENUATION (in dB): (See tables enclosed)

OTH = Fitted over the head

SNR = Single Number Rating / A = Frequency (Hz)

B = Mean Attenuation (dB) / C = Standard Deviation (dB) / D = Assumed Protection (dB).

Attenuation in dB: H = High frequencies/M = Medium frequencies/L = Low frequencies (bass).

Download declaration of conformity at www.portwest.com/declarations

