



## Technical Data

# Phonak Audéo B

## Phonak Audéo B-R (B90/B70/B50) (xS)

Receiver-In-Canal (RIC) instrument with a rechargeable Li-ion battery.

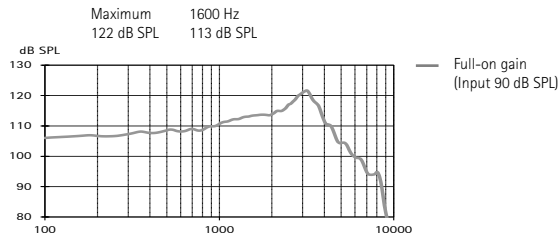
Phonak Audéo B-R instruments can be fitted with a Standard (xS), Power (xP) or UltraPower (xUP) external receiver.

Using pure tone measurements with a digital hearing instrument can result in a wavy frequency response. This is an artifact resulting from the use of a narrowband input signal and does not affect the actual performance with naturally occurring broadband input signals.

### Ear simulator data

IEC 60118-0 : 1983/1994

#### Output sound pressure level



#### Acoustic gain



Frequency range	<100 Hz - 9200 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.5%	2%	2.5%
	Expected operating time* 24 h		
Equivalent input noise level	19 dB SPL		

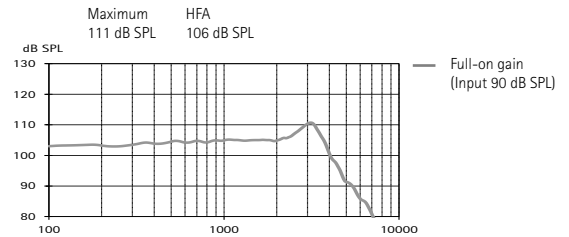
\* Expected operating time of the rechargeable battery depends on active features, the use of wireless accessories, hearing loss, battery age and sound environment.

### 2cm<sup>3</sup> coupler data

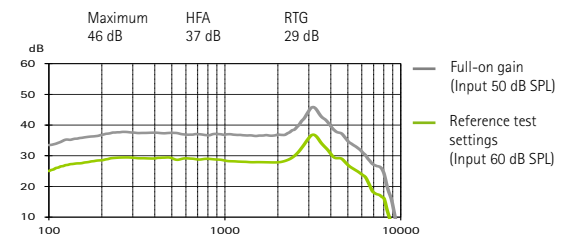
ANSI/ASA S3.22-2014

IEC 60118-0:2015

#### Output sound pressure level



#### Acoustic gain



Frequency range	<100 Hz - 8800 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.5%	2%	2%
	Expected operating time* 24 h		
Equivalent input noise level	19 dB SPL		



**PHONAK**

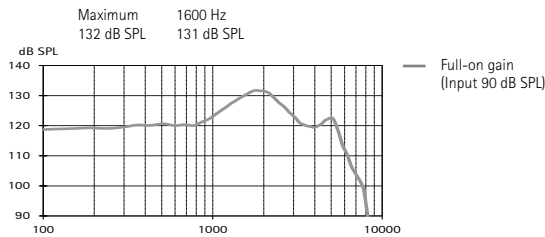
A Sonova brand

## Phonak Audéo B-R (B90/B70/B50) (xP)

### Ear simulator data

IEC 60118-0 : 1983/1994

#### Output sound pressure level



#### Acoustic gain



Frequency range	<100 Hz - 6400 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.5%	1.5%	1.5%
Expected operating time*	24 h		
Equivalent input noise level	19 dB SPL		

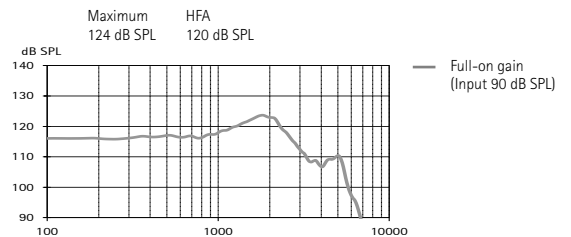
\* Expected operating time of the rechargeable battery depends on active features, the use of wireless accessories, hearing loss, battery age and sound environment.

### 2cm<sup>3</sup> coupler data

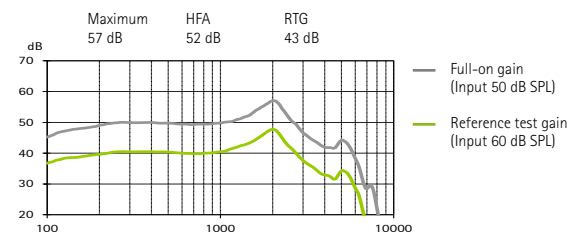
ANSI/ASA S3.22-2014

IEC 60118-0:2015

#### Output sound pressure level



#### Acoustic gain



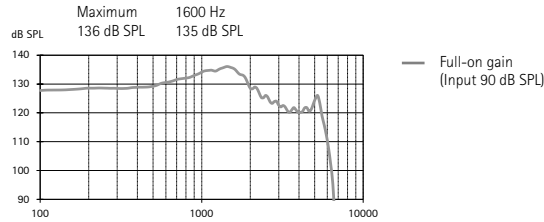
Frequency range	<100 Hz - 6600 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1%	1%	1%
Expected operating time*	24 h		
Equivalent input noise level	19 dB SPL		

## Phonak Audéo B-R (B90/B70/B50) (xUP)

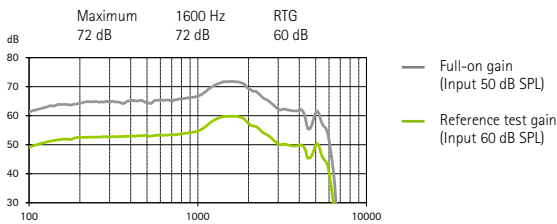
### Ear simulator data

IEC 60118-0 : 1983/1994

#### Output sound pressure level



#### Acoustic gain



Frequency range	<100 Hz - 5600 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.5%	1.5%	1%
Expected operating time*	24 h		
Equivalent input noise level	19 dB SPL		

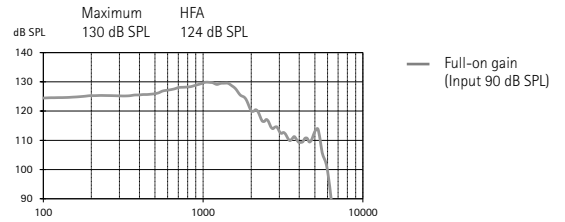
\* Expected operating time of the rechargeable battery depends on active features, the use of wireless accessories, hearing loss, battery age and sound environment.

### 2cm<sup>3</sup> coupler data

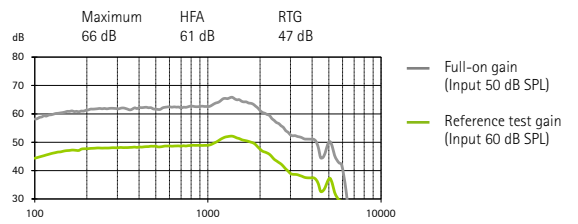
ANSI/ASA S3.22-2014

IEC 60118-0:2015

#### Output sound pressure level



#### Acoustic gain



Frequency range	<100 Hz - 6000 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.5%	1.5%	1%
Expected operating time *	24 h		
Equivalent input noise level	19 dB SPL		