



## Technical Data

# Phonak Audéo B

## Phonak Audéo B-312 B90 (xS)

Receiver-In-Canal (RIC) instrument with size 312 battery (for fitting range, product details and available options, please see the Product Information or visit [www.phonakpro.com](http://www.phonakpro.com)).

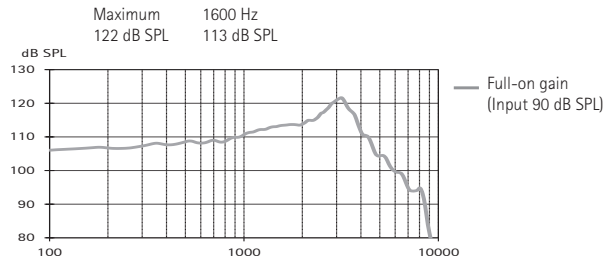
Phonak Audéo B-312 instruments can be fitted with a Standard (xS), Power (xP) or UltraPower (xUP) external receiver.

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.

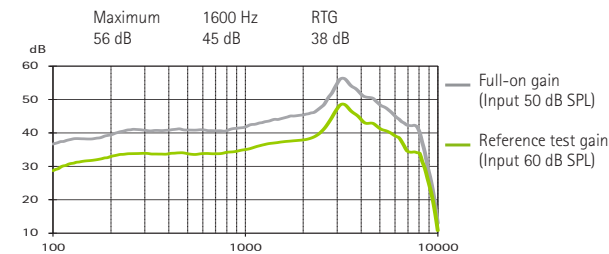
### Ear simulator data

IEC 60118-0: 1994

#### Output sound pressure level



#### Acoustic gain



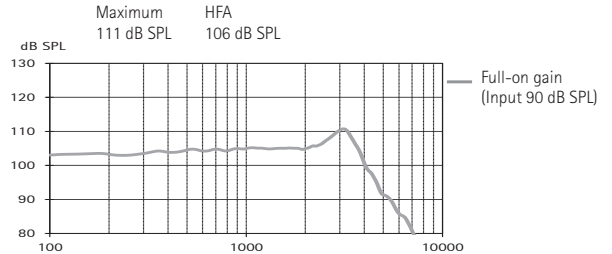
Frequency range	<100 Hz - 9200 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.5%	2%	2.5%
	Battery current		
	Quiescent	Working	
	1.1 mA	1.2 mA	
Equivalent input noise level	19 dB SPL		

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

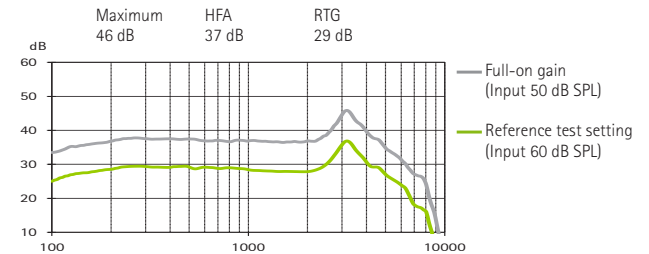
ANSI/ASA S3.22-2014

IEC 60118-0: 2015

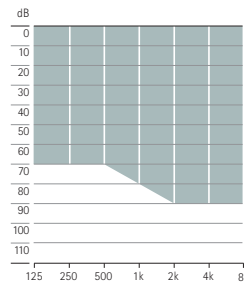
#### Output sound pressure level



#### Acoustic gain



Frequency range	<100 Hz - 8800 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.5%	2%	2%
	Battery current		
	1.2 mA		
Equivalent input noise level	19 dB SPL		



Mild to moderately-severe hearing loss.

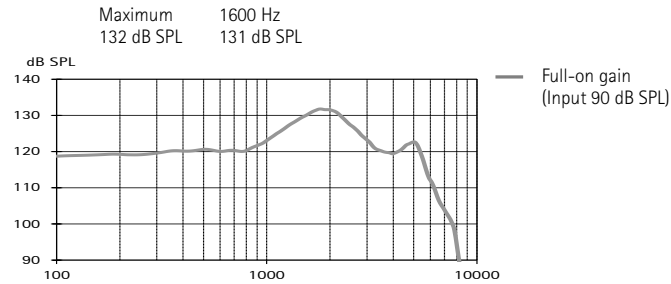


## Phonak Audéo B-312 B90 (xP)

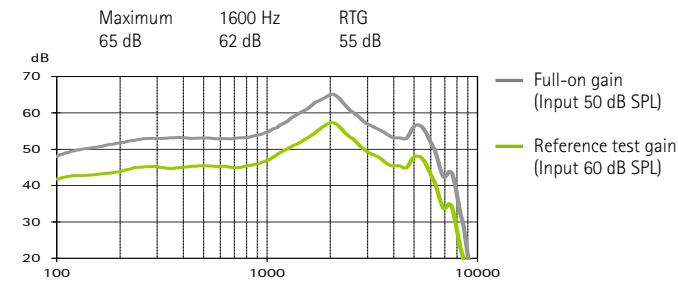
### Ear simulator data

IEC 60118-0: 1994

#### Output sound pressure level



#### Acoustic gain



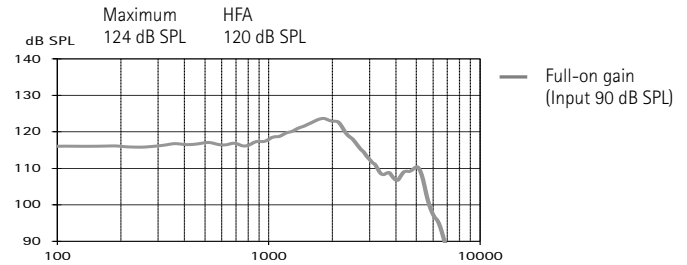
Frequency range	<100 Hz - 6400 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.5%	1.5%	1.5%
Battery current	Quiescent	Working	
	1.1 mA	1.2 mA	
Equivalent input noise level	19 dB SPL		

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

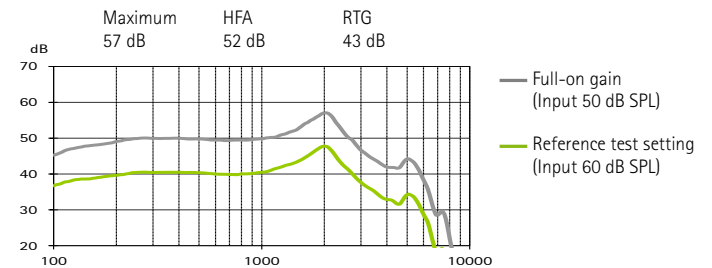
ANSI/ASA S3.22-2014

IEC 60118-0: 2015

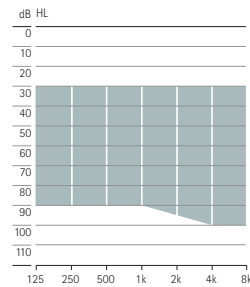
#### Output sound pressure level



#### Acoustic gain



Frequency range	<100 Hz - 6600 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1%	1%	1%
Battery current	1.2 mA		
Equivalent input noise level	19 dB SPL		



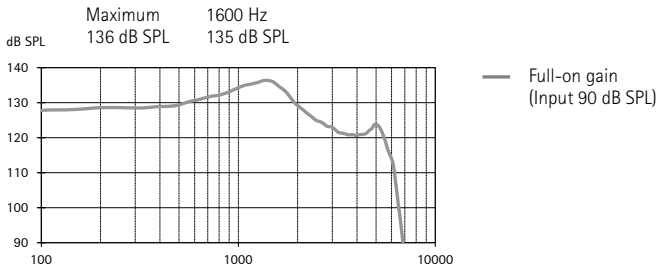
Mild to severe hearing loss.

## Phonak Audéo B-312 B90 (xUP)

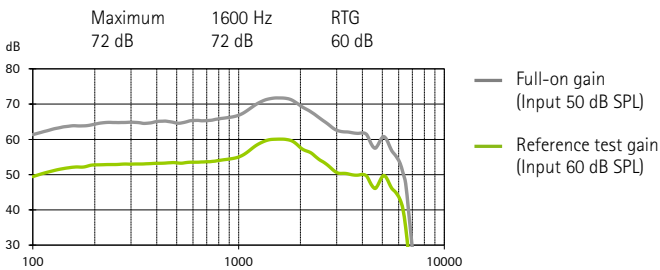
### Ear simulator data

IEC 60118-0: 1994

#### Output sound pressure level



#### Acoustic gain



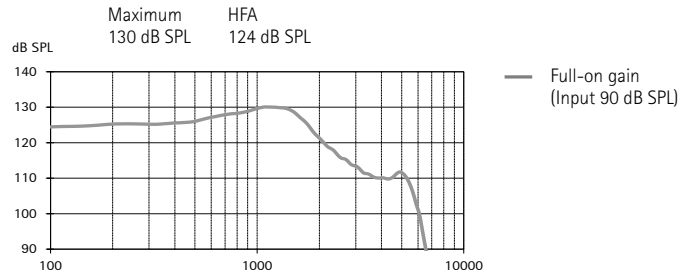
Frequency range	<100 Hz - 5800 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	2%	1.5%	1%
Battery current	Quiescent	Working	
	1.1 mA	1.3 mA	
Equivalent input noise level	19 dB SPL		

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

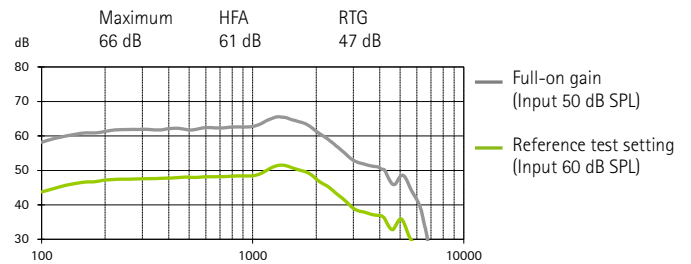
ANSI/ASA S3.22-2014

IEC 60118-0: 2015

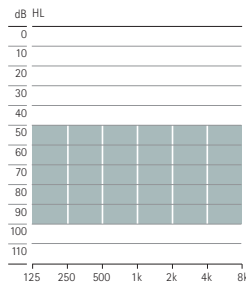
#### Output sound pressure level



#### Acoustic gain



Frequency range	<100 Hz - 6000 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.5%	1.5%	1%
Battery current	1.3 mA		
Equivalent input noise level	19 dB SPL		



Moderate to severe hearing loss.