Phonak Audéo V-13 (V90/V70/V50/V30) (xS)

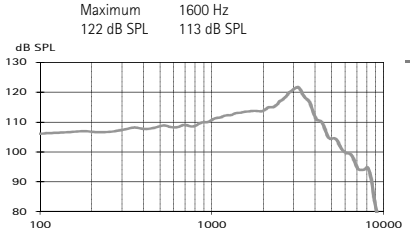
Receiver-In-Canal (RIC) instrument with size 13 battery (for fitting range, product details and available options, please see the Product Information or visit www.phonakpro.com)

RIC instruments can be fitted with a Standard, Power or SuperPower plus external receiver (xReceiver). The Standard xReceiver (xS) is for mild to moderately severe hearing loss. Unless otherwise specified, all data obtained are measured in a closed configuration with a coupling disc onto a HA-1 coupler (ANSI-S3.7-1995) or an occluded ear simulator (EN 60711, coupling arrangement according to fig. 4 in the test standard), and in the Phonak Target measurement settings.

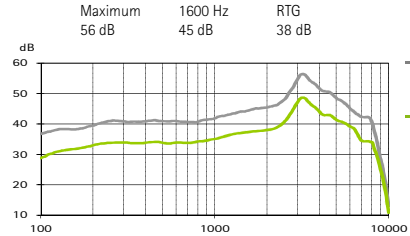
Ear simulator data

EN / IEC 60118 and IEC 60711

Output sound pressure level

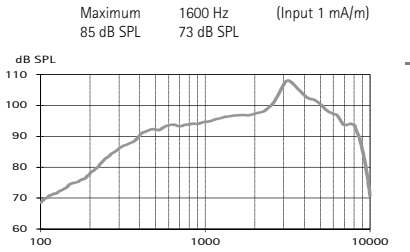


Acoustic gain



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		

Induction coil sensitivity



Dynamic data

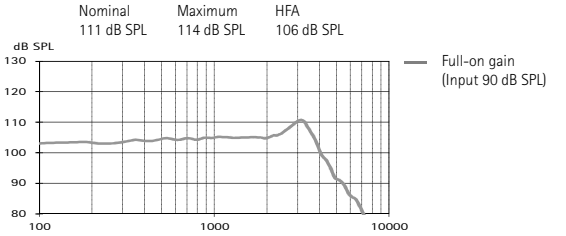
Compression	Attack time	Recovery time
	10 ms	50 ms

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.

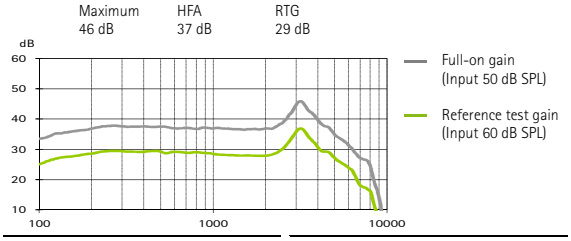
2cm^3 coupler data

ANSI S3.22-2009

Output sound pressure level

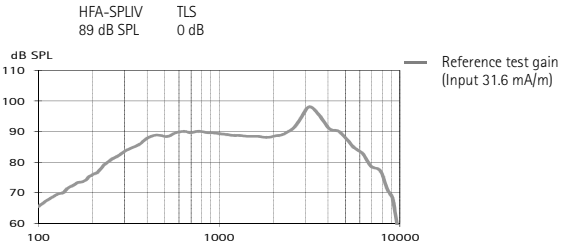


Acoustic gain



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

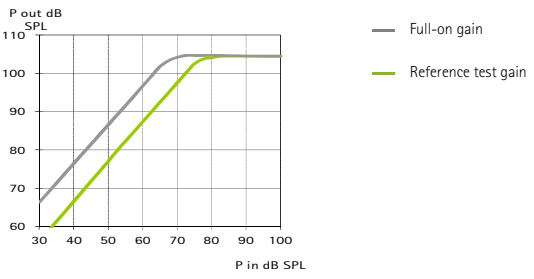
Induction coil sensitivity



Dynamic data

Compression	Attack time	Recovery time
	10 ms	50 ms

Input / Output characteristics at 2000 Hz



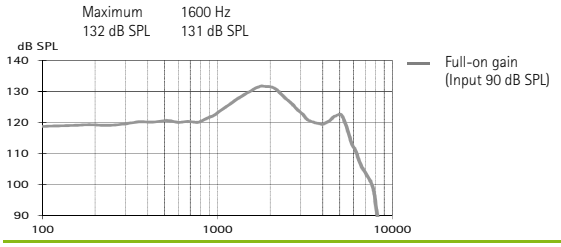
Phonak Audéo V-13 (V90/V70/V50/V30) (xP)

The Power xReceiver (xP) is for mild to severe hearing loss.

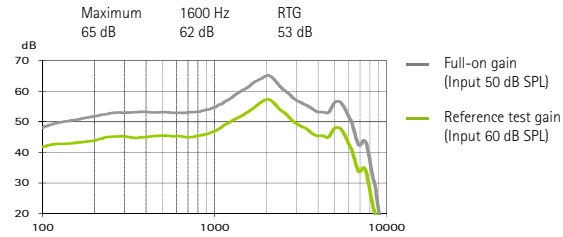
Ear simulator data

EN / IEC 60118 and IEC 60711

Output sound pressure level

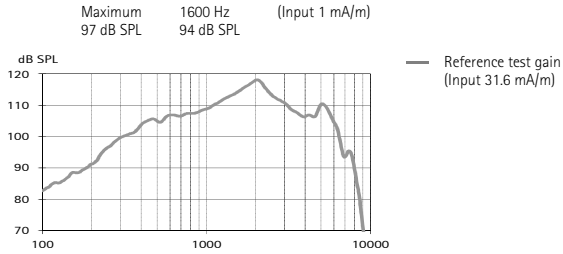


Acoustic gain



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		

Induction coil sensitivity



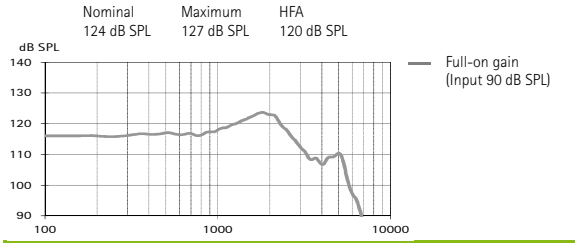
Dynamic data

Compression	Attack time	Recovery time
	10 ms	50 ms

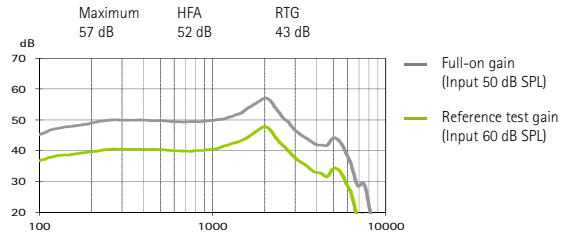
2cm^3 coupler data

ANSI S3.22-2009

Output sound pressure level

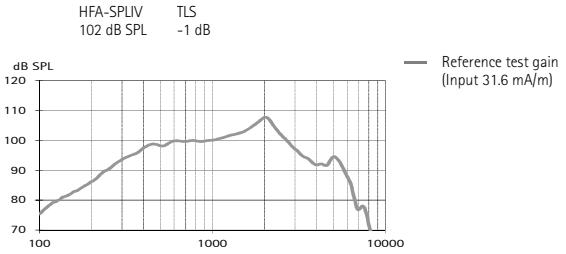


Acoustic gain



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

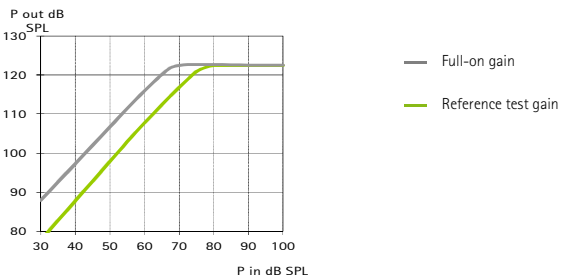
Induction coil sensitivity



Dynamic data

Compression	Attack time	Recovery time
	10 ms	50 ms

Input / Output characteristics at 2000 Hz



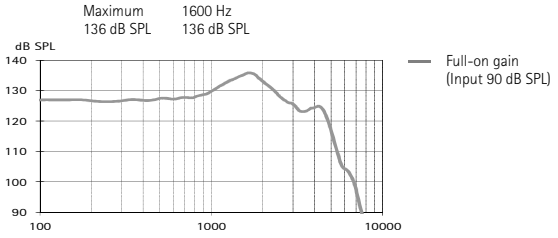
Phonak Audéo V-13 (V90/V70/V50/V30) (xSP plus)

The SuperPower plus xReceiver (xSP plus) is for moderate to severe hearing loss.

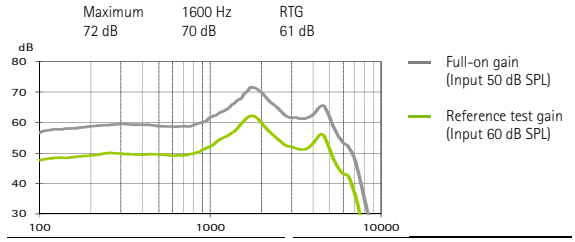
Ear simulator data

EN / IEC 60118 and IEC 60711

Output sound pressure level

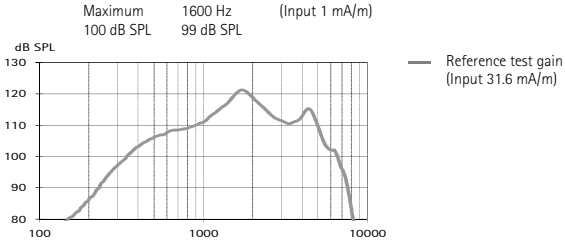


Acoustic gain



Frequency range	<100 Hz - 5500 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	2%	1.5%	1%
Battery current	Quiescent	Working	
	1.1 mA	1.2 mA	
Equivalent input noise level	19 dB SPL		

Induction coil sensitivity



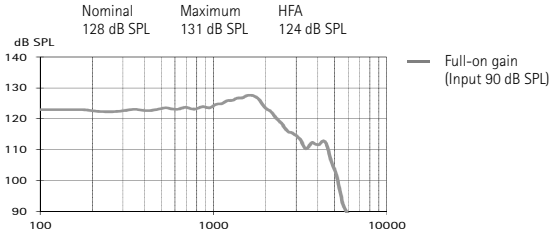
Dynamic data

Compression	Attack time	Recovery time
	10 ms	50 ms

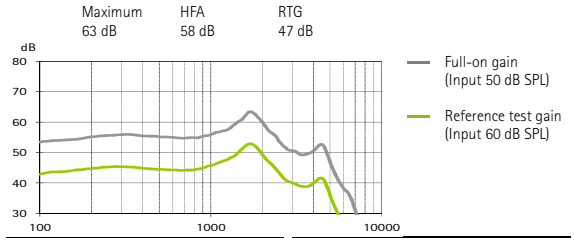
2cm^3 coupler data

ANSI S3.22-2009

Output sound pressure level

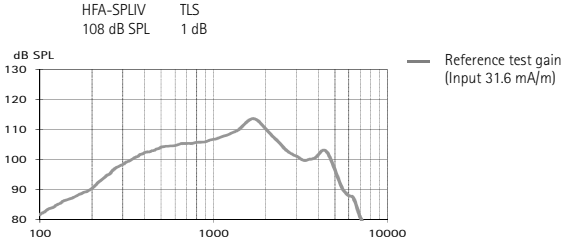


Acoustic gain



Frequency range	<100 Hz - 6000 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1%	1.5%	0.5%
Battery current	Quiescent	Working	
	1.1 mA	1.2 mA	
Equivalent input noise level	19 dB SPL		

Induction coil sensitivity



Dynamic data

Compression	Attack time	Recovery time
	10 ms	50 ms

Input / Output characteristics at 2000 Hz