



## Technical Data

# Phonak Bolero V

## Phonak Bolero V-M (V90/V70/V50/V30) (SlimTube HE)

Small micro BTE, battery size 312 (for fitting range, product details and available options, please see Product Information or visit [www.phonakpro.com](http://www.phonakpro.com)).

Note: 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.

Unless otherwise specified, all data obtained are measured in a closed configuration with a straight measurement SlimTube HE (Art. No. 004-0425) and a coupling disc (Art. No. 002-0412) 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.

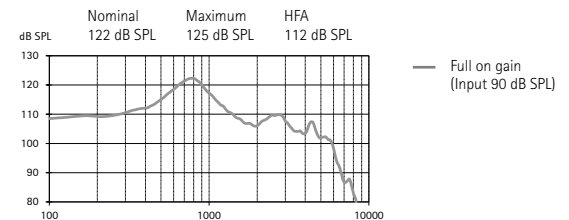
### 2cm<sup>3</sup> coupler data

ANSI S3.22-2009

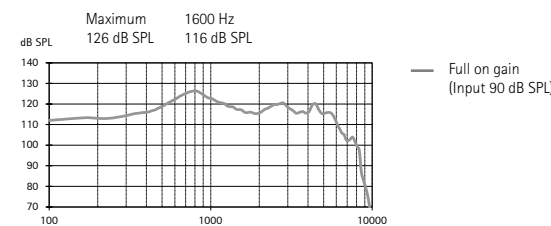
### Ear simulator data

EN / IEC 60118 and IEC 60711

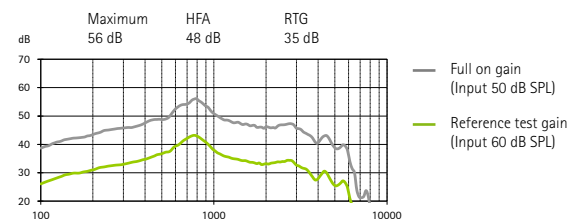
### Output sound pressure level



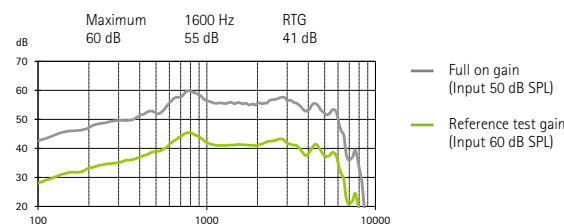
### Output sound pressure level



### Acoustic gain



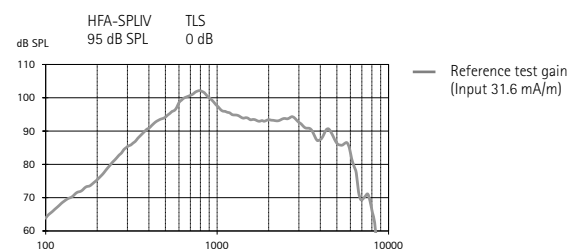
### Acoustic gain



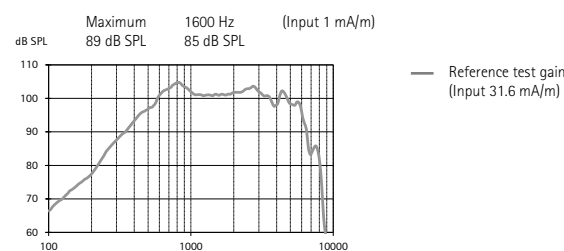
Frequency range	<100 Hz - 6500 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.5%	1.5%	2%
Battery current	Quiescent Working		
	1 mA	1.3 mA	
Equivalent input noise level	19 dB SPL		

Frequency range	<100 Hz - 6600 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.5%	1.5%	2%
Battery current	Quiescent Working		
	1 mA	1.2 mA	
Equivalent input noise level	19 dB SPL		

### Induction coil sensitivity



### Induction coil sensitivity



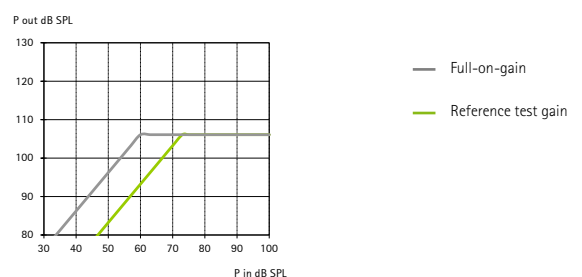
### Dynamic data

Compression	Attack time	Recovery time
	10 ms	150 ms

### Dynamic data

Compression	Attack time	Recovery time
	10 ms	50 ms

### Input / Output characteristics at 2000 Hz



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## Technical Data

# Phonak Bolero V

## Phonak Bolero V-M (V90/V70/V50/V30) (HE10 680)



**Warning to hearing care professionals:**  
This hearing instrument has an output sound pressure level that can exceed 132 dB SPL. Special care should be taken when fitting this instrument as there is a risk of impairing the residual hearing of the user.

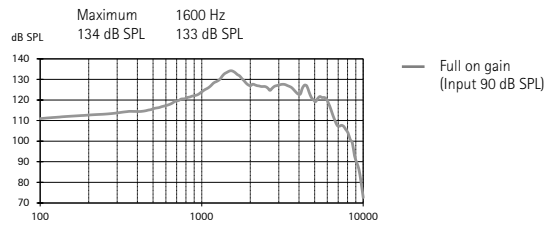
Note: Using pure tone measurements with a digital hearing instrument can result in a wavy frequency response. This is an artifact resulting from the use of a narrowband input signal and does not affect the actual performance with naturally occurring broadband input signals.

Unless otherwise specified, all data obtained are measured with the hook type HE10 680 and Phonak Target measurement settings.

### Ear simulator data

EN / IEC 60118 and IEC 60711

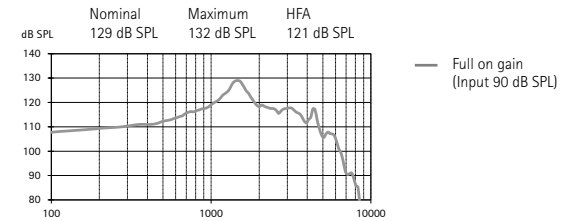
#### Output sound pressure level



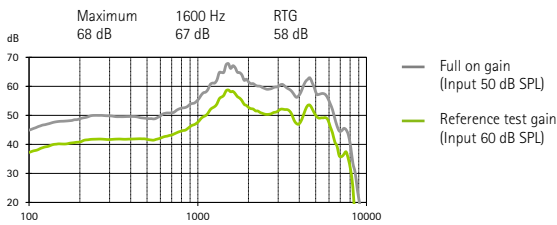
#### 2cm<sup>3</sup> coupler data

ANSI S3.22-2009

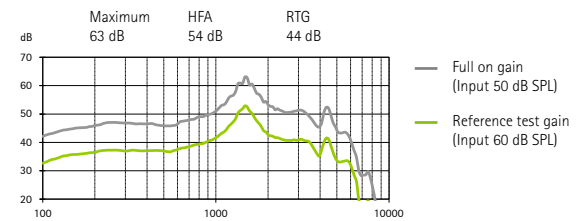
#### Output sound pressure level



#### Acoustic gain



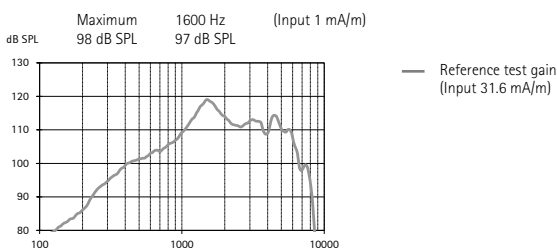
#### Acoustic gain



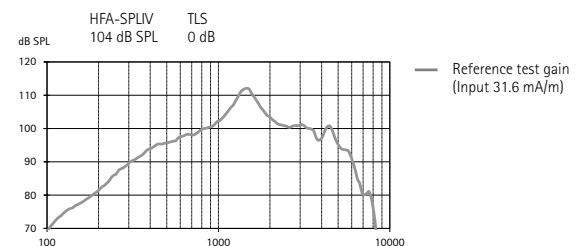
Frequency range	700 Hz - 6300 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	8%	5%	2%
Battery current	Quiescent	Working	
	1 mA	1.2 mA	
Equivalent input noise level	19 dB SPL		

Frequency range	<100 Hz - 6500 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	5%	3%	2%
Battery current	Quiescent	Working	
	1 mA	1.4 mA	
Equivalent input noise level	19 dB SPL		

#### Induction coil sensitivity



#### Induction coil sensitivity



#### Dynamic data

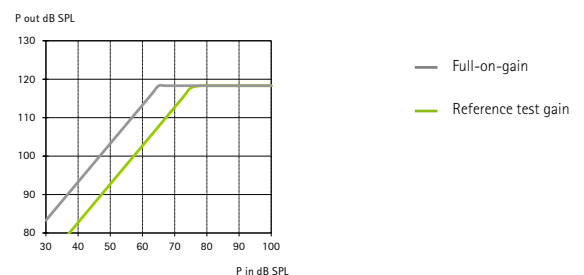
Compression	Attack time	Recovery time
	10 ms	60 ms

#### Dynamic data

Compression	Attack time	Recovery time
	10 ms	150 ms

#### Input / Output characteristics at 2000 Hz

#### Input / Output characteristics at 2000 Hz



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