



Technical Data

Phonak Bolero Q

Phonak Bolero Q-SP (Q90/Q70/Q50/Q30) (HE10 680)

Compact SuperPower BTE, battery size 13, for moderate to profound hearing loss, all audiometric configurations (for product details and available options, please see Product Information or visit 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.



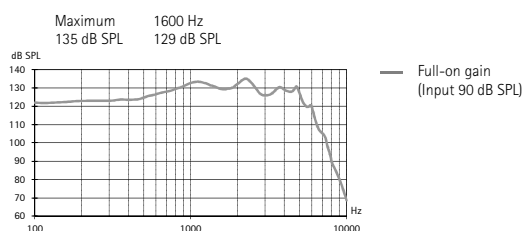
Warning to hearing care professionals:
This hearing instrument has an output sound pressure level that can exceed 132 dB SPL. Special care should be taken when fitting this instrument as there is a risk of impairing the residual hearing of the user.

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

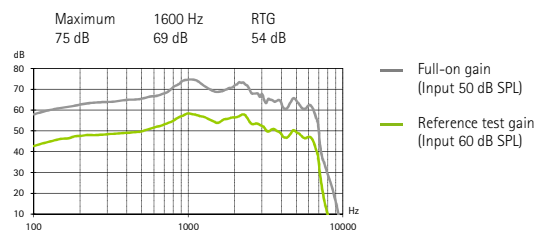
Ear simulator data

EN / IEC 60118 and IEC 60711

Output sound pressure level

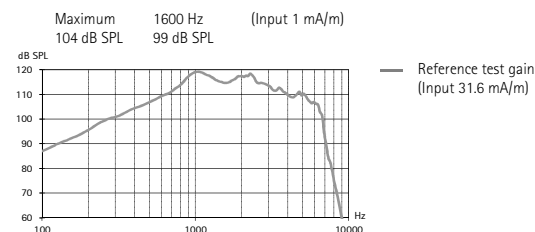


Acoustic gain



| | | | |
|------------------------------|-------------------|--------|---------|
| Frequency range | <100 Hz - 6800 Hz | | |
| Total harmonic distortion | 500 Hz | 800 Hz | 1600 Hz |
| | 4% | 2.5% | 1.5% |
| Battery current | Quiescent Working | | |
| | 1.1 mA 1.3 mA | | |
| Equivalent input noise level | 19 dB SPL | | |

Induction coil sensitivity



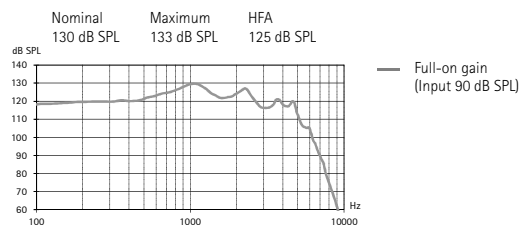
Dynamic data

| | | |
|-------------|-------------|---------------|
| Compression | Attack time | Recovery time |
| | 10 ms | 50 ms |

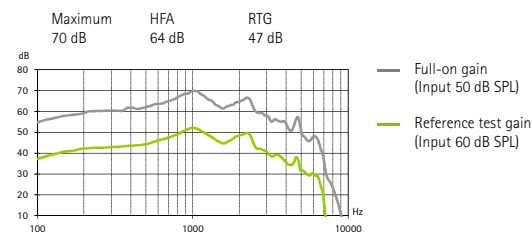
2cm³ coupler data

ANSI S3.22-2009

Output sound pressure level

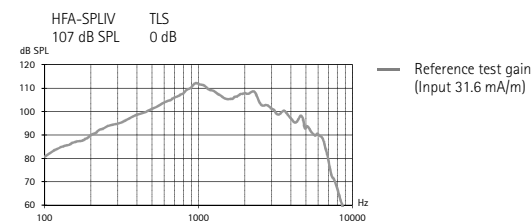


Acoustic gain



| | | | |
|------------------------------|-------------------|--------|---------|
| Frequency range | <100 Hz - 6500 Hz | | |
| Total harmonic distortion | 500 Hz | 800 Hz | 1600 Hz |
| | 3% | 1.5% | 1% |
| Battery current | Quiescent Working | | |
| | 1.1 mA 1.7 mA | | |
| Equivalent input noise level | 19 dB SPL | | |

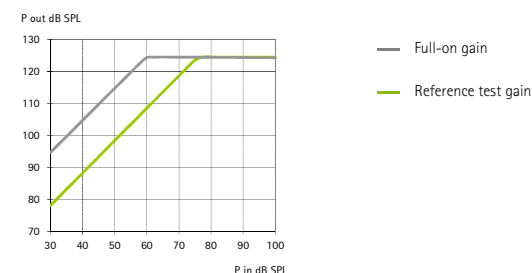
Induction coil sensitivity



Dynamic data

| | | |
|-------------|-------------|---------------|
| Compression | Attack time | Recovery time |
| | 10 ms | 50 ms |

Input / Output characteristics at 2000 Hz



PHONAK



Technical Data

Phonak Bolero Q

Phonak Bolero Q-SP (Q90/Q70/Q50/Q30) (SlimTube HE)



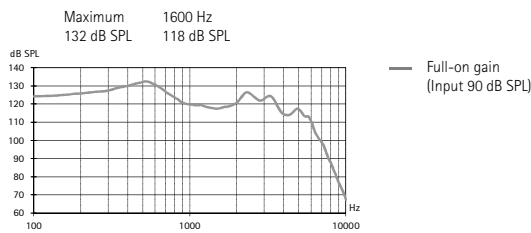
Warning to hearing care professionals:
This hearing instrument has an output sound pressure level that can exceed 132 dB SPL. Special care should be taken when fitting this instrument as there is a risk of impairing the residual hearing of the user.

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.

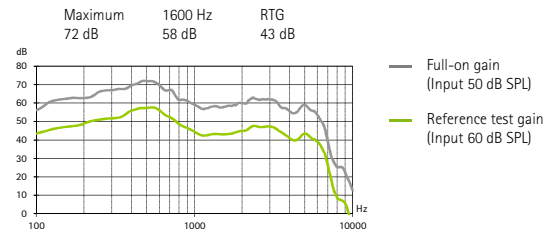
Ear simulator data

EN / IEC 60118 and IEC 60711

Output sound pressure level

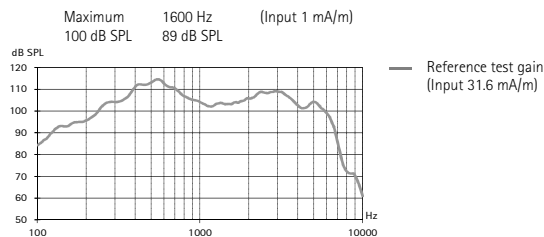


Acoustic gain



| | | | |
|------------------------------|-------------------|---------|---------|
| Frequency range | <100 Hz - 6900 Hz | | |
| Total harmonic distortion | 500 Hz | 800 Hz | 1600 Hz |
| | 2% | 1.5% | 2% |
| Battery current | Quiescent | Working | |
| | 1.1 mA | 1.2 mA | |
| Equivalent input noise level | 19 dB SPL | | |

Induction coil sensitivity



Dynamic data

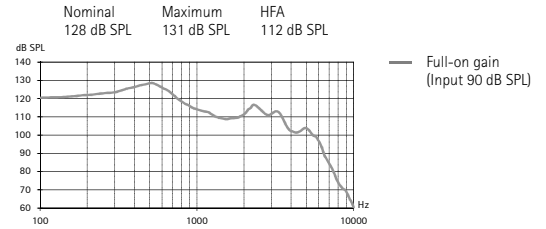
| | | |
|-------------|-------------|---------------|
| Compression | Attack time | Recovery time |
| | 10 ms | 50 ms |

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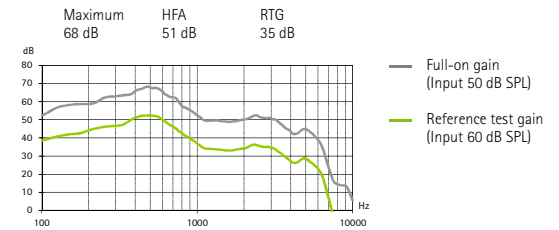
2cm³ coupler data

ANSI S3.22-2009

Output sound pressure level

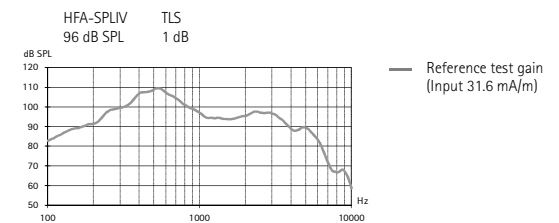


Acoustic gain



| | | | |
|------------------------------|-------------------|---------|---------|
| Frequency range | <100 Hz - 6600 Hz | | |
| Total harmonic distortion | 500 Hz | 800 Hz | 1600 Hz |
| | 2% | 1% | 1.5% |
| Battery current | Quiescent | Working | |
| | 1.1 mA | 1.4 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

