# Phonak Vitus+ BTE/RIC

## Product information


Phonak Vitus+ BTE/RIC is the comprehensive RIC and BTE portfolio for mild to profound hearing losses in the basic segment, including Everyday Automatic for better speech understanding in quiet and in noise.

Vitus+ hearing aids are the ideal solution for those clients that prefer proven hearing performance in appealing modern design.

For more information visit **www.phonakpro.com**

# Product description

**Vitus+ BTE-micro**

**Vitus+ BTE-P**

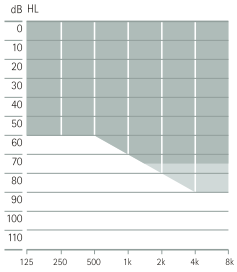
**Vitus+ BTE-UP**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Zinc-Air battery size | | 312 | | 13 | | 675 | |
| Push button (Program/Volume) | | • | | • | | • | |
| Volume control | | | | • | | • | |
| Telecoil | | • | | • | | • | |
| EasyPhone | | • | | • | | • | |
| Nano coating | | • | | • | | • | |
| IP rating | | IP68[1] | | IP68[1] | | IP68[1] | |
| Dimensions | L x W x D | 29.5 x 13 x 7.4 mm (1.16 x 0.1 x 0.29") | | 33.1 x 16.3 x 8.6 mm (1.30 x 0.1 x 0.34") | | 42.5 x 19.2 x 8.7 mm (1.68 x 0.76 x 0.34") | |
| | Weight | 1.9 g (0.07 oz) | | 2.7 g (0.1 oz) | | 5.4 g (0.19 oz) | |
| | | **SlimTube HE** | **HE 10 680** | **SlimTube HE** | **HE 10 680** | **HE11 680** | **HE11** |
| Max. Power Output (dB SPL) | | | | | | | |
| | 2 cc coupler | 122 | 129 | 126 | 131 | 135 | 141 |
| | Ear simulator | 126 | 134 | 130 | 135 | 140 | 145 |
| Max. gain (dB) | 2 cc coupler | 56 | 63 | 58 | 66 | 77 | 82 |
| | Ear simulator | 60 | 68 | 62 | 71 | 81 | 85 |
| Frequency range – Ear simulator (Hz) | | <100 – 6600 | <700 – 6300 | <100 – 5500 | <100 – 5500 | <100 - 5100 | <100 – 5100 |
| Working current – Ear simulator, HE 10 680 (mA) | | 1.2 | | 1.2 | | 1.3 | |

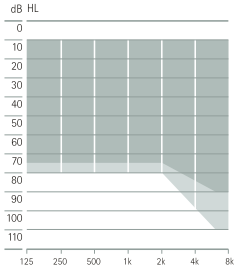
Fitting range

SlimTube HE / Power SlimTube

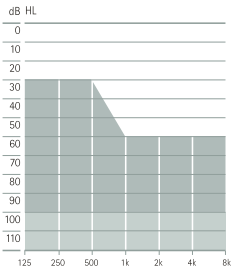
Regular tube




Mild to moderately-severe hearing loss, all audiometric configurations




Mild to severe hearing loss, all audiometric configurations




Severe to profound hearing loss, all audiometric configurations.

1 IP68 indicates that the hearing aid is water resistant and dust tight. It survived continuous immersion in 1 meter of water for 60 minutes and 8 hours in a dust chamber as per the IEC60529 standard. No traces of dust were evident within the housing.

**Vitus+ RIC-312T**

| | | |
|---|---|---|
| Battery size | | 312 |
| Push button (Program/Volume) | | • |
| Volume Control | | |
| Telecoil | | • |
| EasyPhone | | • |
| Nano coating | | • |
| IP rating[1] | | IP68[1] |
| Dimensions | L x W x D | 28.7 x 12.3 x 6.8 mm (1.13 x 0.48 x 0.27") |
| | Weight | 1.5 g (0.05 oz) |

| **Standard xReceiver (xS)** | | |
|---|---|---|
| Max. Power Output (dB SPL) | | |
| | 2 cc coupler | 111 |
| | Ear simulator | 122 |
| Max. gain (dB) | 2 cc coupler | 46 |
| | Ear simulator | 56 |
| Frequency range – Ear simulator (Hz) | | <100 - 9200 |
| Working current (mA) | | 1.2 |

| **Power xReceiver (xP)** | | |
|---|---|---|
| Maximum Power Output (dB SPL) | | |
| | 2 cc coupler | 124 |
| | Ear simulator | 132 |
| Max. gain (dB) | 2 cc coupler | 57 |
| | Ear simulator | 65 |
| Frequency range – Ear simulator (Hz) | | <100 - 6400 |
| Working current (mA) | | 1.2 |

| **UltraPower xReceiver (xUP)** | | |
|---|---|---|
| Max. Power Output (dB SPL) | | |
| | 2 cc coupler | 130 |
| | Ear simulator | 136 |
| Max. gain (dB) | 2 cc coupler | 66 |
| | Ear simulator | 72 |
| Frequency range – Ear simulator (Hz) | | <100 - 5800 |
| Working current (mA) | | 1.3 |

# Housing colors

| P1 | P3 | P5 | P6 | P7 |
|---|---|---|---|---|
| Sand Beige | Sandalwood | Champagne | Silver Gray | Graphite Gray |

# Acoustic couplings

**Vitus+ BTE-micro and BTE-P**

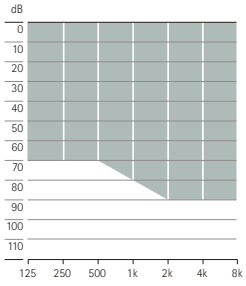
| | | | |
|---|---|---|---|
| **Sound outlet** | Hook | Available as damped (HE10 680), undamped (HE10) | |
| | SlimTube HE | Available in left, right and four different lengths (0, 1, 2, 3) | |
| **Earpiece** | Dome | Open Dome | available in three sizes (S, M, L) |
| | | Closed Dome | available in three sizes (S, M, L) |
| | | Power Dome | available in three sizes (S, M, L) |
| **SlimTip** | | Hard material | Hollow shell |
| | | | Solid shell |
| | | Soft material | Solid shell |

**Vitus+ BTE-UP**

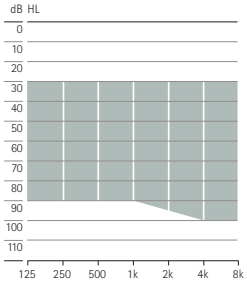
| | | |
|---|---|---|
| **Sound outlet** | Hook standard | Damped (HE11 680) |
| | | Undamped (HE11) |
| | Power SlimTube II | Left and right in five different lengths (00, 0, 1, 2 and 3) |

| **Vitus+ RIC-312T** | | | **Standard xReceiver** | **Power xReceiver** | **UltraPower xReceiver** |
|---|---|---|---|---|---|
| **Length** | Available in four different lengths (0, 1, 2, 3), left and right | | • | • | • |
| **Dome** | Open dome | Available in three sizes (S, M, L) | • | • | |
| | Closed dome | Available in three sizes (S, M, L) | • | • | |
| | Power dome | Available in three sizes (S, M, L) | • | • | |
| **SlimTip*** | Hard material | Hollow shell | • | • | |
| | | Solid shell | • | | |
| **cShell** | Hard material | | • | • | • |

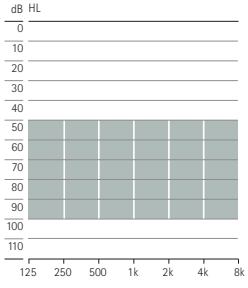
*Available with extra canal length option




Mild to moderately-severe hearing loss.




Mild to severe hearing loss.




Moderate to severe hearing loss.

# Fitting

| | |
|---|---|
| **Software** | Phonak Target 5.3 or higher |
| **Interfaces** | iCube II*, NOAHLink, HI-PRO, HI-PRO2 |

# Wireless communication portfolio

| **Roger** | **Vitus+ BTE-micro** | **Vitus+ BTE-P** | **Vitus+ BTE-UP** | **Vitus+ RIC-312T** |
|---|---|---|---|---|
|  Roger 18 | | • | | |
|  Roger X / AS18 | | • | | |
|  Roger 19 | | | • | |
|  Roger X / AS19 | | | • | |
|  Roger MyLink | • | • | • | • |

For information on Roger microphones please visit **www.phonakpro.com/roger**

# Performance levels

| | Vitus+ |
|---|---|
| **Everyday Automatic** | • |
| Calm Situation | • |
| Speech in Noise | • |
| **Additional programs** | |
| Max. additional programs | 4 |
| Speech in Noise | • |
| Calm Situation | • |
| Comfort in Noise | • |
| Music | • |
| Acoustic phone | • |
| Custom program | • |
| Wireless fitting | • |
| **Features** | |
| UltraZoom | • |
| SoundRecover | • |
| User Preference Tuning | • |
| Finetuning channels | 6 |
| WhistleBlock | • |
| NoiseBlock | • |
| QuickSync | • |
| AOV | • |
| auto Acclimatization | • |



# Phonak Vitus+ BTE-micro (SlimTube HE)

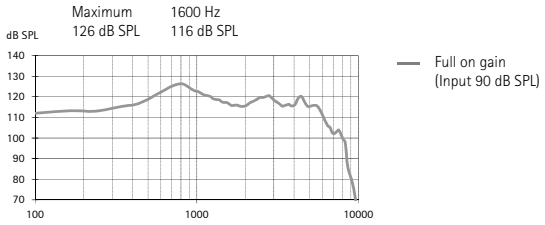
**Small micro BTE, battery size 312 (for fitting range, product details and available options, please see Product Information or visit www.phonakpro.com).**

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.

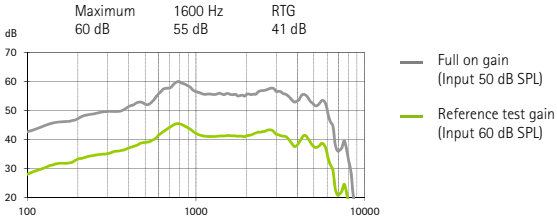
## Ear simulator data

IEC 60118-0 : 1994

### Output sound pressure level

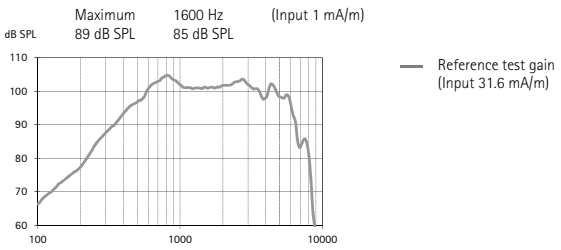



### Acoustic gain




| 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 | | |

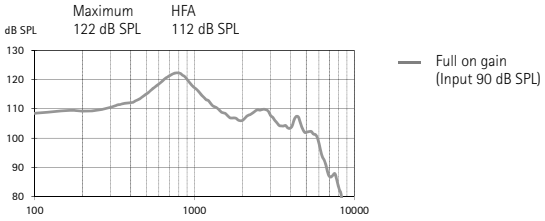
### Induction coil sensitivity



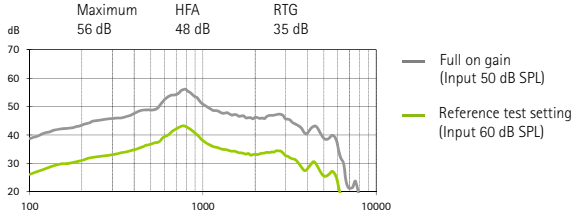

## 2cm$^3$ coupler data

ANSI / ASA S3.22-2014
IEC 60118-0 : 2015

### Output sound pressure level

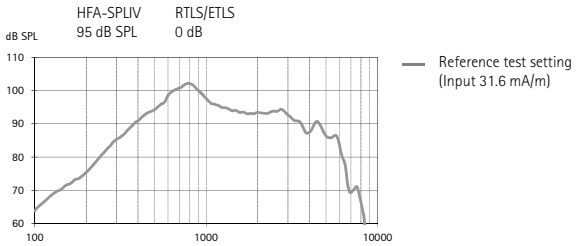



### Acoustic gain




| Frequency range | <100 Hz - 6500 Hz | | |
|---|---|---|---|
| Total harmonic distortion | 500 Hz | 800 Hz | 1600 Hz |
| | 1.5% | 1.5% | 2% |
| Battery current | 1.2 mA | | |
| Equivalent input noise level | 19 dB SPL | | |

### Induction coil sensitivity





# Phonak Vitus+ BTE-micro (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.

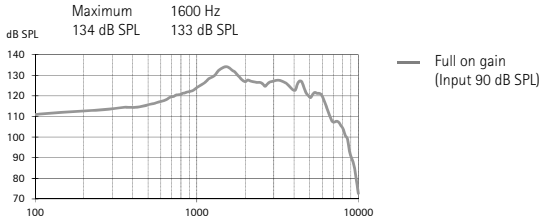
Unless otherwise specified, all data obtained are measured with the hook type HE10 680 and Phonak Target measurement settings.

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.

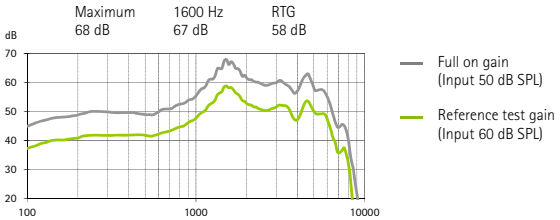
## Ear simulator data

IEC 60118-0 : 1994

### Output sound pressure level

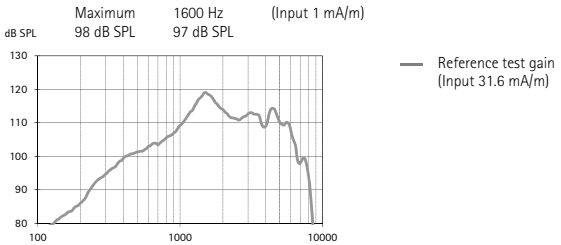



### Acoustic gain




| | | | |
|---|---|---|---|
| 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 | | |

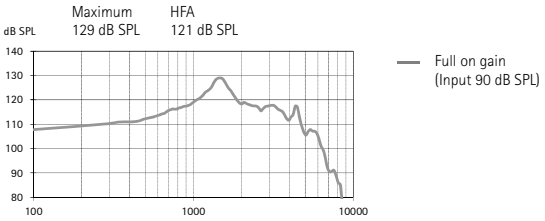
### Induction coil sensitivity



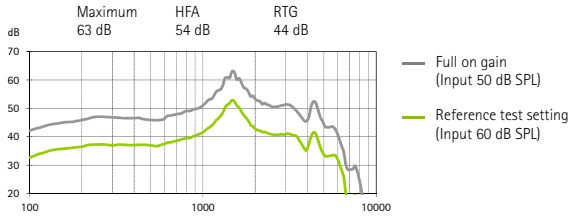

## 2cm$^3$ coupler data

ANSI / ASA S3.22-2014
IEC 60118-0 : 2015

### Output sound pressure level




### Acoustic gain




| | | | |
|---|---|---|---|
| Frequency range | <100 Hz - 6500 Hz | | |
| Total harmonic distortion | 500 Hz | 800 Hz | 1600 Hz |
| | 5% | 3% | 2% |
| Battery current | I.4 mA | | |
| Equivalent input noise level | 19 dB SPL | | |

### Induction coil sensitivity