

# PHILIPS

## HearLink

TERCÜME

**ARE S**  
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## Teknik Özellik Kılavuzu HearLink 7020 | 3020 BTE SP & BTE UP

HearLink BTE SP ve BTE UP, Philips HearLink ailesinin, ileri ve çok ileri derecede işitme kayıpları için uygun, en güçlü işitme cihazlarıdır. Telecoil, tek ve çift Program Düğmesi içerir ve damper filtresiz ses boynuzu ile tedarik edilir. Philips HearLink Made for iPhone® işitme cihazı olup, 2,4 GHz'de Bluetooth® Low Energy (BLE) teknolojisini destekler. Gücünü SoundMap teknolojisinden alan HearLink BTE SP ve BTE UP, en gelişmiş özelliklere sahiptir.

### Super Power



HL 7020 | 3020 BTE SP  
(HEB7021, HEB3021)

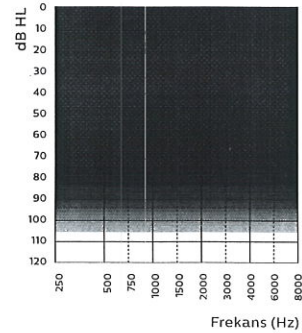
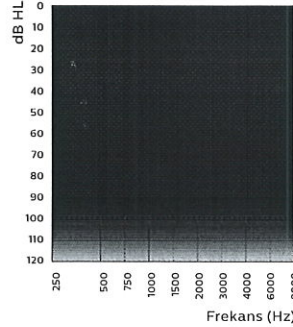
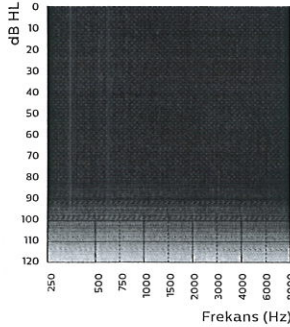
### Ultra Power



HL 7020 | 3020 BTE UP  
(HEB7022, HEB3022)

Made for

iPhone | iPad | iPod



### Teknik özellikler

- 2,4 GHz Bluetooth® Low Energy
- NFMI (yakın alan manyetik indüksiyonu)
- 13 numara pil, BTE SP için
- 675 numara pil, BTE UP için
- Çift ve tek Program Düğmesi
- Çok renkli LED gösterge
- Telecoil
- Hidrofobik kaplama
- IP68 sınıfı

### Aksesuarlar ve seçenekler

- Philips HearLink app (iOS ve Andorid™ için)
- Uzaktan Kumanda
- TV Adaptörü
- FittingLINK 3.0 (kablolu programlama arayüzü)
- AudioClip
- Doğrudan Ses Girişi (DAI) adaptörü 1000
- FM adaptörü 10
- Kurcalamaya karşı dayanıklı pil yuvası
- Damper filtre elemanı

### Genel özellikler

- Dijital Programlanabilir
- Otomatik veya manuel Ses Kontrolü
- Maksimum Çıkış Kontrol Sistemi
- MPO-Maksimum Güç Çıkışı
- GC-Kazanç Kontrolü
- AGC-Otomatik Kazanç Kontrolü
- Gürültü Azaltma
- Feedback Yönetimi
- Çift Mikrofon
- FM Uyumlu
- 4 Program
- 48 Kanal

HearLink BTE SP ve BTE UP, Made for iPhone®, iPad®, iPod® işitme cihazları olup, iOS 11.0 veya üzeri işletim sistemine sahip cihazlarla uyumludur. Uyumluluk hakkında bilgi için lütfen [hearingsolutions.philips.com/compatibility](http://hearingsolutions.philips.com/compatibility) adresini ziyaret edin.

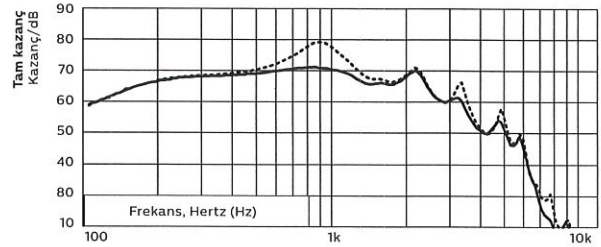
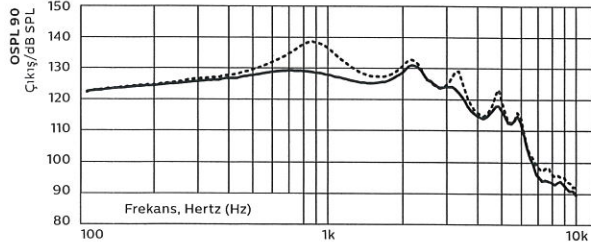
# HearLink 7020 | 3020

HEB7021, HEB3021, BTE SP

— Boynuz, damper filtreli

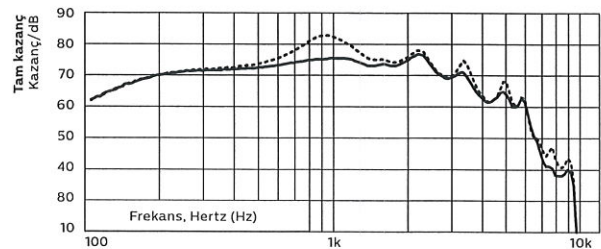
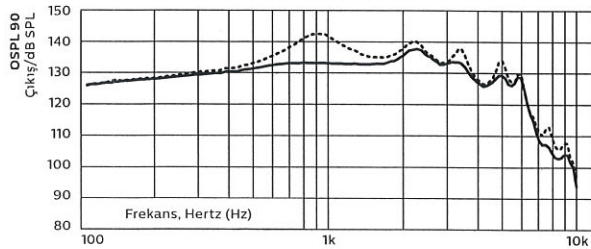
--- Boynuz, damper filtersiz

## 2cc coupler



|                                                | Boynuz, damper filtreli | Boynuz, damper filtersiz |
|------------------------------------------------|-------------------------|--------------------------|
| OSPL90, maks. (dB SPL)                         | 131                     | 139*                     |
| OSPL90, 1600 Hz (dB SPL)                       | 125                     | 127                      |
| OSPL90, HFA (dB SPL)                           | 127                     | 130                      |
| Tam kazanç, maks. (dB)                         | 71                      | 79                       |
| Tam kazanç, 1600 Hz (dB)                       | 66                      | 67                       |
| Tam kazanç, HFA (dB)                           | 67                      | 70                       |
| Referans test kazancı (dB)                     | 50                      | 53                       |
| Durağın akım (mA)                              | 1,4                     | 1,4                      |
| Çalışma akımı (mA)                             | 2,2                     | 2,5                      |
| Bozulma 500/800/1600 Hz (%)                    | <2/3/<2                 | 4/<2/<2                  |
| Frekans aralığı (Hz)                           | 100-6300                | 100-6100                 |
| Eşdeğer giriş gürültüsü <sup>1)</sup> (dB SPL) | 18                      | 19                       |
| Telecoil 1 mA/m 1000 Hz, IEC (dB SPL)          | 105                     | 110                      |
| Telecoil HFA SPLITS (dB SPL)                   | 111                     | 115                      |

## Kulak simülatörü



|                                                | Boynuz, damper filtreli | Boynuz, damper filtersiz |
|------------------------------------------------|-------------------------|--------------------------|
| OSPL90, maks. (dB SPL)                         | 138*                    | 143*                     |
| OSPL90, 1600 Hz (dB SPL)                       | 133*                    | 135*                     |
| OSPL90, HFA (dB SPL)                           | 134*                    | 138*                     |
| Tam kazanç, maks. (dB)                         | 77                      | 83                       |
| Tam kazanç, 1600 Hz (dB)                       | 74                      | 75                       |
| Tam kazanç, HFA (dB)                           | 74                      | 77                       |
| Referans test kazancı (dB)                     | 58                      | 61                       |
| Durağın akım (mA)                              | 1,4                     | 1,4                      |
| Çalışma akımı (mA)                             | 1,6                     | 1,6                      |
| Pil numarası                                   | 13                      | 13                       |
| Bozulma 500/800/1600 Hz (%)                    | <2/4/3                  | 4/<2/<2                  |
| Frekans aralığı (Hz)                           | 100-6700                | 100-6500                 |
| Eşdeğer giriş gürültüsü <sup>1)</sup> (dB SPL) | 17                      | 18                       |
| Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)          | 107                     | 109                      |

<sup>1)</sup> Test kutusu ölçüm ayarlarına göre, teknik veriler geniş kapsamda ölçülmüştür.

IEC 60318-5:2006'ya uygun bir "2cc" coupler'e göre. "Kulak simülatörü", IEC 60318-4:2010'a uygun bir coupler'e göre.

Uygulanan versiyonlar: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015

Tam kazanç, işitme cihazının kazanç kontrol ayarının tamamen açık olduğu durumdaki 20 dB ayarına göre ve 70 dB'lik bir SPL girdisiyle ölçülmüştür. Bu, örn. IEC 60118-0+A1:1994'ten, geri besleme etkisi olmadan tam kazançla eşdeğer bir kazanç tepkisi elde etmek içindir.

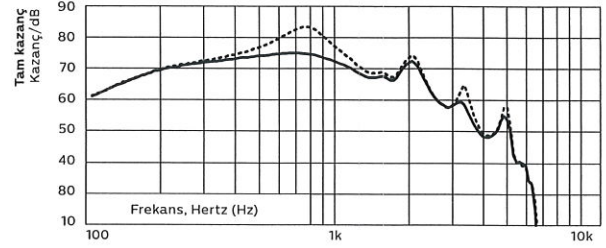
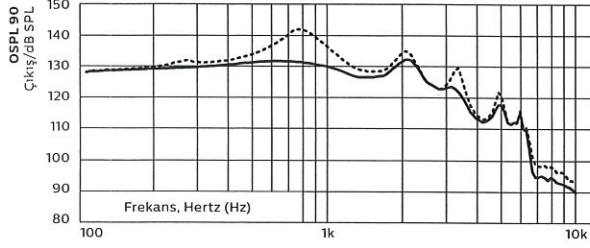
\* İşitme cihazı kullanıcısının geri kalan işitme duyusuna zarar verebilme riski bulunduğu için, maksimum ses basıncı kapasitesi 132 dB SPL'yi (IEC 60318-4) aşan bir işitme cihazı uygulanırken veya kullanılırken özellikle dikkatli olunmalıdır.

# HearLink 7020 | 3020

HEB7022, HEB3022, BTE UP

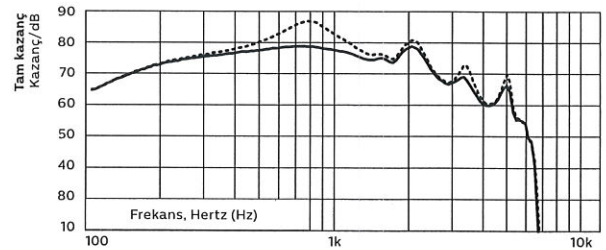
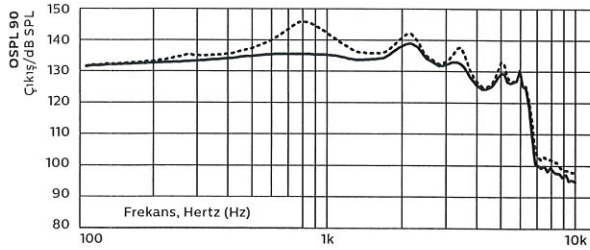
— Boynuz, damper filtresiz ... Boynuz, damper filtresiz

## 2cc coupler



|                                                | Boynuz, damper filtrelı | Boynuz, damper filtresiz |
|------------------------------------------------|-------------------------|--------------------------|
| OSPL90, maks. (dB SPL)                         | 132                     | 142*                     |
| OSPL90, 1600 Hz (dB SPL)                       | 127                     | 128                      |
| OSPL90, HFA (dB SPL)                           | 127                     | 130                      |
| Tam kazanç, maks. (dB)                         | 75                      | 83                       |
| Tam kazanç, 1600 Hz (dB)                       | 68                      | 69                       |
| Tam kazanç, HFA (dB)                           | 67                      | 69                       |
| Referans test kazancı (dB)                     | 51                      | 53                       |
| Durađın akım (mA)                              | 1,5                     | 1,5                      |
| Çalışma akımı (mA)                             | 3,6                     | 4,1                      |
| Bozulma 500/800/1600 Hz (%)                    | 4/4/<2                  | 9/<2/3                   |
| Frekans aralığı (Hz)                           | 100-5300                | 100-5300                 |
| Eşdeđer giriş gürültüsü <sup>1)</sup> (dB SPL) | 21                      | 23                       |
| Telecoil 1 mA/m 1000 Hz, IEC (dB SPL)          | 106                     | 110                      |
| Telecoil HFA SPLITS (dB SPL)                   | 112                     | 112                      |

## Kulak simülatörü



|                                                | Boynuz, damper filtrelı | Boynuz, damper filtresiz |
|------------------------------------------------|-------------------------|--------------------------|
| OSPL90, maks. (dB SPL)                         | 139*                    | 146*                     |
| OSPL90, 1600 Hz (dB SPL)                       | 134*                    | 136*                     |
| OSPL90, HFA (dB SPL)                           | 134*                    | 138*                     |
| Tam kazanç, maks. (dB)                         | 79                      | 87                       |
| Tam kazanç, 1600 Hz (dB)                       | 75                      | 76                       |
| Tam kazanç, HFA (dB)                           | 74                      | 77                       |
| Referans test kazancı (dB)                     | 59                      | 61                       |
| Durađın akım (mA)                              | 1,5                     | 1,5                      |
| Çalışma akımı (mA)                             | 1,8                     | 1,8                      |
| Pil numarası                                   | 675                     | 675                      |
| Bozulma 500/800/1600 Hz (%)                    | 4/6/4                   | 11/<2/3                  |
| Frekans aralığı (Hz)                           | 100-6000                | 100-6000                 |
| Eşdeđer giriş gürültüsü <sup>1)</sup> (dB SPL) | 17                      | 19                       |
| Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)          | 108                     | 110                      |

<sup>1)</sup> Test kutusu ölçüm ayarlarına göre, teknik veriler geniş kapsamda ölçülmüştür.

IEC 60318-5:2006 'ya uygun bir "2cc" coupler'e göredir. "Kulak simülatörü", IEC 60318-4:2010'a uygun bir coupler'e göredir.

Uygulanan versiyonlar: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015

Tam kazanç, işitme cihazının kazanç kontrol ayarının tamamen açık olduđu durumdan eksi 20 dB ayarına göre ve 70 dB'lik bir SPL girdisiyle ölçülmüştür.

Bu, örn. IEC 60118-0+A1:1994'ten, geri besleme etkisi olmadan tam kazançla eşdeđer bir kazanç tepkisi elde etmek içindir.

\* İşitme cihazı kullanıcısının geri kalan işitme duyusuna zarar verebilme riski bulunduğundan dolayı, maksimum ses basıncı kapasitesi 132 dB SPL'yi (IEC 60318-4) aşan bir işitme cihazı uygulanırken veya kullanılırken özellikle dikkatli olunmalıdır.

# Özelliklere genel bakış

|                                                         | HearLink 7020 | HearLink 3020 |
|---------------------------------------------------------|---------------|---------------|
| <b>SoundMap Amplifikasyonu</b>                          |               |               |
| Adaptif Sıkıştırma                                      | 6 seçenek     | -             |
| Ses birimine Odaklanma                                  | ●             | ●             |
| Ses bütünlüğüne Odaklanma                               | ●             | ●             |
| Genişletilmiş Dinamik Aralık                            | ●             | -             |
| Alçak Frekans Artırma                                   | ●             | ●             |
| Frekans Alçaltma                                        | ●             | ●             |
| SoundMap Feedback İptal Edici                           | ●             | ●             |
| <b>SoundMap Gürültü Kontrolü</b>                        |               |               |
| <b>Direksiyonalite</b>                                  |               |               |
| Çok Kanallı Direksiyonalite                             | Orta          | Düşük         |
| Sabit Direksiyonalite                                   | ●             | ●             |
| Omni Direksiyonalite                                    | ●             | ●             |
| <b>Gürültü yönetimi</b>                                 |               |               |
| Gürültü Azaltma                                         | 4 seçenek     | ●             |
| Geçiş                                                   | 3 seçenek     | -             |
| Rüzgâr Gürültüsü Azaltma                                | ●             | ●             |
| Hafif Gürültü Azaltma                                   | ●             | ●             |
| Geçici Gürültü Azaltma                                  | 3 seçenek     | ●             |
| VC adımı boyutu                                         | 2 seçenek     | 2 seçenek     |
| <b>SoundTie Bağlantısı ve çift taraflı koordinasyon</b> |               |               |
| 2,4 GHz Bluetooth® Low Energy                           | ●             | ●             |
| NFMI                                                    | ●             | ●             |
| Çift Taraflı Ses Seviyesi ve Program Değiştirme         | ●             | ●             |
| Çift Taraflı Gürültü Yönetimi                           | ●             | -             |
| Telefon Olmayan Kulak Kontrolü                          | ●             | ●             |
| <b>Programlama seçenekleri</b>                          |               |               |
| Genel                                                   | ●             | ●             |
| Uygulama bantları                                       | 14            | 10            |
| Ortamlar                                                | 13            | 10            |
| Manuel Dinleme Programları                              | 4             | 4             |
| Konser                                                  | ●             | -             |
| Veri Kaydı                                              | ●             | ●             |
| Adaptasyon Yöneticisi                                   | ●             | ●             |



...lisanından  
...yapılan  
bu tercümenin metin içeriğine  
uygunluğunu onaylarım.



SBO Hearing A/S  
Kongebakken 9  
DK-2765 Smørum  
Denmark  
hearingsolutions.philips.com



HearLink 7020|3020 BTE SP ve BTE UP cihazları,  
HearSuite 2019.2 veya üzeri ile programlanabilir

#### Çalıştırma koşulları

- Sıcaklık: +1 °C ile +40 °C (+34 °F ile +104 °F)
- Nem: %5 ile %93, yoğunlaşmamış

#### Saklama ve taşıma koşulları

- Sıcaklık ve nem, uzun süreli taşıma ve saklama sırasında aşağıdaki sınırları aşmamalıdır:
- Sıcaklık: -25 °C ile +60 °C (-13 °F ile +140 °F)
  - Nem: %5 ile %93, yoğunlaşmamış

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Bluetooth® kelimesinin marka ve logoları Bluetooth SIG, Inc. bünyesindeki tescilli ticari markalardır ve Demant A/S tarafından bu tür markaların kullanımı lisansa tabidir. Diğer ticari markalar ve ticari adlar ilgili sahiplerinin ticari markaları ve ticari adlarıdır.

Philips ve Philips Shield Emblem, Koninklijke Philips N.V.'nin tescilli ticari markaları olup, kullanımı lisansa tabidir. Bu ürün SBO Hearing A/S'nin sorumluluğunda üretilmiş olup, bu ürüne SBO Hearing A/S tarafından garanti verilmektedir.

# PHILIPS

## HearLink

### Specification Guide

## HearLink 7020 | 3020 BTE SP & BTE UP

HearLink BTE SP and BTE UP are the most powerful hearing instruments of the Philips HearLink family, suitable for severe to profound hearing losses. They include a telecoil, a single and double Program Button, and come with an undamped earhook. Philips HearLink is a Made for iPhone® hearing instrument and supports Bluetooth® Low Energy (BLE) at 2.4 GHz. Powered by SoundMap technology, the HearLink BTE SP and BTE UP have our most advanced features.

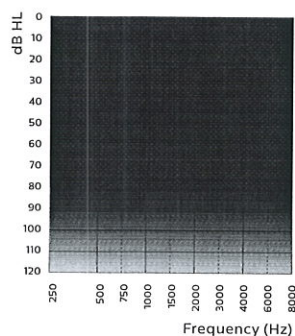
#### Super Power



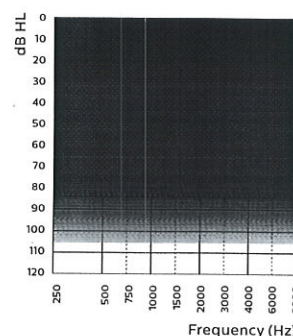
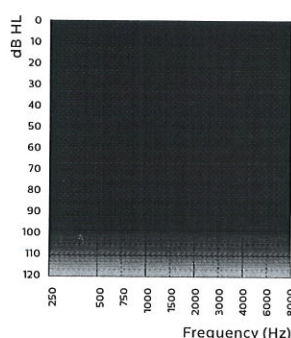
HL 7020 | 3020 BTE SP  
(HEB7021, HEB3021)

Made for

iPhone | iPad | iPod



HL 7020 | 3020 BTE UP  
(HEB7022, HEB3022)



#### Technical features

- 2.4 GHz Bluetooth® Low Energy
- NFMI (near-field magnetic induction)
- 13 size battery for BTE SP
- 675 size battery for BTE UP
- Double and single Program Button
- Multicolor LED indicator
- Telecoil
- Hydrophobic coating
- IP68 rated

#### Accessories & options

- Philips HearLink app (for iOS and Andorid™)
- Remote Control
- TV Adapter
- FittingLINK 3.0 (wireless programming interface)
- AudioClip
- Direct Audio Input (DAI) adapter 1000
- FM adapter 10
- Tamper-resistant battery drawer
- Damping element

#### General features

- Digital Programmable
- Automatic or Manual Volume Control
- Maximum Output Control System
- MPO-Maximum Power Output
- GC-Gain Control
- AGC-Automatic Gain Control
- Noise Reduction
- Feedback Management
- Dual Microphone
- FM Compatible
- 4 Programs
- 48 Channels

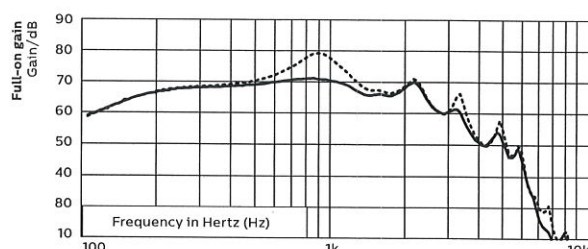
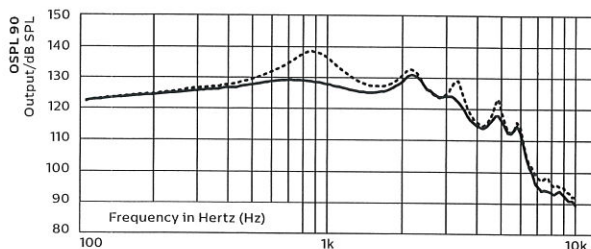
HearLink BTE SP and BTE UP are Made for iPhone®, iPad®, iPod® hearing aids, compatible with devices running iOS 11.0 or later. For information on compatibility, please visit [hearingsolutions.philips.com/compatibility](https://hearingsolutions.philips.com/compatibility).

# HearLink 7020 | 3020

HEB7021, HEB3021, BTE SP

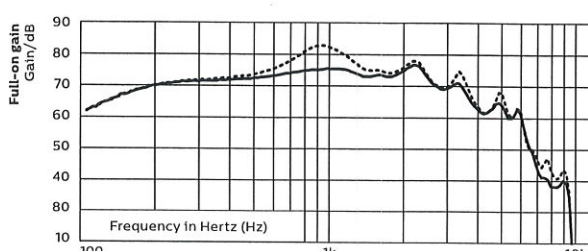
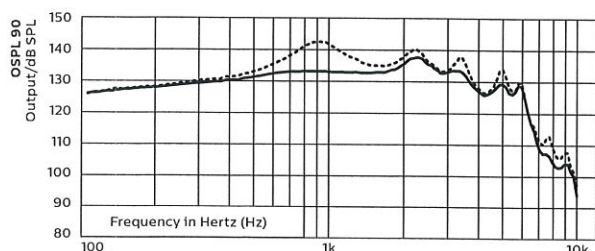
— Earhook damped    ... Earhook undamped

## 2cc coupler



|                                               | Earhook damped | Earhook undamped |
|-----------------------------------------------|----------------|------------------|
| OSPL90, peak (dB SPL)                         | 131            | 139*             |
| OSPL90, 1600 Hz (dB SPL)                      | 125            | 127              |
| OSPL90, HFA (dB SPL)                          | 127            | 130              |
| Full-on gain, peak (dB)                       | 71             | 79               |
| Full-on gain, 1600 Hz (dB)                    | 66             | 67               |
| Full-on gain, HFA (dB)                        | 67             | 70               |
| Reference test gain (dB)                      | 50             | 53               |
| Quiescent current (mA)                        | 1.4            | 1.4              |
| Operating current (mA)                        | 2.2            | 2.5              |
| Distortion 500/800/1600 Hz (%)                | <2/3/<2        | 4/<2/<2          |
| Frequency range (Hz)                          | 100-6300       | 100-6100         |
| Equivalent input noise <sup>1)</sup> (dB SPL) | 18             | 19               |
| Telecoil 1 mA/m 1000 Hz, IEC (dB SPL)         | 105            | 110              |
| Telecoil HFA SPLITS (dB SPL)                  | 111            | 115              |

## Ear simulator



|                                               | Earhook damped | Earhook undamped |
|-----------------------------------------------|----------------|------------------|
| OSPL90, peak (dB SPL)                         | 138*           | 143*             |
| OSPL90, 1600 Hz (dB SPL)                      | 133*           | 135*             |
| OSPL90, HFA (dB SPL)                          | 134*           | 138*             |
| Full-on gain, peak (dB)                       | 77             | 83               |
| Full-on gain, 1600 Hz (dB)                    | 74             | 75               |
| Full-on gain, HFA (dB)                        | 74             | 77               |
| Reference test gain (dB)                      | 58             | 61               |
| Quiescent current (mA)                        | 1.4            | 1.4              |
| Operating current (mA)                        | 1.6            | 1.6              |
| Battery size                                  | 13             | 13               |
| Distortion 500/800/1600 Hz (%)                | <2/4/3         | 4/<2/<2          |
| Frequency range (Hz)                          | 100-6700       | 100-6500         |
| Equivalent input noise <sup>1)</sup> (dB SPL) | 17             | 18               |
| Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)         | 107            | 109              |

<sup>1)</sup> Technical data measured with expansion, corresponding to the test box measurement settings.

"2cc" refers to a coupler according to IEC 60318-5:2006. "Ear simulator" refers to a coupler according to IEC 60318-4:2010.

Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015

Full-on gain is measured with the gain control of the hearing aid set to its full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0+A1:1994 but without influence of feedback.

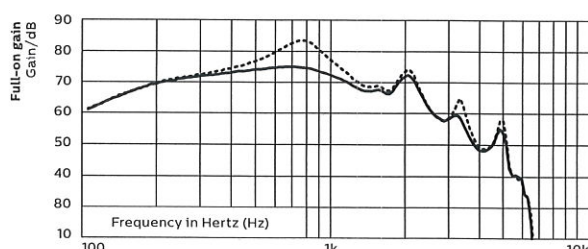
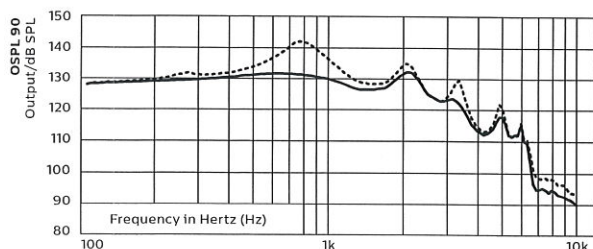
\* Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the hearing instrument user.

# HearLink 7020 | 3020

HEB7022, HEB3022, BTE UP

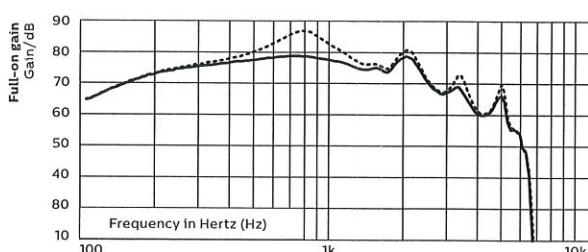
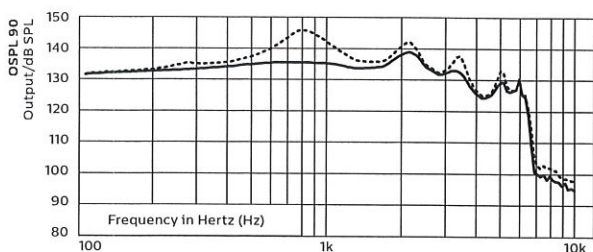
— Earhook damped      ... Earhook undamped

## 2cc coupler



|                                               | Earhook damped | Earhook undamped |
|-----------------------------------------------|----------------|------------------|
| OSPL90, peak (dB SPL)                         | 132            | 142*             |
| OSPL90, 1600 Hz (dB SPL)                      | 127            | 128              |
| OSPL90, HFA (dB SPL)                          | 127            | 130              |
| Full-on gain, peak (dB)                       | 75             | 83               |
| Full-on gain, 1600 Hz (dB)                    | 68             | 69               |
| Full-on gain, HFA (dB)                        | 67             | 69               |
| Reference test gain (dB)                      | 51             | 53               |
| Quiescent current (mA)                        | 1.5            | 1.5              |
| Operating current (mA)                        | 3.6            | 4.1              |
| Distortion 500/800/1600 Hz (%)                | 4/4/<2         | 9/<2/3           |
| Frequency range (Hz)                          | 100-5300       | 100-5300         |
| Equivalent input noise <sup>1)</sup> (dB SPL) | 21             | 23               |
| Telecoil 1 mA/m 1000 Hz, IEC (dB SPL)         | 106            | 110              |
| Telecoil HFA SPLITS (dB SPL)                  | 112            | 112              |

## Ear simulator



|                                               | Earhook damped | Earhook undamped |
|-----------------------------------------------|----------------|------------------|
| OSPL90, peak (dB SPL)                         | 139*           | 146*             |
| OSPL90, 1600 Hz (dB SPL)                      | 134*           | 136*             |
| OSPL90, HFA (dB SPL)                          | 134*           | 138*             |
| Full-on gain, peak (dB)                       | 79             | 87               |
| Full-on gain, 1600 Hz (dB)                    | 75             | 76               |
| Full-on gain, HFA (dB)                        | 74             | 77               |
| Reference test gain (dB)                      | 59             | 61               |
| Quiescent current (mA)                        | 1.5            | 1.5              |
| Operating current (mA)                        | 1.8            | 1.8              |
| Battery size                                  | 675            | 675              |
| Distortion 500/800/1600 Hz (%)                | 4/6/4          | 11/<2/3          |
| Frequency range (Hz)                          | 100-6000       | 100-6000         |
| Equivalent input noise <sup>1)</sup> (dB SPL) | 17             | 19               |
| Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)         | 108            | 110              |

<sup>1)</sup> Technical data measured with expansion, corresponding to the test box measurement settings.

"2cc" refers to a coupler according to IEC 60318-5:2006. "Ear simulator" refers to a coupler according to IEC 60318-4:2010.

Applied versions: IEC 60118-0 / A1:1994, IEC 60118-1 / A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015

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\* Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the hearing instrument user.

# Feature overview



|                                                        | HearLink 7020 | HearLink 3020 |
|--------------------------------------------------------|---------------|---------------|
| <b>SoundMap Amplification</b>                          |               |               |
| Adaptive Compress                                      | 6 options     | -             |
| Phoneme Focus                                          | ●             | ●             |
| Envelope Focus                                         | ●             | ●             |
| Extended Dynamic Range                                 | ●             | -             |
| Low Frequency Enhancement                              | ●             | ●             |
| Frequency Lowering                                     | ●             | ●             |
| SoundMap Feedback Cancellor                            | ●             | ●             |
| <b>SoundMap Noise Control</b>                          |               |               |
| <b>Directionality</b>                                  |               |               |
| Multichannel Directionality                            | Medium        | Low           |
| Fixed Directionality                                   | ●             | ●             |
| Omni Directionality                                    | ●             | ●             |
| <b>Noise management</b>                                |               |               |
| Noise Reduction                                        | 4 options     | ●             |
| Transition                                             | 3 options     | -             |
| Wind Noise Reduction                                   | ●             | ●             |
| Soft Noise Reduction                                   | ●             | ●             |
| Transient Noise Reduction                              | 3 options     | ●             |
| VC step size                                           | 2 options     | 2 options     |
| <b>SoundTie Connectivity and binaural coordination</b> |               |               |
| 2.4 GHz Bluetooth® Low Energy                          | ●             | ●             |
| NFMI                                                   | ●             | ●             |
| Binaural Volume and Program Change                     | ●             | ●             |
| Binaural Noise Management                              | ●             | -             |
| Non-Telephone Ear Control                              | ●             | ●             |
| <b>Programming options</b>                             |               |               |
| General                                                | ●             | ●             |
| Fitting bands                                          | 14            | 10            |
| Environments                                           | 13            | 10            |
| Manual Listening Programs                              | 4             | 4             |
| Concert                                                | ●             | -             |
| Data Logging                                           | ●             | ●             |
| Adaptation Manager                                     | ●             | ●             |

HearLink 7020|3020 BTE SP and BTE UP instruments can be programmed with HearSuite 2019.2 or higher

## Operating conditions

- Temperature: +1 °C to +40 °C (+34 °F to +104 °F)
- Humidity: 5 % to 93 %, non-condensing

## Storage and transportation conditions

- Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage:
- Temperature: -25 °C to +60 °C (-13 °F to +140 °F)
  - Humidity: 5 % to 93 %, non-condensing



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