



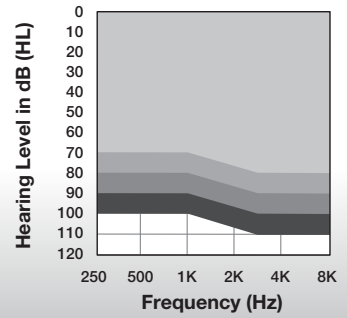
# Starkey | Technical Data

## HS R

Half Shell Rechargeable

### Fitting Range

- L
- M
- P
- UP



### Edge AI 24 | 20 | 16

#### Color Guide

##### Faceplate Colors



##### Shell Colors



#### Patient Features

- IP Rating: 68
- Tinnitus Technology
- Wireless Connectivity
- Rechargeable Battery

#### Edge AI Technology

- Personal health monitoring technology with embedded sensors and artificial intelligence
- Compatible with StarLink 2.0 accessories and StarLink Edge accessories

|  | L                           | M                           | P                           | UP                          | Matrices: L, M, P, UP<br>Battery: Lithium-ion |
|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---|
| <b>Measurement</b>   | <b>ANSI/IEC 2cc Coupler</b> | <b>ANSI/IEC 2cc Coupler</b> | <b>ANSI/IEC 2cc Coupler</b> | <b>ANSI/IEC 2cc Coupler</b> |   |
| Peak OSPL90 (dB SPL)   | 110                         | 114                         | 117                         | 125                         |   |
| HFA OSPL90 (dB SPL)  | 105                         | 109                         | 113                         | 122                         |   |
| Peak Gain (dB)   | 40                          | 50                          | 59                          | 68                          |   |
| HFA Full-On Gain (dB)  | 36                          | 46                          | 55                          | 63                          |   |
| <b>Frequency Range (Hz)</b>                                      | <100-9600                   | <100-8400                   | <100-6600                   | <100-5300                   |   |
| HFA Frequencies (kHz)  | 1.0,1.6,2.5                 | 1.0,1.6,2.5                 | 1.0,1.6,2.5                 | 1.0,1.6,2.5                 |   |
| Reference Test Gain (dB)   | 28                          | 32                          | 36                          | 45                          |   |
| Equivalent Input Noise (dB SPL)<br><i>Expansion On (Default)</i> | 15                          | 15                          | 15                          | 15                          |   |
| Equivalent Input Noise (dB SPL)<br><i>Expansion Off</i>          | 25                          | 25                          | 25                          | 25                          |   |
| <b>Harmonic Distortion</b>                                       |                             |                             |                             |                             |   |
| 500 Hz (%)   | <3                          | <3                          | <3                          | <3                          |   |
| 800 Hz (%)   | <3                          | <3                          | <3                          | <3                          |   |
| 1600 Hz (%)  | <3                          | <3                          | <3                          | <3                          |   |
| <b>Estimated Lithium-ion Battery Life*</b>                       |                             |                             |                             |                             |   |
| Without streaming (hrs)  | Up to 42                    | Up to 42                    | Up to 42                    | Up to 42                    |   |
| With streaming (hrs)   | Up to 36                    | Up to 36                    | Up to 36                    | Up to 36                    |   |
| Battery Current (mA)   | 0.9                         | 0.9                         | 0.9                         | 0.9                         |   |
| <b>Tinnitus Therapy Stimulus</b>                                 |                             |                             |                             |                             |   |
| Max RMS Output (dB SPL)  | 87                          | 87                          | 87                          | 87                          |   |
| Weighted RMS Output Level (dB SPL)                               | 87                          | 87                          | 87                          | 87                          |   |
| Max 1/3 Octave Output (dB SPL)                                   | 87                          | 87                          | 87                          | 87                          |   |

\*Results will vary based on wireless usage.

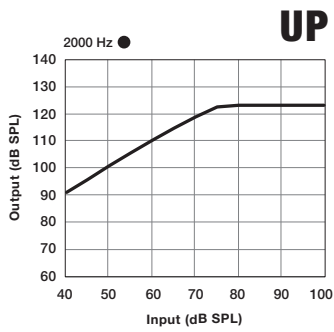
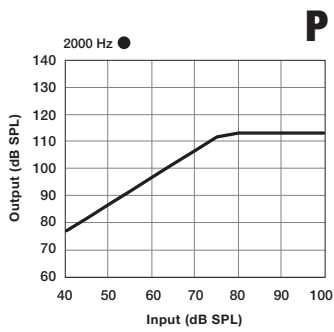
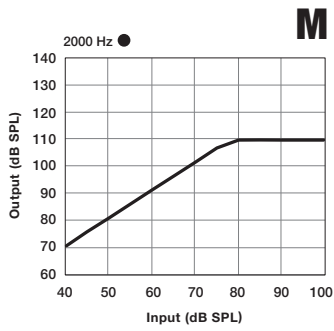
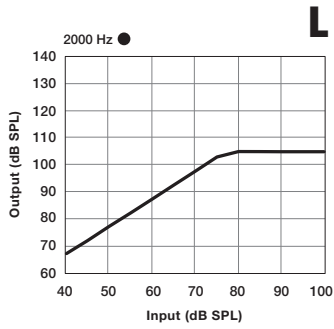


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Latency (ms) 4.3

Attack Time (ms) 3

Release Time (ms) 60



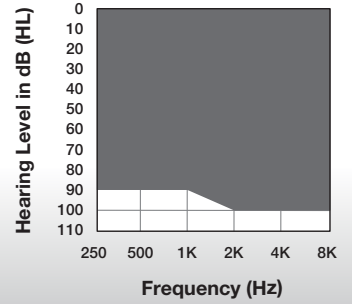
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# HS R

Half Shell Rechargeable

## Fitting Range

● UP-



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## Color Guide

### Faceplate Colors



### Shell Colors



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## Edge AI Technology

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## UP-

Matrices: UP-  
Battery: Lithium-ion

### Measurement

ANSI/IEC  
2cc Coupler

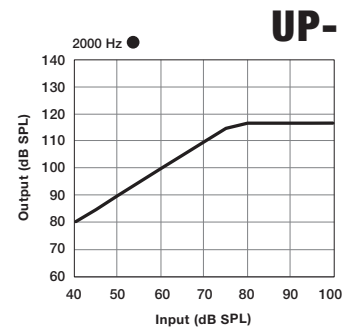
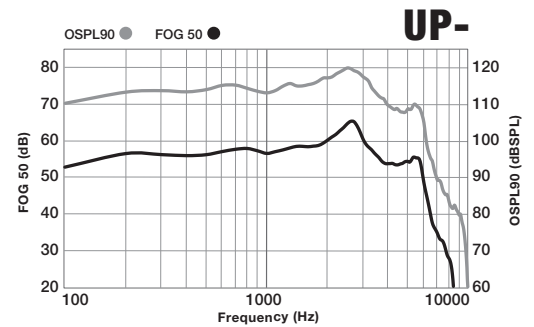
|  |               |
|--|---------------|
| Peak OSPL90 (dB SPL)   | 119           |
| HFA OSPL90 (dB SPL)  | 115           |
| Peak Gain (dB)   | 64            |
| HFA Full-On Gain (dB)  | 58            |
| <b>Frequency Range (Hz)</b>                                      | <100-6500     |
| HFA Frequencies (kHz)  | 1.0, 1.6, 2.5 |
| Reference Test Gain (dB)   | 38            |
| Equivalent Input Noise (dB SPL)<br><i>Expansion On (Default)</i> | 15            |
| Equivalent Input Noise (dB SPL)<br><i>Expansion Off</i>          | 25            |
| <b>Harmonic Distortion</b>                                       |               |
| 500 Hz (%)   | <3            |
| 800 Hz (%)   | <3            |
| 1600 Hz (%)  | <3            |

### Estimated Lithium-ion Battery Life\*

|                         |          |
|-------------------------|----------|
| Without streaming (hrs) | Up to 42 |
| With streaming (hrs)    | Up to 36 |
| Battery Current (mA)    | 0.9      |

### Tinnitus Therapy Stimulus

|                                    |    |
|------------------------------------|----|
| Max RMS Output (dB SPL)            | 87 |
| Weighted RMS Output Level (dB SPL) | 87 |
| Max 1/3 Octave Output (dB SPL)     | 87 |



|                   |     |
|-------------------|-----|
| Latency (ms)      | 4.3 |
| Attack Time (ms)  | 3   |
| Release Time (ms) | 60  |

\*Results will vary based on wireless usage.