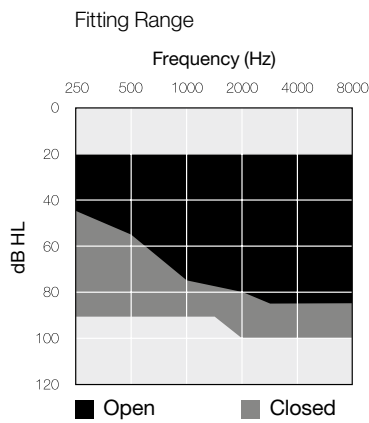


# Danavox Barani

## XA 77 BTE



| Model                                                                                       | XA977-DWT | XA777-DWT | XA577-DWT |
|---------------------------------------------------------------------------------------------|-----------|-----------|-----------|
| Device Configurations                                                                       |           |           |           |
| Battery size                                                                                | 13        |           |           |
| Colours available                                                                           | 6         |           |           |
| Audiological Features                                                                       |           |           |           |
| WARP compression (WDRC)<br>- number of channels                                             | 17        | 14        | 12        |
| Binaural Directionality III                                                                 | ●         |           |           |
| Spatial Sense                                                                               | ●         |           |           |
| Binaural Directionality                                                                     |           | ●         |           |
| Natural Directionality II                                                                   | ●         | ●         | ●         |
| Directional Mix Processor                                                                   | ●         | ●         | ●         |
| Adjustable directional mix                                                                  | ●         |           |           |
| Synchronised Soft Switching                                                                 | ●         | ●         |           |
| Soft Switching                                                                              | ●         | ●         | ●         |
| Autoscope Adaptive Directionality                                                           | ●         |           |           |
| Multiscope Adaptive Directionality                                                          |           | ●         |           |
| Adaptive Directionality                                                                     |           |           | ●         |
| Binaural Environmental Optimiser II                                                         | ●         |           |           |
| Environmental Optimiser                                                                     |           | ●         |           |
| Noise Tracker II                                                                            | ●         | ⊙         | ○         |
| Expansion                                                                                   | ●         | ⊙         | ○         |
| Impulse Noise Reduction                                                                     | ●         | ●         |           |
| Wind Guard                                                                                  | ●         | ⊙         | ○         |
| Sound Shaper                                                                                | ●         | ●         | ●         |
| DFS Ultra II                                                                                | ●         | ●         | ●         |
| Music Mode                                                                                  | ●         | ●         | ●         |
| Synchronised Acceptance Manager                                                             | ●         | ●         | ●         |
| Tinnitus Sound Generator                                                                    | ●         | ●         | ●         |
| Functional Features                                                                         |           |           |           |
| Synchronised Push Button                                                                    | ●         | ●         | ●         |
| Synchronised Volume Control                                                                 | ●         | ●         | ●         |
| Smart Start                                                                                 | ●         | ●         | ●         |
| Phone Now                                                                                   | ●         | ●         | ●         |
| Comfort Phone                                                                               | ●         | ●         | ●         |
| Ear to Ear Communication                                                                    | ●         | ●         | ●         |
| Direct audio streaming (MFi, Android™*)                                                     | ●         | ●         | ●         |
| TV Streamer 2,<br>Remote Control, Remote Control 2,<br>Phone Clip+, Micro Mic and Multi Mic | ●         | ●         | ●         |
| BeMore app                                                                                  | ●         | ●         | ●         |
| Online Services                                                                             |           |           |           |
| Remote Fine Tuning                                                                          | ●         | ●         | ●         |
| Remote Firmware Updates                                                                     | ●         | ●         | ●         |
| Live Assist                                                                                 | ●         | ●         | ●         |
| Fitting Features                                                                            |           |           |           |
| XE BeMore 1.9 or higher                                                                     | ●         | ●         | ●         |
| Fully Flexible Programs                                                                     | 4         | 4         | 4         |
| Auto DFS                                                                                    | ●         | ●         | ●         |
| Onboard Analyser II                                                                         | ●         | ●         | ●         |
| Wireless Fitting with Noahlink Wireless                                                     | ●         | ●         | ●         |

\* Compatible with Android smartphones that support direct Android streaming to hearing aids.

○ Basic  
● Advanced  
● Ultimate



Technical Specifications

|                                                         |                                        | XA77-DWT (Thin tube)                        |                                                             |        |
|---------------------------------------------------------|----------------------------------------|---------------------------------------------|-------------------------------------------------------------|--------|
|                                                         |                                        | IEC 60118-0 2nd<br>IEC 711<br>Ear simulator | IEC 60118-0 3rd<br>IEC 60118-7<br>ANSI S3.22<br>2cc coupler |        |
| Reference test gain (60 dB SPL input)                   | 1600 Hz/HFA                            | 45                                          | 40                                                          | dB     |
| Full-on gain (50 dB SPL input)                          | Max.<br>1600 Hz/HFA                    | 63<br>55                                    | 52<br>49                                                    | dB     |
| Maximum output (90 dB SPL input)                        | Max.<br>1600 Hz/HFA                    | 131<br>122                                  | 128<br>117                                                  | dB SPL |
| Total harmonic distortion                               | 500 Hz<br>800 Hz<br>1600 Hz<br>3200 Hz | 0.7<br>0.2<br>0.8<br>-                      | 0.5<br>0.1<br>0.6<br>0.2                                    | %      |
| Telecoil sensitivity (1 mA/m input)                     | Max.                                   | 92                                          | 83                                                          | dB SPL |
| HFA - SPLIV @ 31.6 mA/m (ANSI)                          | HFA                                    | 107                                         | 101                                                         |        |
| Full-on telecoil sensitivity @ 1mA/m                    | 1600 Hz/HFA                            | 86                                          | 79                                                          |        |
| Equivalent input noise, w/o Noise reduction             |                                        | 25                                          | 22                                                          | dB SPL |
| N1/3 Octave Equivalent input noise, w/o Noise reduction |                                        | 10                                          | 10                                                          | dB SPL |
| Frequency range IEC 60118-0: 2015                       |                                        | 100-9110*                                   | 100-7170                                                    | Hz     |
| Current Drain (Quiescent / Operating)                   |                                        | 1.18/1.22                                   | 1.18/1.2                                                    | mA     |

\* Measured according to IEC60118-0:2015, with 711-Ear simulator coupler.

Data in accordance with IEC60118-0 Edition3.0 2015-06,  
IEC60118-7 and ANSI S3.22-2009, supply Voltage 1.3V

Technical Specifications

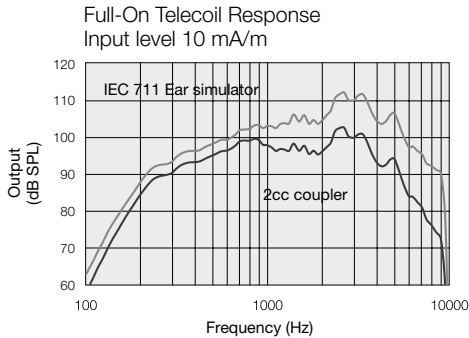
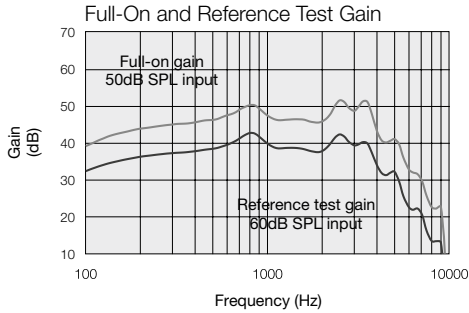
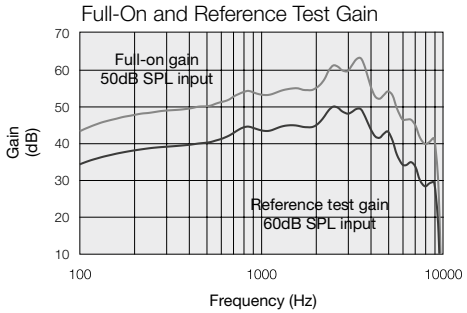
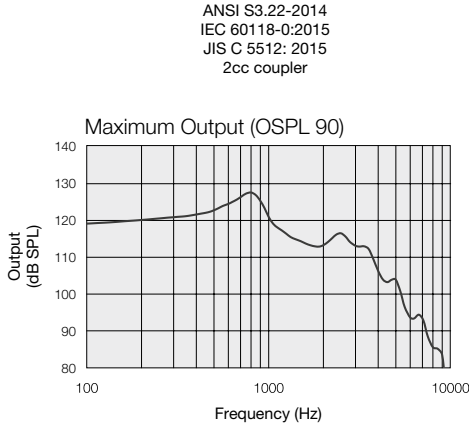
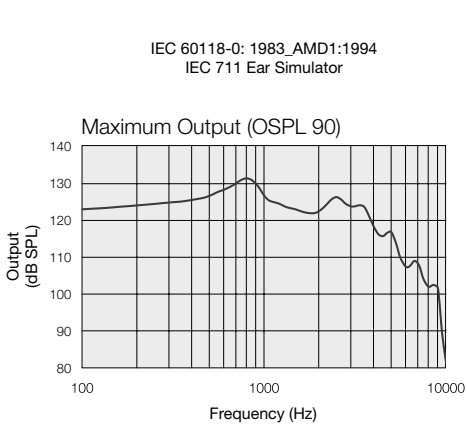
|                                                        |                                        | XA77-DWT (Closed)                           |                                                             |        |
|--------------------------------------------------------|----------------------------------------|---------------------------------------------|-------------------------------------------------------------|--------|
|                                                        |                                        | IEC 60118-0 2nd<br>IEC 711<br>Ear simulator | IEC 60118-0 3rd<br>IEC 60118-7<br>ANSI S3.22<br>2cc coupler |        |
| Reference test gain (60 dB SPL input)                  | 1600 Hz/HFA                            | 48                                          | 45                                                          | dB     |
| Full-on gain (50 dB SPL input)                         | Max.<br>1600 Hz/HFA                    | 66<br>58                                    | 57<br>52                                                    | dB     |
| Maximum output (90 dB SPL input)                       | Max.<br>1600 Hz/HFA                    | 134<br>127                                  | 126<br>122                                                  | dB SPL |
| Total harmonic distortion                              | 500 Hz<br>800 Hz<br>1600 Hz<br>3200 Hz | 0.9<br>1.2<br>1.0<br>-                      | 0.7<br>0.9<br>0.6<br>0.2                                    | %      |
| Telecoil sensitivity (1 mA/m input)                    | Max.                                   | 96                                          | 88                                                          | dB SPL |
| HFA - SPLIV @ 31.6 mA/m (ANSI)                         | HFA                                    | 110                                         | 105                                                         |        |
| Full-on telecoil sensitivity @ 1mA/m                   | 1600 Hz/HFA                            | 88                                          | 83                                                          |        |
| Equivalent input noise, w/o Noise reduction            |                                        | 24                                          | 22                                                          | dB SPL |
| 1/3 Octave Equivalent input noise, w/o Noise reduction |                                        | 10                                          | 11                                                          | dB SPL |
| Frequency range IEC 60118-0: 2015                      |                                        | 100-6790*                                   | 100-6170                                                    | Hz     |
| Current Drain (Quiescent / Operating)                  |                                        | 1.2/1.23                                    | 1.2/1.29                                                    | mA     |

\* Measured according to IEC60118-0:2015, with 711-Ear simulator coupler.

Data in accordance with IEC60118-0 Edition3.0 2015-06,  
IEC60118-7 and ANSI S3.22-2009, supply Voltage 1.3V

Patents pending

All specifications are subject to change without notice



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