

# AQ jam XC Pro R

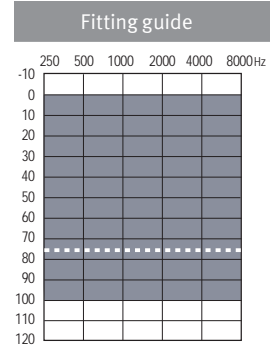
## Rechargeable Hearing System Series



Rechargeable

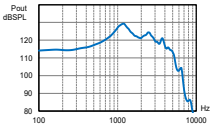
Functionalities	9	7	5	3
<b>Direct Connectivity</b>				
Bluetooth (HFP/A2DP)	•	•	•	•
TV Connector	•	•	•	•
Telephone (MFA)	•	•	•	•
<b>Detection</b>				
SurroundSupervisor XC	•	•	•	•
<b>Localization and Focus</b>				
ConversationOptimizer XC Pro	•			
SphereSound XC Natural	•			
SphereSound XC Personalized	•			
SphereSound XC	•	•	•	
SpeechBeam XC Natural	•			
SpeechBeam XC		•		
<b>Automatic Program</b>				
Conversations in a crowd	•			
Conversations in a small group	•	•		
Music	•	•		
Quiet	•	•	•	
Noise	•	•	•	
Conversations in quiet	•	•	•	•
Conversations in noise	•	•	•	•
AutoSurround XC	7	6	4	2
AutoStream XC (SpeechStream, MusicStream)	•	•	•	•
<b>Optimization and Comfort</b>				
ConversationBoost XC Pro	•	•	•	
Intelligent Acclimatization	•	•	•	•
SoundRestore XC	•	•	•	•
SurroundOptimizer XC	•	•	•	•
ConversationLift	•	•	•	•
NoiseReduction	•	•	•	•
FeedbackManager	•	•	•	•
Sound Impulse Manager	•	•	•	•
Active Wind Block	•	•	•	•
<b>Channels and Programs</b>				
Channels (G/AGC)	20	16	14	12
No. of programs (AutoSurround XC/Manual/Wireless)	7/3/5	6/3/5	4/3/5	2/3/5
<b>In all technology levels</b>				
FocussedFit, stream remote App, SDS 4.0 (Slim Tube and Domes), BiLink, BiPhone, DataLogging, Tinnitus Manager				
<b>Class</b>				
P				
Peak output/gain earhook	130/66			
Peak output/gain Slim Tube	127/60			

AQ jam XC Pro R is rated IP 68

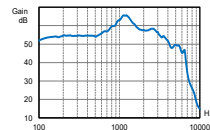


--- Slim tube (power dome)

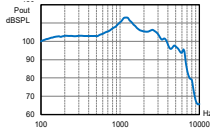
## ANSI 3.22 2014/IEC 60118-0: 2015 2cc coupler technical data



OSPL90		
Maximum (dB SPL)	130	127
HFA - OSPL90 (dB SPL)	125	115



Full on gain (input 50 dB SPL)		
Maximum (dB)	66	60
HFA - FOG (dB)	60	50

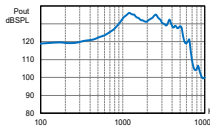


Reference test setting (RTS)		
Frequency range (Hz)	100 - 6800	100 - 7000
Reference test gain (dB)	48	38
Typical battery life (h) *	18	18
Equivalent input noise at RTS (dB SPL)	19	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz/3200 Hz (%)	4.0/3.0/2.0/1.0	1.0/1.0/2.0/1.0

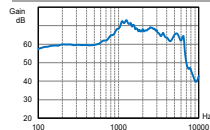
Electromagnetic compatibility		
EMC immunity by ANSI c63.19-2011 EMC, omni	M4	M4

## IEC 60118-0: 1994 OES coupler technical data

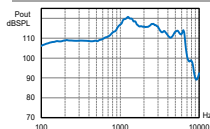
Reference test frequency - IEC 60118-0 (kHz)	1.6	1.6
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OSPL90		
Maximum (dB SPL)	136	132
at RTF (dB SPL)	133	120



Full on gain (input 50 dB SPL)		
Maximum (dB)	73	66
at RTF (dB)	69	58



Basic frequency response		
Frequency range (DIN 45605) (Hz)	100-7000	100-7400
Reference test gain (dB)	58	45
Typical battery life (h) *	18	18
Equivalent input noise at RTG (dB SPL)	19	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	2.5/2.0/1.0	1.0/1.0/3.0

Electromagnetic compatibility		
EMC immunity by IEC 60118-13, 2016 field strength	27/37/41	27/37/41
90/50/35 V/m, omni. IRIL low/medium/high band (dB SPL)		

## Legend

— Earhook

## Test conditions

Lithium-Ion rechargeable battery; Source: voltage 3.8 V  
 \* Typical operating time of the rechargeable battery is based upon a combination of bluetooth streaming and regular hearing instrument usage.  
 The measurements obtained with a closed configuration using an HA-1 coupler (ANSI-3.7-1995).  
 The hearing instrument set to HANSATON scout test settings. LLE is applied at an approximate level of 35 dB SPL.  
 Domes should never be fit on patients with perforated eardrums, exposed middle ear cavities, or surgically altered ear canals. In the case of such a condition, we recommend use of a customized earmold.  
 Sound pressure level of these hearing aids exceeds 132 dB SPL.  
 We reserve the right to change specification data without notice as improvements are introduced.