

jazz XC Pro

312 & 10 Omni In-the-ear Hearing System Series



jazz XC Pro 10



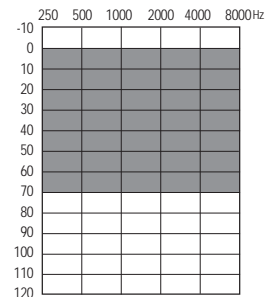
jazz XC Pro 312

Functionalities	9	7	5	3
Detection				
SurroundSupervisor XC	•	•	•	•
Automatic Program				
Conversations in a crowd	•			
Conversations in a small group	•	•		
Music	•	•		
Quiet	•	•	•	
Noise	•	•	•	
Conversations in quiet	•	•	•	•
Conversations in noise	•	•	•	•
AutoSurround XC	7	6	4	2
Optimization and Comfort				
Intelligent Acclimatization	•	•	•	•
SoundRestore	•	•	•	•
SurroundOptimizer XC	•	•	•	•
ConversationLift	•	•	•	•
NoiseReduction	•	•	•	•
FeedbackManager	•	•	•	•
Sound Impulse Manager	•	•	•	•
Active Wind Block	•	•	•	•
Channels and Programs				
Channels (G/AGC)	20	16	14	12
No. of programs (AutoSurround XC/Manual)	7/3	6/3	4/3	2/3
In all technology levels				
FocussedFit, DataLogging, Tinnitus Manager, Telecoil				

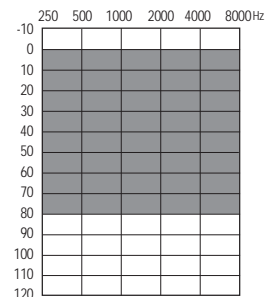
Style	Receiver			Shell Styles
	M	P	SP	
jazz XC Pro 10	D	•	•	IIC/CIC/MC/ITC/HS/FS
jazz XC Pro 312	•	D	•	MC/ITC/HS/FS

D = default (standard) • = optional

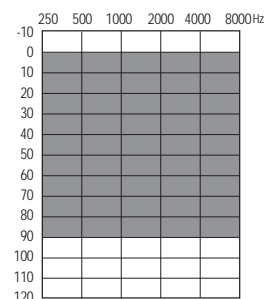
Fitting Guides



Moderate



Power



Super power

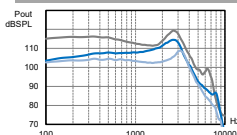
jazz XC Pro 10 and jazz XC Pro 312

Moderate power

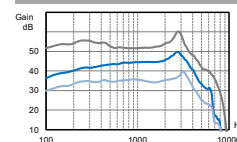
Power

Super power

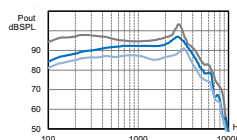
ANSI 3.22 2014/IEC 60118-o: 2015 2cc coupler technical data



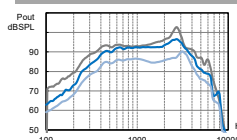
OSPL90			
Maximum (dB SPL)	109	115	119
HFA - OSPL90 (dB SPL)	103	111	114



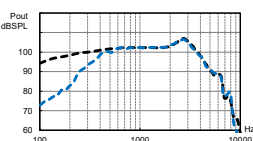
Full on gain (input 50 dB SPL)			
Maximum (dB)	40	50	60
HFA - FOG (dB)	35	46	54



Reference test setting (RTS)			
Frequency range (Hz)	<100 - 7000	<100 - 6700	<100 - 7000
Reference test gain (dB)	26	34	37
Current drain at RTS (mA)	1.0	1.0	1.0
Equivalent input noise at RTS (dB SPL)	19	19	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz/3200 Hz (%)	1.0/1.5/1.0/1.0	1.0/1.0/1.0/1.0	1.0/1.0/1.0/1.0



Induction coil sensitivity (31.6 mA/m)			
HFA SPLIV / ETL5-RTLS (dB SPL/dB)	86/0	94/0	96/-1
HFA MASL (1 mA/m at full on gain) (dB SPL)	65	77	83

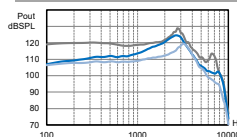


Power: mic at 70 dB SPL vs. induction coil at 100 mA/m

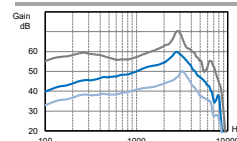
--- Mic
 --- Induction Coil

IEC 60118-o: 1994 OES coupler technical data

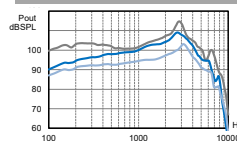
Reference test frequency - IEC 60118-o (kHz)	1.6	1.6	1.6
-----------------------------------------------------	-----	-----	-----



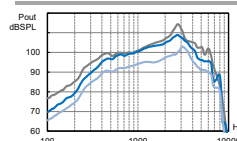
OSPL90			
Maximum (dB SPL)	120	125	129
at RTF (dB SPL)	111	118	120



Full on gain (input 50 dB SPL)			
Maximum (dB)	50	60	70
at RTF (dB)	43	53	61



Basic frequency response			
Frequency range (DIN 45605) (Hz)	<100 - 8000	<100 - 6800	<100 - 7700
Reference test gain (dB)	36	43	45
Current drain at RTG (mA)	1.0	1.0	1.0
Equivalent input noise at RTG (dB SPL)	19	19	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	2.0/2.5/2.0	1.0/2.0/1.0	1.0/1.5/1.0



Induction coil sensitivity			
at RTF (graph shown for 31.6 mA/m at RTG) (dB SPL)	95	103	105
Maximum (1 mA/m at full on gain) (dB SPL)	80	89	100
at RTF (1 mA/m at full on gain) (dB SPL)	73	83	91

WARNING: Changes or modifications to the hearing aid that are not explicitly approved by the manufacturer are not permitted. Such changes may damage the ear or the hearing aid.