

# jazz XC Pro

## 312 Dir W In-the-ear Hearing System Series

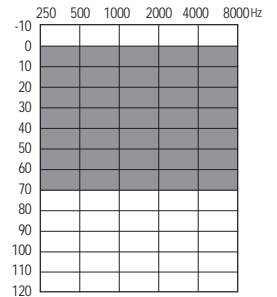


jazz XC Pro 312 Dir W ITE

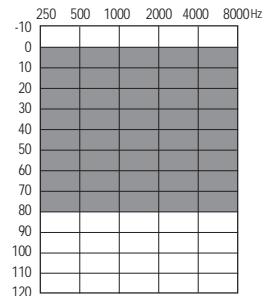
Functionalities	9	7	5	3	
<b>Direct Connectivity</b>					
Bluetooth (HFP/A2DP)	•	•	•	•	
TV Connector	•	•	•	•	
Telephone (MFA)	•	•	•	•	
<b>Detection</b>					
SurroundSupervisor XC	•	•	•	•	
<b>Localization and Focus</b>					
ConversationOptimizer XC Pro	•				
SphereSound XC Natural	•				
SphereSound XC 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, BiLink, BiPhone, DataLogging, Tinnitus Manager					
<b>Style</b>					
		Receiver			Shell Styles
		M	P	SP	UP
Wireless 312 Directional	•	D	•	•	<b>ITC/HS/FS</b>

D = default (standard) • = optional **Bold** = default shell style

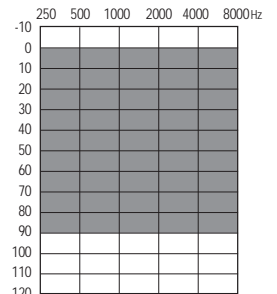
### Fitting Guides



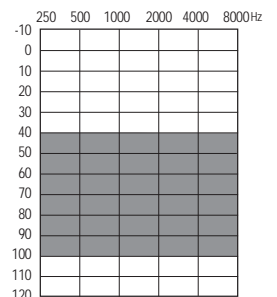
Moderate



Power



Super power



Ultra power

# jazz XC Pro 312 Dir W

Moderate power    Power    Super power    Ultra power

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

	OSPL90				
	Maximum (dB SPL)	109	115	119	127
	HFA - OSPL90 (dB SPL)	103	111	114	120
	Full on gain (input 50 dB SPL)				
	Maximum (dB)	40	50	60	70
	HFA - FOG (dB)	35	46	54	62
	Reference test setting (RTS)				
	Frequency range (Hz)	<100 - 7000	<100 - 6700	<100 - 7000	<100 - 5200
	Reference test gain (dB)	26	34	37	43
	Current drain at RTS (mA) (Wireless)	2.0	2.0	2.0	2.1
	Current drain at RTS (mA) (Non-Wireless)	1.0	1.0	1.0	N/A
	Equivalent input noise at RTS (dB SPL)	19	19	19	19
	Total harmonic distortion at 500 Hz/800 Hz/1600 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	1.0/1.0/1.0/1.0
	Induction coil sensitivity (31.6 mA/m) (Non-Wireless)				
	HFA SPLIV / ETL5-RTLS (dB SPL/dB)	86/0	94/0	96/-1	N/A
	HFA MASL (1 mA/m at full on gain) (dB SPL)	65	77	83	N/A
	Power: mic at 70 dB SPL vs. induction coil at 100 mA/m				

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

	Reference test frequency - IEC 60118-0 (kHz)	1.6	1.6	1.6	1.6
	OSPL90				
	Maximum (dB SPL)	120	125	129	136
	at RTF (dB SPL)	111	118	120	133
	Full on gain (input 50 dB SPL)				
	Maximum (dB)	50	60	70	78
	at RTF (dB)	43	53	61	76
	Basic frequency response				
	Frequency range (DIN 45605) (Hz)	<100 - 8000	<100 - 6800	<100 - 7700	<100 - 5000
	Reference test gain (dB)	36	43	45	58
	Current drain at RTG (mA) (Wireless)	2.0	2.0	2.0	2.1
	Current drain at RTG (mA) (Non-Wireless)	1.0	1.0	1.0	N/A
	Equivalent input noise at RTG (dB SPL)	19	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	1.0/1.5/1.0
	Induction coil sensitivity (Non-Wireless)				
	at RTF (graph shown for 31.6 mA/m at RTG) (dB SPL)	95	103	105	NA
	Maximum (1 mA/m at full on gain) (dB SPL)	80	89	100	NA
	at RTF (1 mA/m at full on gain) (dB SPL)	73	83	91	NA

### Legend

- Ultra Power
- Super Power
- Power
- Moderate Power

### Test conditions

Battery size: 10A/312; Source voltage: 1.3 V; Vent: closed at canal end.  
 Tubing 5 mm (2cc/OES coupler) - All Power Levels.  
 The hearing instrument is set to HANSATON scout test settings. LLE is applied at an approximate level of 35 dB SPL.  
 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.

**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.