

beat

675 UP BTE hearing aid series



675 UP

Performance profile	7	3
Channels / bands	16	6
Processing types	WDRC and linear	WDRC and linear
Adaptive Directional	Multiband	Multiband

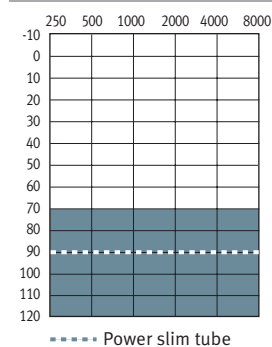
Features		
AutoSurround	AutoSurround 4	AutoSurround 2
SurroundOptimizer SP	•	•
AcclimatizationManager UP	•	•
BiLink	•	•
BiPhone	•	
Pinna Effect	•	
BassBooster	•	•
Manual programs	Up to 3	Up to 3
FeedbackManager	•	•
ConversationLift	•	•
Sound Impulse Manager	•	•
PhoneConnect	•	•
AutoDAI	•	•
MusicSelect	Automatic	•

In all technology levels
3 wireless programs, DataLogging, Active Wind Block, plasma coating and IP57

Accessories (optional)		
Remote control RCV1	•	•
uDirect 2	•	•
uTV 3	•	•
uMic	•	•

Class	675 UP
Peak output / gain 2cc power tube	142 / 82
Peak output / gain 2cc filtered earhook	135 / 75
Peak output / gain 2cc unfiltered earhook	142 / 82
Battery size	675

Fitting guides

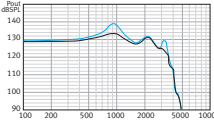
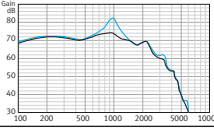
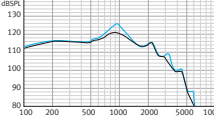
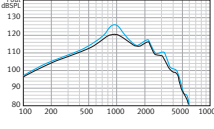
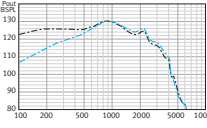


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40-SP



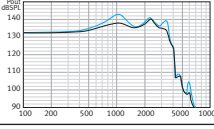
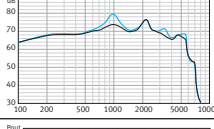
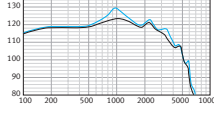
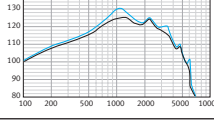
ANSI 3.22 2003/IEC 118-7 2CC coupler technical data

Reference test frequency - IEC 118-7 (kHz)		1.6	1.6	1.6
	OSPL90			
	Maximum (dB SPL)	142	135	142
	Nominal (dB SPL)	139	133	139
	ANSI HFA (dB SPL)	124	129	133
at RTF (dB SPL)		122	128	129
	Full on gain (input 50 dB SPL)			
	Maximum (dB)	82	75	82
	ANSI HFA (dB)	65	69	73
	at RTF (dB)	61	68	69
	Basic frequency response (ANSI 2003)			
	Frequency range (Hz)	< 100-5000	< 100-5000	< 100-4900
	Reference test gain (dB)	47	52	56
	Current drain at RTG (mA)	2.0	2.0	2.0
	Typical battery life (h)	320	320	320
	Equivalent input noise at RTG (dB SPL)	19	19	19
	Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	4/2/1	4/2/1	4/2/1
	Induction coil sensitivity (ANSI 2003, 31.6 mA/m)			
	HFA SPLITS/STS-RSETS (dB SPL/dB)	108/1	113/1	117/1
	 <p>Mic at 70 dB SPL vs induction coil at 100 mA/m</p> <p>— Mic — Induction coil</p>			

Electromagnetic compatibility

EMC immunity by ANSI c63.19-2001 EMC, omni/telecoil	M2/T2	M2/T2	M2/T2
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IEC 118-o OES coupler technical data

Reference test frequency - IEC 118-o (kHz)		1.6	1.6	1.6
	OSPL90			
	Maximum (dB SPL)	144	139	144
	at RTF (dB SPL)	130	135	136
	Full on gain (input 50 dB SPL)			
	Maximum (dB)	85	80	85
	at RTF (dB)	71	77	77
	Basic frequency response			
	Frequency range (DIN 45605) (Hz)	< 100-5000	< 100-5000	< 100-5000
	Reference test gain (dB)	53	60	61
	Current drain at RTG (mA)	1.3	1.3	1.3
	Typical battery life (h)	500	500	500
	Equivalent input noise at RTG (dB SPL)	19	19	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	5/3/2	5/3/2	5/3/2	
	Induction coil sensitivity			
	at RTF (graph shown for 31.6 mA/m at RTG) (dB SPL)	115	123	124
Electromagnetic compatibility				
EMC immunity by IEC 60118-13, field strength 75/50 V/m, omni IRIL low/high band (dB SPL)		24/52	24/52	24/52

Legend

- filtered earhook
- unfiltered earhook

Test conditions

Battery size: 675; Source: voltage 1.3 V; Tubing: length 25 mm, inside diameter 1.93 mm; Power tube length: 1

Measurement data obtained with closed configuration using an HA-2 coupler (ANSI-3.7-1995) or occluded ear simulator (EN 60711, coupling arrangement according to fig.4 in the test standard), and set to linear, omni mode with all adaptive features disabled.

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.