

beat SHD

RS675 Hearing System Series



RS675

Functionalities	9	7	5	3
-----------------	---	---	---	---

Fitting guide

Detection

SurroundSupervisor SHD	•	•	•	•
------------------------	---	---	---	---

Localization and Focus

SphereSound SHD Dynamic	•			
-------------------------	---	--	--	--

SpeechBeam SHD-3	•			
------------------	---	--	--	--

SphereSound SHD Personalized	•	•		
------------------------------	---	---	--	--

SpeechBeam SHD-2		•		
------------------	--	---	--	--

SphereSound SHD Static	•	•	•	
------------------------	---	---	---	--

SpeechBeam SHD-1			•	
------------------	--	--	---	--

Automatic Program

Music	•	•		
-------	---	---	--	--

Noise	•	•	•	
-------	---	---	---	--

Conversations in a small group	•	•	•	
--------------------------------	---	---	---	--

Conversations in a crowd	•	•	•	
--------------------------	---	---	---	--

Conversations in noise	•	•	•	•
------------------------	---	---	---	---

Conversations in quiet	•	•	•	•
------------------------	---	---	---	---

Quiet	•	•	•	•
-------	---	---	---	---

AutoSurround SHD	7	7	6	3
------------------	---	---	---	---

Optimization and Comfort

SurroundOptimizer SHD Power	•	•	•	•
-----------------------------	---	---	---	---

AcclimatizationManager Power	•	•	•	•
------------------------------	---	---	---	---

ConversationLift+ Power	•	•	•	Speech Lift Power
-------------------------	---	---	---	-------------------

NoiseReduction	•	•	•	•
----------------	---	---	---	---

FeedbackManager	•	•	•	•
-----------------	---	---	---	---

Sound Impulse Manager SHD	•	•	•	•
---------------------------	---	---	---	---

Active Wind Block	•	•	•	•
-------------------	---	---	---	---

SoundRestore Power	•	•	•	•
--------------------	---	---	---	---

DataLogging	•	•	•	•
-------------	---	---	---	---

Tinnitus Manager	•	•	•	•
------------------	---	---	---	---

PhoneConnect	•	•	•	•
--------------	---	---	---	---

BiLink	•	•	•	•
--------	---	---	---	---

BiPhone	•	•	•	•
---------	---	---	---	---

Bluetooth (accessory needed)	•	•	•	•
------------------------------	---	---	---	---

Channels and Programs

Channels (G/AGC)	20	16	12	8
------------------	----	----	----	---

No. of programs (AutoSurround SHD/Manual/Wireless)	7/3/3	7/3/3	6/3/3	3/3/3
---	-------	-------	-------	-------

In all technology levels

Audio input, Telecoil, RCV2, uStream, uDirect3, uTV3, uMic2

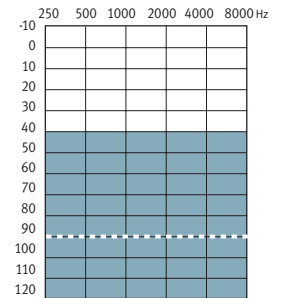
Class	UP
-------	----

Peak output / gain earhook (filtered, standard)	133/75
---	--------

Peak output / gain earhook (unfiltered, optional)	139/82
---	--------

Power slimtube (optional)	139/82
---------------------------	--------

Battery size	675
--------------	-----



--- Power slimtube

beat SHD RS675 is rated IP 68



0124

beat SHD

RS675 Hearing System Series

Power Slim Tube
(optional)

Filtered Earhook
(standard)

Unfiltered Earhook
(optional)

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

	OSPL90			
	Maximum (dB SPL)	139	133	139
	HFA - OSPL90 (dB SPL)	124	129	133
	Full on gain (input 50 dB SPL)			
	Maximum (dB)	82	75	82
	HFA - FOG (dB)	65	69	73
	Reference test setting (RTS)			
	Frequency range (Hz)	<100-5000	<100-5300	<100-5100
	Reference test gain (dB)	47	52	56
	Current drain at RTS (mA)	1,9	1,8	1,9
	Typical battery life (h)	340	360	340
	Equivalent input noise at RTS (dB SPL)	19	19	19
	Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	4.0/2.0/1.0	2.0/1.0/1.0	4.0/1.0/1.0
	Induction coil sensitivity (31.6 mA/m)			
	HFA SPLIV/ETLS-RTLS (dB SPL/dB)	108/0	112/0	116/0
	HFA MASL (1 mA/m at full on gain) (dB SPL)	95	99	103
	Standard: mic at 70 dB SPL vs induction coil at 100 mA/m			
		--- Mic	— Induction Coil	
Electromagnetic compatibility				
EMC immunity by ANSI c63.19-2011 EMC, omni/telecoil		M2/T2	M2/T2	M2/T2

EC 60118-0 OES coupler technical data

Reference test frequency IEC 118-0 (kHz)				
	OSPL90			
	Maximum (dB SPL)			143
	HFA - OSPL90 (dB SPL)			137
	Full on gain (input 50 dB SPL)			
	Maximum (dB)			82
	HFA - FOG (dB)			78

Legend

- Filtered
- Unfiltered

Test conditions

Earhook: filtered; Battery size: 675; Source: voltage 1.3 V; Tubing: length 25 mm, inside diameter 1.93 mm
 The hearing system is set to HANSATON scout test settings. LLE (Low Level Expansion) 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.

