Technical Data

eXtra™ 33 FS AZ

CE 0459

Full shell with battery size 13 and AudioZoom

Ear simulator data

EN / IEC 60118 and IEC 60711

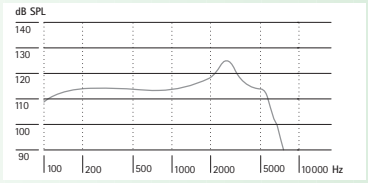
Output sound pressure level

(Input 90 dB SPL)

Maximum	1600 Hz
125 dB SPL	116 dB SPL

Frequency response

— Max. gain (Input 90 dB SPL)



Acoustic gain

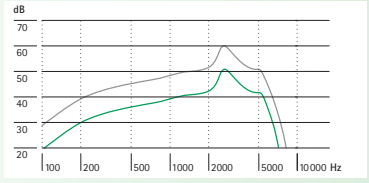
(Input 50 dB SPL)

Maximum	1600 Hz	RTG
60 dB	50 dB	41 dB

Frequency response

— Max. gain (Input 50 dB SPL)

— Reference test gain (Input 60 dB SPL)



Frequency range (DIN 45605)	150–6500 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	2,0 %	1,5 %	1,5 %
Battery current	Quiescent	Working	
	1,0 mA	1,1 mA	
Equivalent input noise level	19 dB SPL		

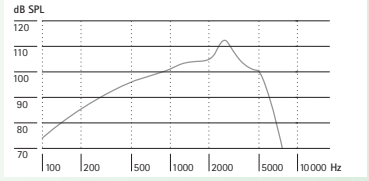
Induction coil sensitivity

(Input 1 mA/m)

Maximum	1600 Hz
93 dB SPL	83 dB SPL

Frequency response

— Reference test gain (Input 31.6 mA/m)



Dynamic data

Compression	Attack time	Recovery time
	1 ms	10 ms

Unless otherwise specified, all data obtained are measured with a 6 mm tubing in the dSC mode.

Measurements were taken in July 2005 and are subject to change without notice.

PHONAK hearing systems

Technical Data

eXtra™ 33 FS AZ

2 cm³ coupler data

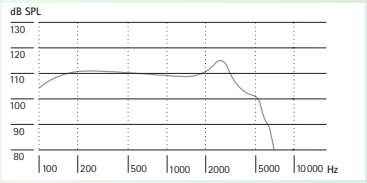
ANSI S3.22-1996

Output sound pressure level

(Input 90 dB SPL)	Maximum	HFA
	115 dB SPL < 118 dB SPL	111 dB SPL

Frequency response

— Full-on-gain (Input 90 dB SPL)

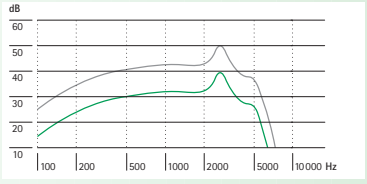


Acoustic gain

(Input 50 dB SPL)	Maximum	HFA	RTG
	50 dB	44 dB	34 dB

Frequency response

— Full-on-gain (Input 50 dB SPL)
— Reference test gain (Input 60 dB SPL)



Frequency range	<100–6400 Hz

Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1,5 % < 4,5 %	1,0 % < 4,0 %	1,0 % < 4,0 %

Battery current	Quiescent	Working
	1,0 mA	1,1 mA < 1,3 mA

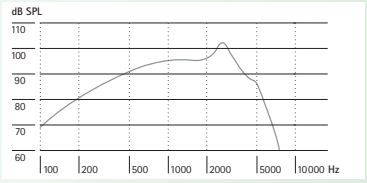
Equivalent input noise level	19 dB SPL < 22 dB SPL

Induction coil sensitivity

(Input 31.6 mA/m)	HFA – SPLIV	TLS
	97 dB SPL	+3 dB

Frequency response

— Reference test gain (Input 31.6 mA/m)



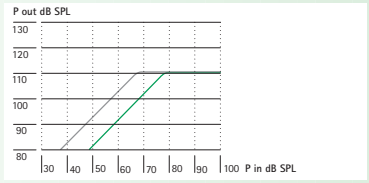
Dynamic data

Compression	Attack time	Recovery time
	1 ms	10 ms

2 cm³ coupler data

Input / Output characteristics at 2000 Hz

— Full-on-gain
— Reference test gain



PHONAK hearing systems