

Specification Guide

Captivate 40 | 20 BTE 105

Captivate is the next generation hearing instrument breakthrough on the Sonic SoundDNA platform. The BTE 105 is designed for users with mild to profound hearing losses. It includes 2.4 GHz Bluetooth® Low Energy and NFMI technology, a telecoil, and double push button for

volume and program changes. The Captivate BTE 105 is available with an earhook and compatible with the miniFit thin tube system for use with a variety of domes and custom molds.

MINIFIT 0.9 MM



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MINIFIT 1.3 MM



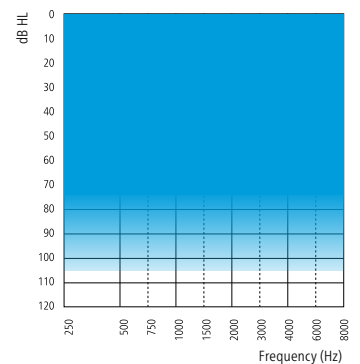
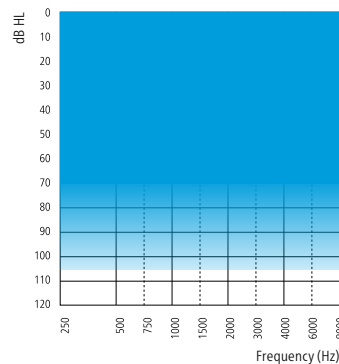
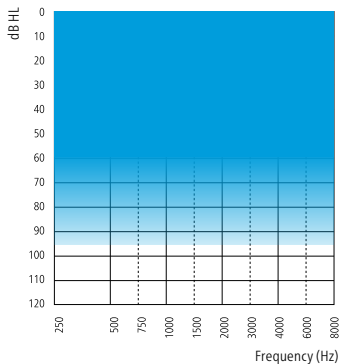
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EARHOOK



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Made for
iPhone | iPad | iPod



Technical features

- 2.4 GHz Bluetooth® Low Energy
- NFMI (near-field magnetic induction)
- 13 size battery
- Double push button
- Telecoil
- miniFit thin tube
- Hydrophobic coating
- IP68 rated

Accessories

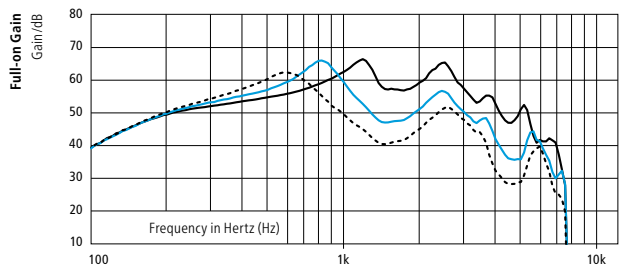
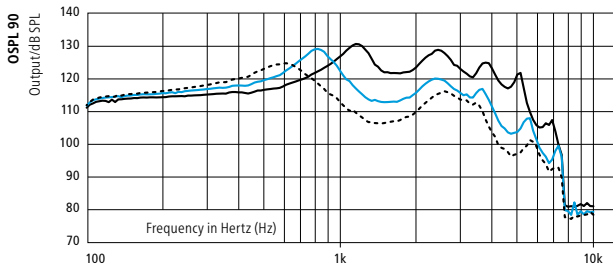
- SoundLink 2 app (for iOS and Android™)
- RC-A (remote control)
- TV-A (TV adapter)
- SoundClip-A
- Direct Audio Input (DAI) adapter
- FM adapter

Captivate is a Made for iPhone® hearing aid, compatible with devices running iOS 9.3 or later. For information on compatibility, please visit www.sonici.global/compatibility.

CAPTIVATE 40|20 BTE 105

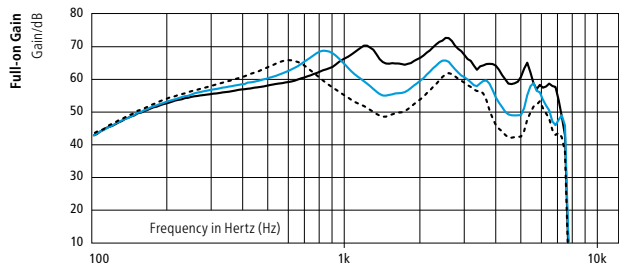
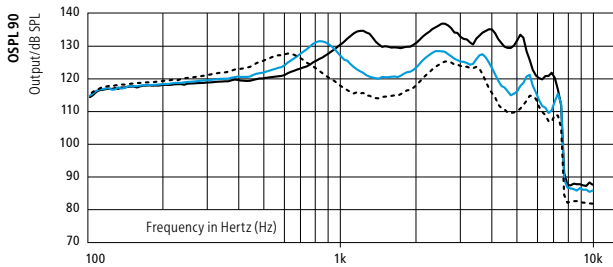
— Earhook
 — Thin tube 1.3 mm
 - - - Thin tube 0.9 mm

2CC COUPLER



	EARHOOK	THIN TUBE 1.3	THIN TUBE 0.9
OSPL90, Peak (dB SPL)	131	129	125
OSPL90, 1600 Hz (dB SPL)	122	113	107
OSPL90, HFA (dB SPL)	126	119	112
Full-on Gain, Peak (dB)	66	66	62
Full-on Gain, 1600 Hz (dB)	57	47	41
Full-on Gain, HFA (dB)	62	54	47
Reference Test Gain (dB)	50	43	36
Quiescent Current (mA)	1.6	1.6	1.6
Operating Current (mA)	1.9	2.0	2.0
Battery Size	13	13	13
Distortion 500/800/1600 Hz (%)	<4/<2/<2	<2/<2/<2	<2/<2/<2
Frequency Range (Hz)	100-5800	100-6700	100-6700
Equivalent Input Noise ¹⁾ (dB SPL)	14	18	22
Telecoil 1 mA/m 1000 Hz, IEC (dB SPL)	91	-	-
Telecoil HFA SPLITS (dB SPL)	106	100	93

EAR SIMULATOR



	EARHOOK	THIN TUBE 1.3	THIN TUBE 0.9
OSPL90, Peak (dB SPL)	138*	132*	128
OSPL90, 1600 Hz (dB SPL)	130	121	115
OSPL90, HFA (dB SPL)	133	126	120
Full-on Gain, Peak (dB)	73	69	66
Full-on Gain, 1600 Hz (dB)	65	56	50
Full-on Gain, HFA (dB)	68	62	55
Reference Test Gain (dB)	56	47	41
Quiescent Current (mA)	1.6	1.5	1.5
Operating Current (mA)	1.7	1.6	1.6
Battery Size	13	13	13
Distortion 500/800/1600 Hz (%)	<7/<4/<2	<3/<2/<2	<2/<2/<2
Frequency Range (Hz)	140 – 7290	100 – 7500	100 – 7500
Equivalent Input Noise ¹⁾ (dB SPL)	18	24	25
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	96	-	-
Telecoil HFA SPLITS (dB SPL)	-	-	-

1) Technical data measured with expansion, corresponding to the test box measurement settings.

*"2cc" refers to a coupler according to IEC 60318-5:2006. "Ear simulator" refers to a coupler according to IEC 60318-4:2010.

Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015.

Full-on gain is measured with the gain control of the hearing aid set to its full-on position minus 20 dB and with an input SPL of 70 dB.

This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0+A1:1994 but without influence of feedback.

* Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the hearing instrument user.

FEATURE OVERVIEW

	CAPTIVATE 40	CAPTIVATE 20
SOUND QUALITY		
Signal Processing	Speech Variable Processing	
Frequency Bandwidth	8 kHz	8 kHz
Phoneme Focus	●	●
Envelope Focus	●	●
Low Frequency Enhancement	●	●
Frequency Transfer	●	-
Adaptive Feedback Canceller Pro	●	●
NOISE MANAGEMENT		
SPIN Noise Reduction	●	●
Wind Noise Reduction	●	●
Soft Noise Reduction	●	●
Impulse Noise Reduction	●	-
DIRECTIONALITY		
SPIN Directionality	1 option: Low	1 option: Low
Fixed Directionality	●	●
Omni Directionality	●	●
BINAURAL COORDINATION		
Volume and Program Change	●	●
Non-Telephone Ear Control	●	●
PROGRAMMING OPTIONS		
Universal Program	●	●
Fitting Bands	10	8
Environments	10	10
Manual Listening Programs	4	4
Data Logging	●	●
Adaptation Manager	●	●
Tinnitus SoundSupport	●	●

Captivate 40|20 B 105 can be programmed with EXPRESSfit® Pro 2020.1 or higher

Operating Conditions

- Temperature: +1°C to +40°C (+34 °F to +104 °F)
- Humidity: 5 % to 93 %, non-condensing

Storage and Transportation Conditions

Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage:

- Temperature: -25°C to +60°C (-13 °F to +140 °F)
- Humidity: 5 % to 93 %, non-condensing

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IP68



Waste from electronic
equipment must be
handled according to
local regulations.



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