



75 90

	Own 1	Own 2	Own 3	
Speech Understanding	MoreSound Intelligence™	Level 1	Level 2	Level 3
	- Environment configuration	5 Options	5 Options	3 Options
	- Neural Noise Suppression, Difficult / Easy	10 dB / 4 dB	6 dB / 2 dB	6 dB / 0 dB
	- Sound Enhancer	3 Configurations	2 Configurations	1 Configuration
	MoreSound Amplifier™	•	•	•
	Feedback Prevention	MoreSound Optimizer™ & Feedback shield	MoreSound Optimizer™ & Feedback shield	MoreSound Optimizer™ & Feedback shield
	Soft Speech Booster	•	•	•
Sound Quality	Frequency lowering	Speech Rescue™	Speech Rescue™	Speech Rescue™
	Clear Dynamics	•	•	-
	Fitting Bandwidth*	10 kHz	8 kHz	8 kHz
Listening Comfort	Processing Channels	64	48	48
	Transient Noise Management	4 Configurations	3 Configurations	3 Configurations
Personalisation & Optimising Fitting	Fitting Bands	24	20	18
	Adaptation Manager	•	•	•
	Fitting Formulas	VAC+, NAL-NL1/NAL-NL2, DSL 5.0	VAC+, NAL-NL1/NAL-NL2, DSL 5.0	VAC+, NAL-NL1/NAL-NL2, DSL 5.0

* Bandwidth accessible for gain adjustments during fitting

Operating Conditions

Temperature: +1°C to +40°C (34°F to 104°F)
 Humidity: 5% to 93% relative humidity, non-condensing
 Atmospheric pressure: 700 hPa to 1060 hPa

Storage and transportation conditions

Temperature and humidity should not exceed the below limits for extended periods during transportation and storage.

Transportation

Temperature: -25°C to +60°C (-13°F to 140°F)
 Humidity: 5% to 93% relative humidity, non-condensing
 Atmospheric pressure: 700 hPa to 1060 hPa

Storage

Temperature: -25°C to +60°C (-13°F to 140°F)
 Humidity: 5% to 93% relative humidity, non-condensing
 Atmospheric pressure: 700 hPa to 1060 hPa



IP68



		Own 4	Own 5
Speech Understanding	OpenSound Navigator™	•	-
	- Max. noise removal difficult/simple	6 dB / 0 dB	-
	Noise Reduction	-	•
	Speech Guard™	•	-
	Single Compression	-	•
	Frequency lowering	Speech Rescue™	Speech Rescue™
Sound Quality	Fitting Bandwidth*	8 kHz	8 kHz
	Processing Channels	48	48
Listening Comfort	Feedback Management	SuperShield & Feedback shield LX	SuperShield & Feedback shield LX
	Transient Noise Management	On/Off	-
Personalisation & Optimising Fitting	Fitting Bands	14	12
	Adaptation Manager	•	•
	Fitting Formulas	NAL-NL1/NAL-NL2, DSL v5.0	NAL-NL1/NAL-NL2, DSL v5.0

* Bandwidth accessible for gain adjustments during fitting

Operating Conditions

Temperature: +1°C to +40°C (34°F to 104°F)
 Humidity: 5% to 93% relative humidity, non-condensing
 Atmospheric pressure: 700 hPa to 1060 hPa

Storage and transportation conditions

Temperature and humidity should not exceed the below limits for extended periods during transportation and storage.

Transportation

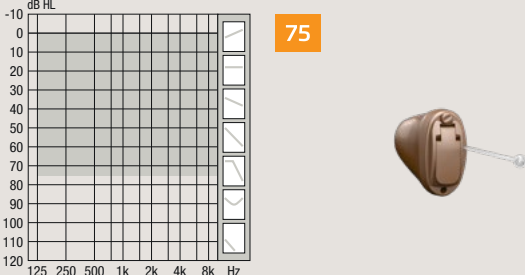
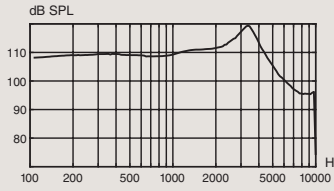
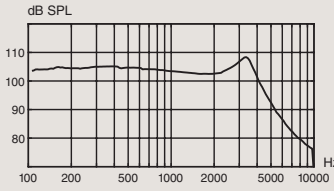
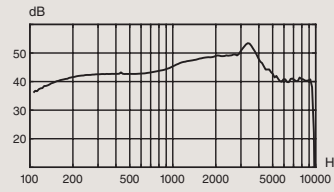
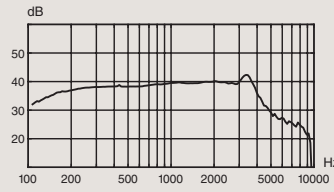
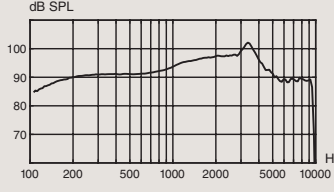
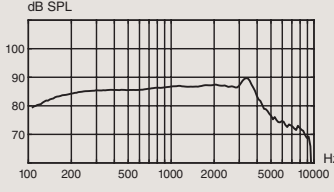
Temperature: -25°C to +60°C (-13°F to 140°F)
 Humidity: 5% to 93% relative humidity, non-condensing
 Atmospheric pressure: 700 hPa to 1060 hPa

Storage

Temperature: -25°C to +60°C (-13°F to 140°F)
 Humidity: 5% to 93% relative humidity, non-condensing
 Atmospheric pressure: 700 hPa to 1060 hPa



IP68

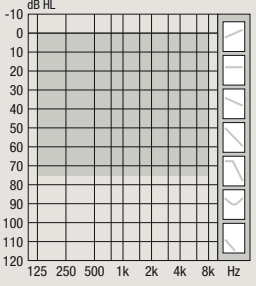
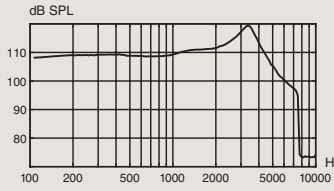
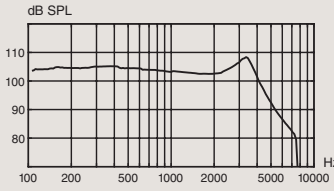
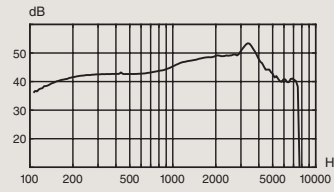
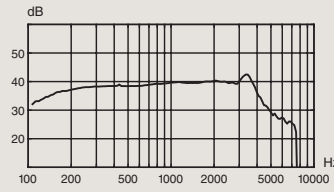
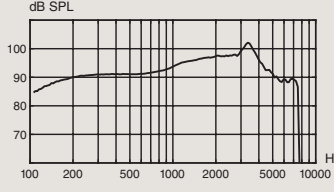
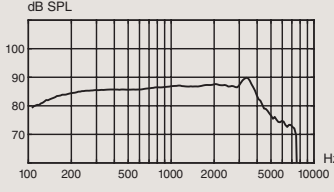
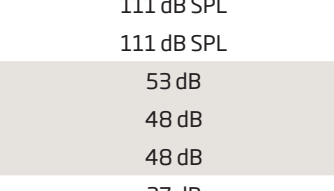
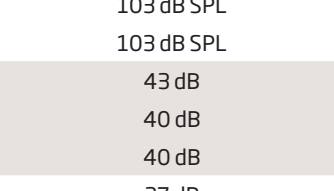
		Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	2CC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
 <p>Technical information Omnidirectional mode is used unless otherwise stated.</p>		<p>OSPL90</p>  <p>OSPL90</p> 	
		<p>Full-on gain</p>  <p>Full-on gain</p> 	
		<p>Frequency Response</p>  <p>Frequency Response</p> 	
OSPL90	Peak	119 dB SPL	108 dB SPL
	1600 Hz	111 dB SPL	102 dB SPL
	HFA-OSPL90	111 dB SPL	103 dB SPL
Full-on gain ¹	Peak	53 dB	42 dB
	1600 Hz	48 dB	40 dB
	HFA-FOG	48 dB	39 dB
Reference test gain		37 dB	27 dB
Frequency range		100-9500 Hz	100-9200 Hz
Total harmonic distortion (Input 70 dB SPL)	500 Hz	< 2 %	< 2 %
	800 Hz	< 3 %	< 2 %
	1600 Hz	< 4 %	< 3 %
Equivalent input noise level	Omni	19 dB SPL	19 dB SPL
Battery consumption ²	Typical	1.6 mA	1.7 mA
	Quiescent	1.6 mA	1.6 mA
Battery life, artificial measurement, hours ³		60	60
Expected battery life, hours (battery size 10 - IEC PR70) ⁴		55-60	

1) Measured with the gain control of the hearing aids set to their 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 60118-0:1983+A1:1994 but without influence of feedback.

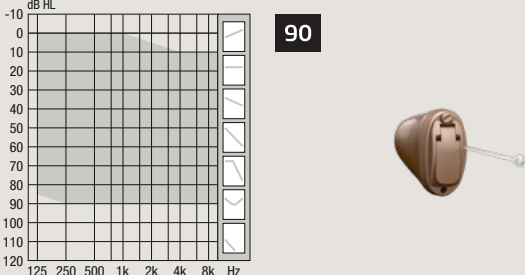
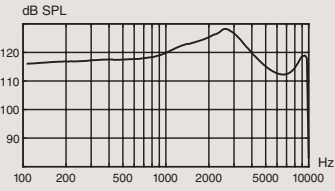
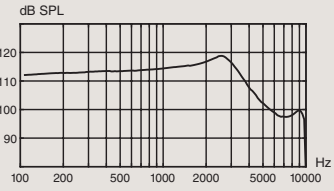
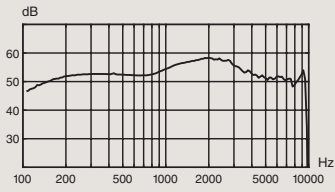
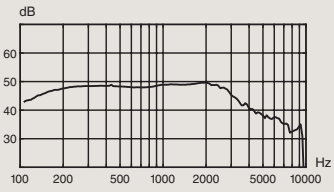
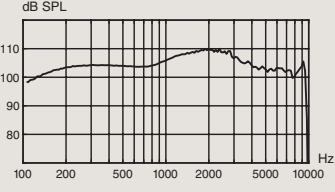
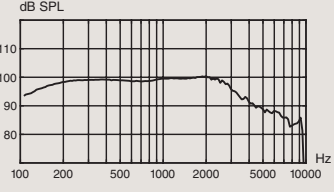
2) Battery current is measured according to IEC 60118-0:1983/AMD1:1994 §7.11, IEC 60118-0:2015 §7.7 and ANSI S3.22:2014 §6.13 after a settling time of minimum 3 minutes.

3) Based on the standardised battery consumption measurement (e.g. IEC 60118-0:1983/AMD1:1994). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.

4) Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels.

		Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	2CC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006	
 Technical information Omnidirectional mode is used unless otherwise stated.		OSPL90  OSPL90 	OSPL90  OSPL90 	
		Full-on gain  Full-on gain 	Frequency Response  Frequency Response 	
	OSPL90	Peak 1600 Hz HFA-OSPL90	119 dB SPL 111 dB SPL 111 dB SPL	108 dB SPL 103 dB SPL 103 dB SPL
	Full-on gain ¹	Peak 1600 Hz HFA-FOG	53 dB 48 dB 48 dB	43 dB 40 dB 40 dB
Reference test gain		37 dB	27 dB	
Frequency range		100-7500 Hz	100-7500 Hz	
Total harmonic distortion (Input 70 dB SPL)	500 Hz	< 2 %	< 2 %	
	800 Hz	< 3 %	< 2 %	
	1600 Hz	< 4 %	< 3 %	
Equivalent input noise level	Omni	19 dB SPL	19 dB SPL	
Battery consumption ²	Typical	1.6 mA	1.6 mA	
	Quiescent	1.6 mA	1.6 mA	
Battery life, artificial measurement, hours ³		60	60	
Expected battery life, hours (battery size 10 - IEC PR70) ⁴		55-60		

1) Measured with the gain control of the hearing aids set to their 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 60118-0:1983+A1:1994 but without influence of feedback.
 2) Battery current is measured according to IEC 60118-0:1983/AMD1:1994 §7.11, IEC 60118-0:2015 §7.7 and ANSI S3.22:2014 §6.13 after a settling time of minimum 3 minutes.
 3) Based on the standardised battery consumption measurement (e.g. IEC 60118-0:1983/AMD1:1994). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.
 4) Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels.

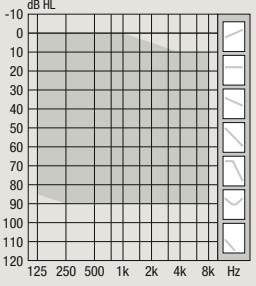

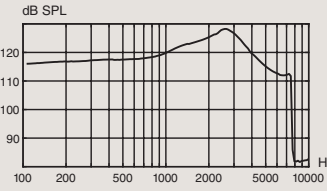
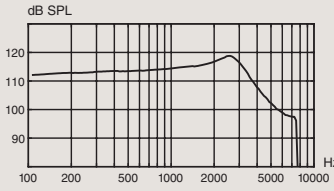
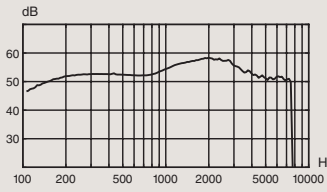
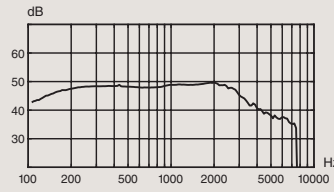
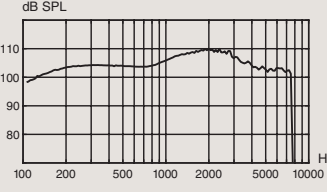
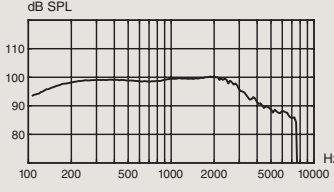
		Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	2CC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
 <p>90</p> <p>Technical information Omnidirectional mode is used unless otherwise stated.</p>		OSPL90 	OSPL90 
		Full-on gain 	Full-on gain 
		Frequency Response 	Frequency Response 
OSPL90	Peak 1600 Hz HFA-OSPL90	128 dB SPL 124 dB SPL 124 dB SPL	119 dB SPL 115 dB SPL 116 dB SPL
Full-on gain ¹	Peak 1600 Hz HFA-FOG	58 dB 57 dB 56 dB	50 dB 49 dB 49 dB
Reference test gain		49 dB	39 dB
Frequency range		100-9500 Hz	100-9400 Hz
Total harmonic distortion (Input 70 dB SPL)	500 Hz	< 2 %	< 2 %
	800 Hz	< 4 %	< 2 %
	1600 Hz	< 2 %	< 2 %
Equivalent input noise level	Omni	17 dB SPL	19 dB SPL
Battery consumption ²	Typical	1.8 mA	2.3 mA
	Quiescent	1.6 mA	1.6 mA
Battery life, artificial measurement, hours ³		55	45
Expected battery life, hours (battery size 10 - IEC PR70) ⁴		50-55	

1) Measured with the gain control of the hearing aids set to their 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 60118-0:1983+A1:1994 but without influence of feedback.

2) Battery current is measured according to IEC 60118-0:1983/AMD1:1994 §7.11, IEC 60118-0:2015 §7.7 and ANSI S3.22:2014 §6.13 after a settling time of minimum 3 minutes.

3) Based on the standardised battery consumption measurement (e.g. IEC 60118-0:1983/AMD1:1994). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.

4) Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels.

		Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	2CC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
 <div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 2px 5px; font-weight: bold;">90</div>  </div> <p>Technical information Omnidirectional mode is used unless otherwise stated.</p>		OSPL90 	OSPL90 
		Full-on gain 	Full-on gain 
		Frequency Response 	Frequency Response 
	OSPL90	Peak 1600 Hz HFA-OSPL90	128 dB SPL 124 dB SPL 124 dB SPL
Full-on gain ¹	Peak 1600 Hz HFA-FOG	58 dB 57 dB 56 dB	50 dB 49 dB 49 dB
Reference test gain		49 dB	39 dB
Frequency range		100-7500 Hz	100-7500 Hz
Total harmonic distortion (Input 70 dB SPL)	500 Hz	< 2 %	< 2 %
	800 Hz	< 4 %	< 2 %
	1600 Hz	< 2 %	< 2 %
Equivalent input noise level	Omni	17 dB SPL	19 dB SPL
Battery consumption ²	Typical	1.8 mA	2.3 mA
	Quiescent	1.6 mA	1.6 mA
Battery life, artificial measurement, hours ³		55	45
Expected battery life, hours (battery size 10 - IEC PR70) ⁴		50-55	

1) Measured with the gain control of the hearing aids set to their 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 60118-0:1983+A1:1994 but without influence of feedback.
 2) Battery current is measured according to IEC 60118-0:1983/AMD1:1994 §7.11, IEC 60118-0:2015 §7.7 and ANSI S3.22:2014 §6.13 after a settling time of minimum 3 minutes.
 3) Based on the standardised battery consumption measurement (e.g. IEC 60118-0:1983/AMD1:1994). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.
 4) Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels.

Headquarters
Oticon A/S
Kongebakken 9
DK-2765 Smørum
Denmark



SBO Hearing A/S
Kongebakken 9
DK-2765 Smørum
Denmark