



## NEOSLIM SPEAKER SYSTEMS

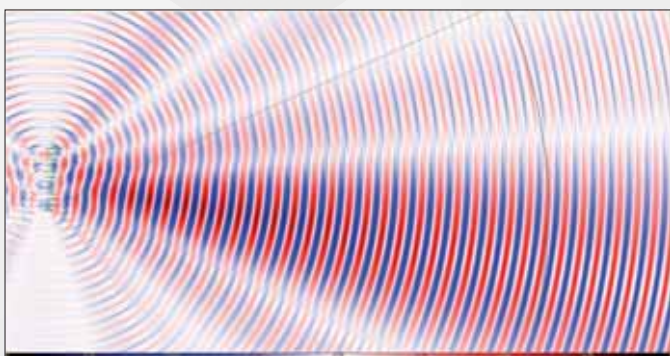


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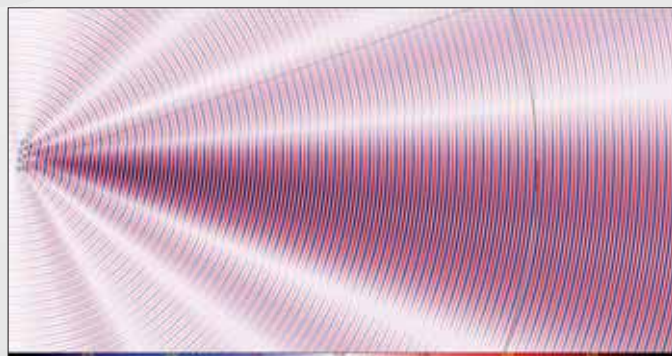
 **ITEC**  
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A great challenge during development of this new PA speaker was building a slim, elegant speaker that convinces with high sound pressure levels and excellent speech intelligibility. Long-term experience in this field, the support of a unique, self-developed acoustic simulation program, and extensive test series led to an outstanding result: the ITEC NEOSLIM series.



Simulation of NeoSlim 16 at 800 Hz



Simulation of NeoSlim 16 at 4000 Hz

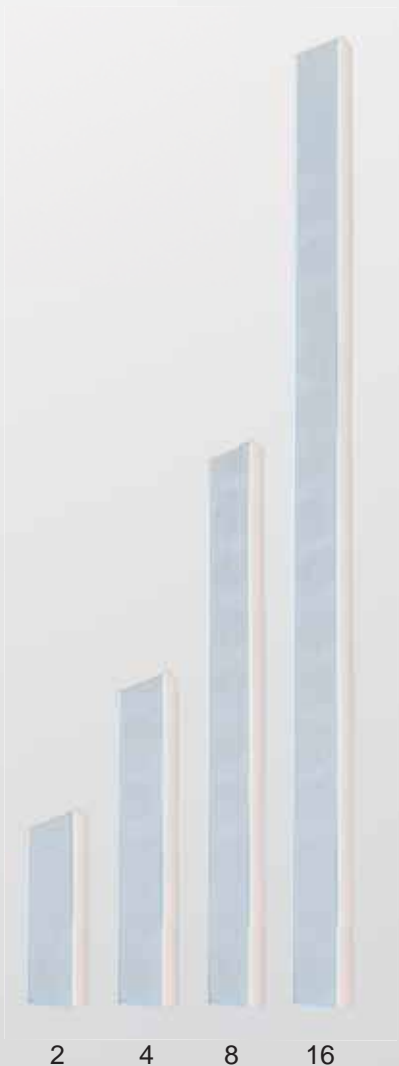
### Application Areas

For speech amplification in large, reverberant rooms, such as churches or heritage halls, it is important to not unnecessarily stimulate the disturbing reverberation. The ratio of direct sound and reverberation is improved by consistent sound bundling. Reflections are effectively prevented, which significantly enhances speech intelligibility. Thanks to the operating ranges of these systems, the number of speakers can be drastically reduced. Apart from cost reduction, this helps prevent reverberations and diffuse sound fields.

Especially in architecturally sensitive areas a discreet design is usually just as desirable as top acoustics. The NEOSLIM series speakers perfectly meet both of these requirements.

## Specifications

- Perfect sound in rooms with difficult acoustics
- Very high sound pressure levels despite very small dimensions
- 4 models of various sizes and irradiation characteristics
- Selection of four power levels (100 volt versions)
- Practical push terminal
- Mounting accessories included
- Special colours (all RAL colours) possible on request
- Special lengths and versions possible on request
- Elaborate casing design, various mounting variants
- Aluminium casing: very robust and extremely light (easy mounting)



## Models

	NEOSLIM 2 / 40hm	NEOSLIM 2 / 100V
<b>Power</b>	40 Watt RMS	20 Watt RMS
<b>Dimensions</b>	280 x 90 x 65 mm	
<b>Colour</b>	standard white, optional: RAL colour on request	
<b>Use</b>	small rooms, mainly speech	

	NEOSLIM 4 / 80hm	NEOSLIM 4 / 100V
<b>Power</b>	80 Watt RMS	20 Watt RMS
<b>Dimensions</b>	460 x 90 x 65 mm	
<b>Colour</b>	standard white, optional: RAL colour on request	
<b>Use</b>	churches, reverberant rooms, mainly speech	

	NEOSLIM 8 / 40hm	NEOSLIM 8 / 100V
<b>Power</b>	160 Watt RMS	20 Watt RMS
<b>Dimensions</b>	820 x 90 x 65 mm	
<b>Colour</b>	standard white, optional: RAL colour on request	
<b>Use</b>	churches, reverberant rooms, mainly speech	

	NEOSLIM 16 / 80hm	NEOSLIM 16 / 100V
<b>Power</b>	320 Watt RMS	40 Watt RMS
<b>Dimensions</b>	1600 x 90 x 65 mm	
<b>Colour</b>	standard white, optional: RAL colour on request	
<b>Use</b>	churches, reverberant rooms, mainly speech	

## Standard equipment, accessories



**Mounting bracket standard (short)** Dimensions: 9 x 6,5 cm

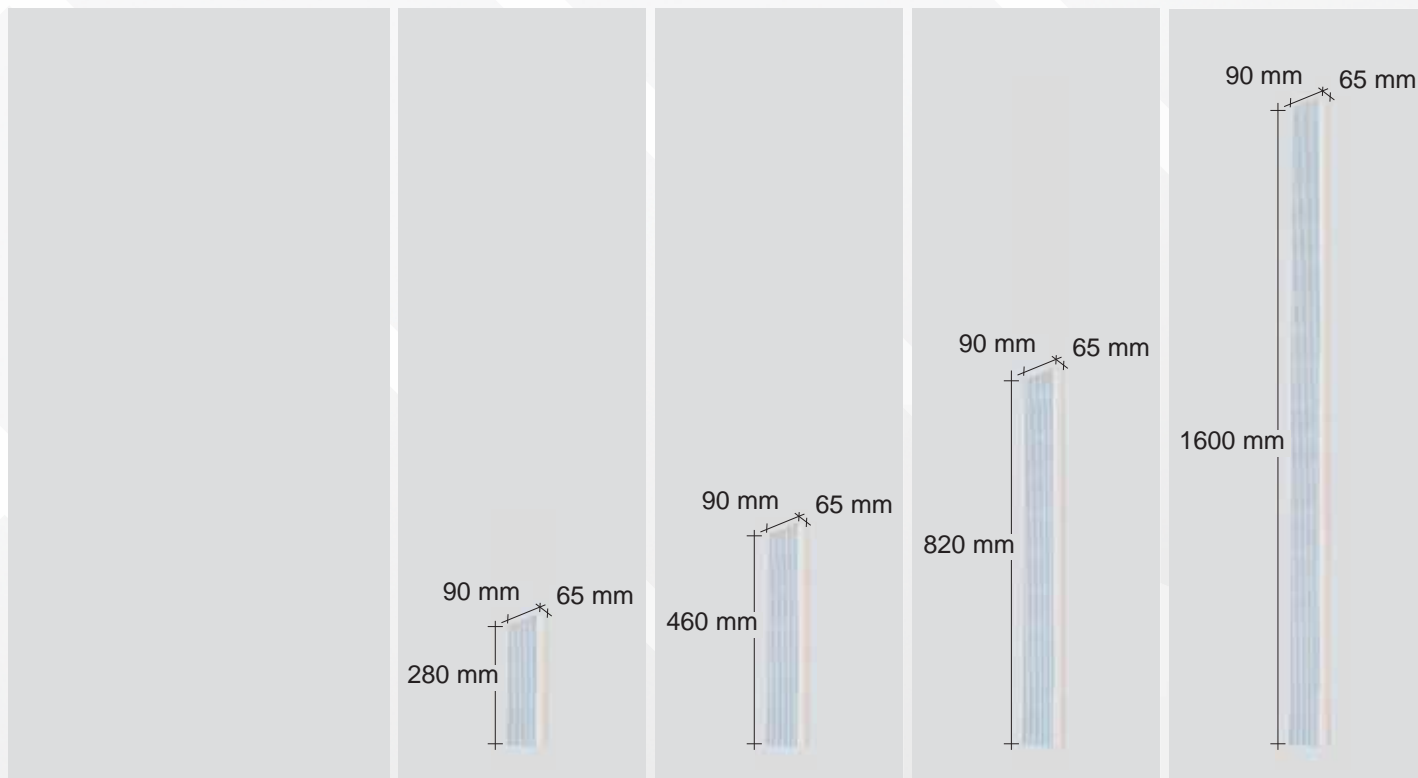


**Mounting bracket long (optional)** Allows greater tilt of the sound column; Dimensions: 18.5 x 13.5 cm



**Connection Terminal** Push terminal with power selection (100V versions), accessible through the lower, divisible cover

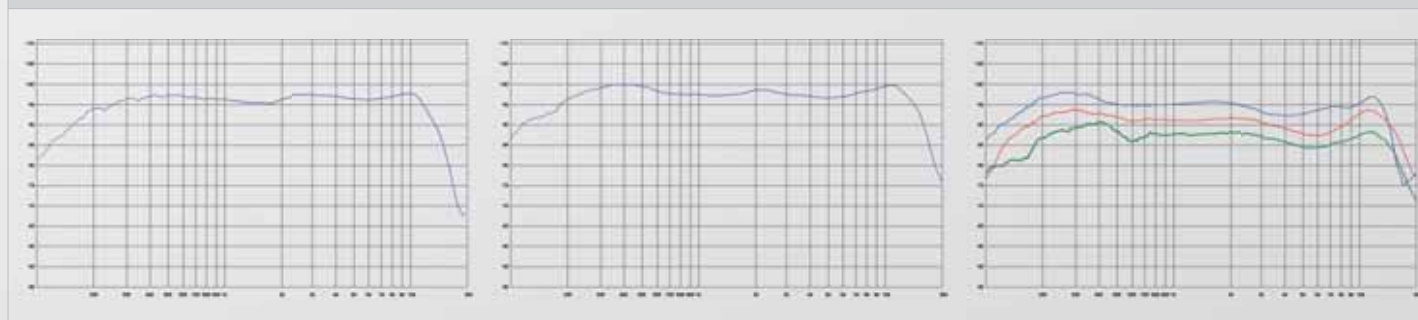
# NEOSLIM - SPECIFICATIONS



MODELS	NEOSLIM 2		NEOSLIM 4		NEOSLIM 8		NEOSLIM 16	
	100V	4 Ohm	100V	8 Ohm	100V	4 Ohm	100V	8 Ohm
Rated load W / RMS	20	40	20	80	20	160	40	320
Nominal pressure dB/1W/1m	94	94	95	95	96	96	98*	98*
Max SPL dB/50 (100) W	107	110	108	112	109	115	114*	120*
Frequency response -6 dB	140 Hz - 15 kHz							
Integrated power switch W	2,5/5/10/20	-	2,5/5/10/20	-	2,5/5/10/20	-	2,5/5/10/20	-
Housing and mounting hardware	Welded aluminium housings for weather-proof outdoor installations, all drivers weather-proof, speaker grille galvanized, powder coated, 2 mounting brackets							
Driver	2 Pcs. 3" Neodym		4 Pcs. 3" Neodym		8 Pcs. 3" Neodym		16 Pcs. 3" Neodym	
Dimensions (W x H x D) mm	90 x 280 x 65		90 x 460 x 65		90 x 820 x 65		90 x 1600 x 65	
Weight	1,5 kg	1,4 kg	2,5 kg	2,4 kg	4,2 kg	4 kg	8 kg	7,8 kg
Standard color	White RAL 9010, optional RAL custom colors on request							

\* Extrapolated (sound line arrangements combine the individual driver sound energy and are therefore measured in the far field) Acoustically the ITEC NeoSlim 16 has to be calculated with a sound pressure level decrease /distance doubling of only 3-4dB)

## TEST CHARTS: ITEC NEOSLIM 4, 8, 16



All information without guarantee. Subject to technical changes.