

SPEAKER SYSTEMS

ITEC NEOSLIM



 **ITEC**
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Designed and Manufactured by
ITEC Tontechnik und
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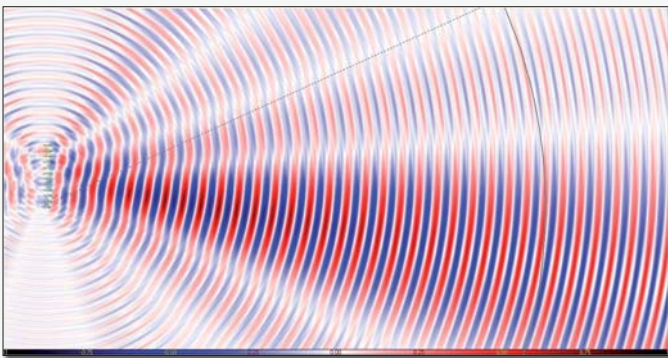
ITEC NEOSLIM

SPECIFICATIONS

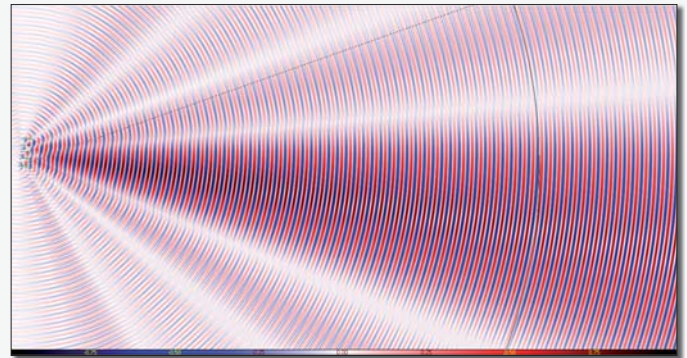
- Perfect sound in rooms with difficult acoustics
- Very high sound pressure levels despite very small dimensions
- 5 models of various sizes and irradiation characteristics
- Selection of four power levels (100 volt versions)
- Practical push terminal
- Mounting accessories included
- Special colours (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)



A great challenge during development of this 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

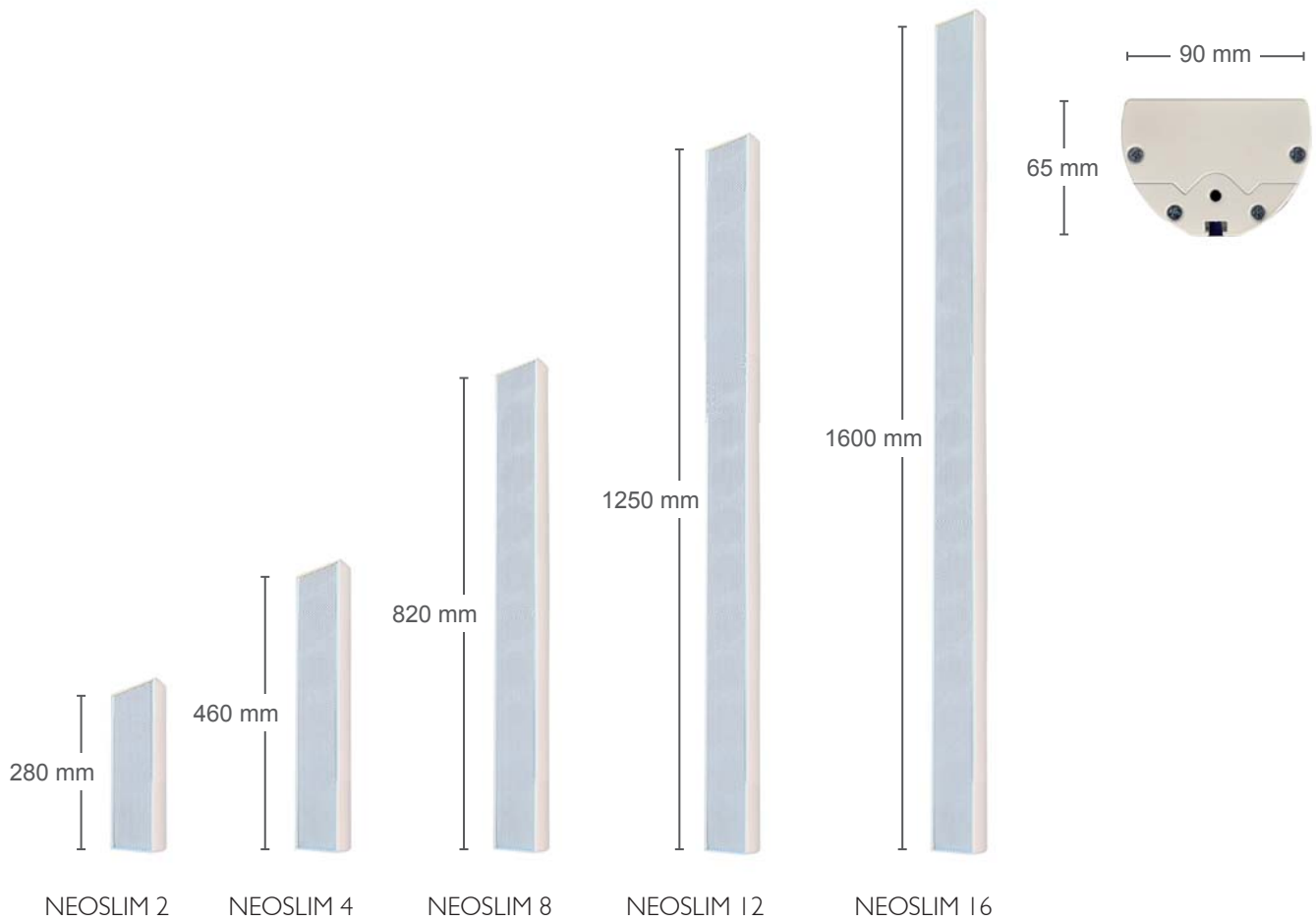
APPLICATION AREAS

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.

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DIMENSIONS



MOUNTING ACCESSORIES

STANDARD

Mounting bracket short
dimensions: 9 x 6.5 cm



OPTION

Mounting bracket long
Allows greater tilt of the sound column;
dimensions: 18.5 x 13.5 cm



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



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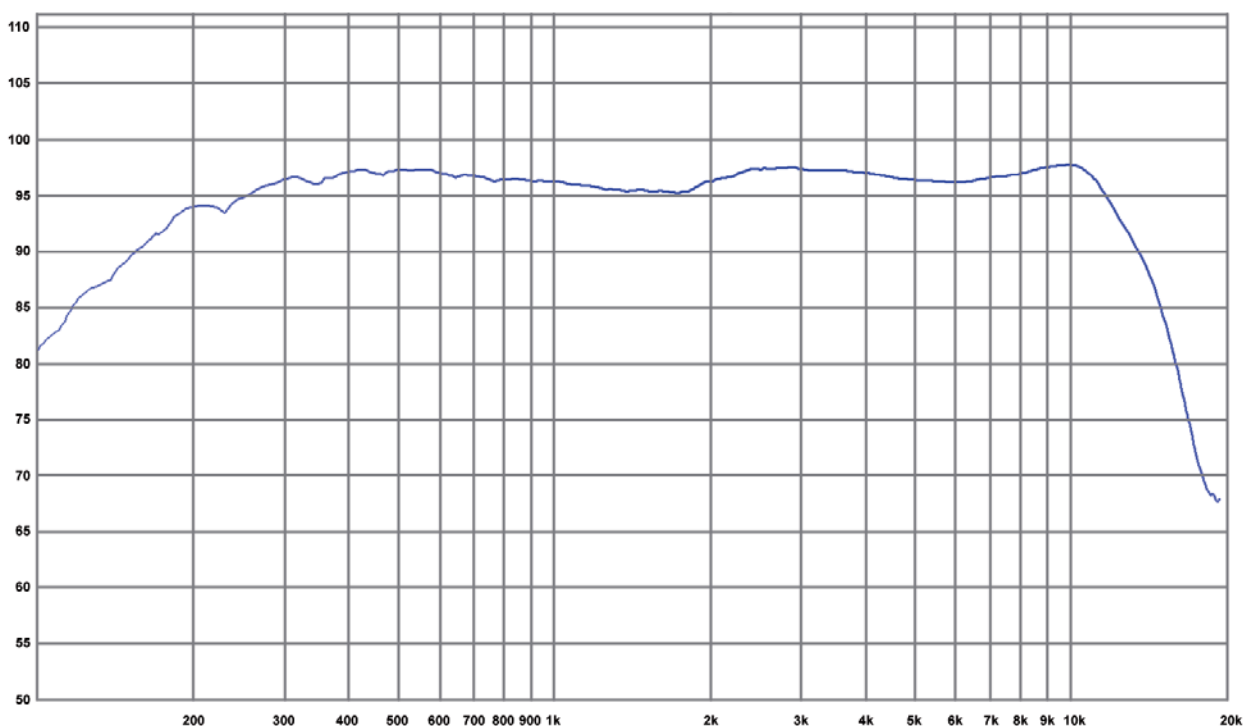
SPECIFICATIONS

MODELS	NEOSLIM 2		NEOSLIM 4		NEOSLIM 8		NEOSLIM 12		NEOSLIM 16	
	100 V	4 Ohm	100 V	8 Ohm	100 V	4 Ohm	100 V	-	100 V	8 Ohm
Rated load [W_{RMS}]	20	40	20	80	20	160	40	-	40	320
Nominal pressure [dB/1W/1 m]	94	94	95	95	96	96	97*	-	98*	98*
max. SPL	107 dB	110 dB	108 dB	112 dB	109 dB	115 dB	110 dB*	-	114 dB*	120 dB*
Frequency response (-6 dB)	140 Hz - 15 kHz									
Integrated power switch [W]	5/10/15/20	-	5/10/15/20	-	5/10/15/20	-	10/20/30/40	-	10/20/30/40	-
Housing and mounting	Welded aluminium housings for weather-proof outdoor installations, all drivers weatherproof, speaker grille galvanized, powder coated, 2 mounting brackets									
Driver	2 pcs. 3" Neodym		4 pcs. 3" Neodym		8 pcs. 3" Neodym		12 pcs. 3" Neodym		16 pcs. 3" Neodym	
Dimensions (W x H x L)	90 x 280 x 65 mm		90 x 460 x 65 mm		90 x 820 x 65 mm		90 x 1250 x 65 mm		90 x 1600 x 65 mm	
Gewicht	1.5 kg	1.4 kg	2.5 kg	2.4 kg	4.2 kg	4 kg	6.6 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)

All information without guarantee. Subject to technical changes.

TEST CHART



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