



NEODYMLINE SPEAKER SYSTEMS

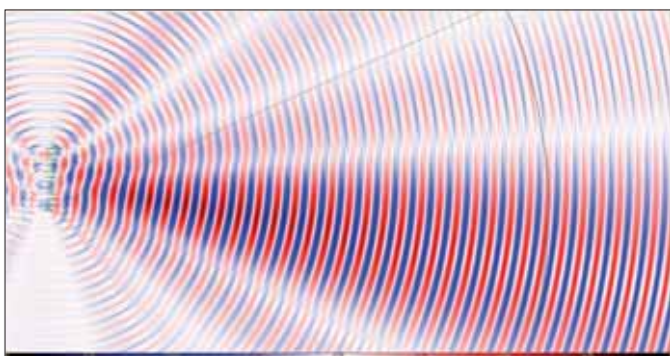
NEODYMIUM TECHNOLOGY FOR HIGH PERFORMANCE PA SOUND LINES

Three models with different vertical directivity characteristics for use in acoustically difficult halls. Full-range performance in high-quality sound reinforcement applications (systems certification according to EN 54-24)

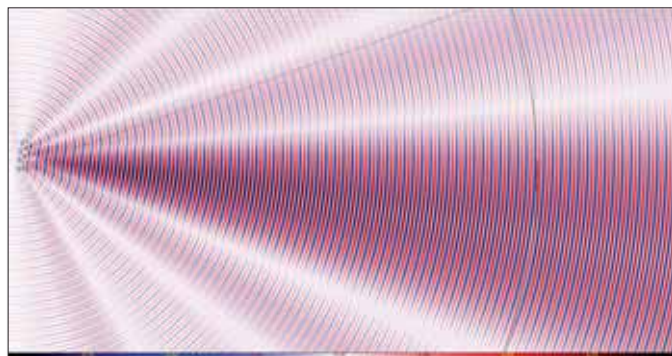

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For areas of public life, where security is the highest bid Certified quality assurance ensuring consistent performance at continuous operation for decades



Simulation of NeodymLine 16 at 800 Hz



Simulation of NeodymLine 16 at 4000 Hz

Usage areas

A high-performance sound line without compromise:

Nowadays architects are demanding smaller and inconspicuous speakers - When establishing this new sound reinforcement speaker, it was the biggest challenge to build a narrow, elegant and overall small speaker but with pressures and dynamic ranges that can keep up with existing players on the market.

Due to our unique acoustic simulation program and by selecting the world's most efficient Neodymium transducer we succeeded in creating an exceptional product for sensitive applications: The ITEC NEODYMLINE series.

Performance description

- Perfect sound in acoustically challenging areas
- High power 2 or 3-way systems with passive crossover network unit
- Highest sound pressures even at very small dimensions
- 3 different sizes and performance models
- Integrated power switch (100V-Versions)
- Optional: Ceramic connection terminal with thermal fuse
- Mounting accessories



Color

white

Special paintwork

Optional polyurethane (PU) black/weatherproof

Models

ITEC NEODYMLINE 4

High-performance sound line, 2-way speaker system with passive crossover network unit;
 Rated load 80W or 100V/50W,
 Integrated power switch (50/25/12, 5 / 6, 25W)
 4 Deep-range driver 3"
 Mass: 62,5 x 10 x 10 cm, weight: 3.55 kg
 incl. 2 mounting bracket (short)

ITEC NEODYMLINE 8

High-performance sound line, 2-way speaker system with passive crossover network unit;
 Rated load 160W or 100V/50W,
 Integrated power switch (50/25/12, 5 / 6, 25W)
 8 Low-range driver 3"
 Dimensions: 102.5 x 10 x 10 cm, weight: 5.2 kg
 incl. 2 mounting bracket (short)

ITEC NEODYMLINE 16

High-performance sound line, 4-way speaker system with passive crossover network unit
 Rated load 320W or 100V/100W
 Integrated power switch (100 / 50/25 / 12, 5W)
 16 Deep-range driver 3"
 Dimensions: 202,5 x 10 x 10 cm, weight: 10.5 kg
 incl. 2 mounting bracket (short)

Standard equipment, accessories



Mounting bracket standard (short)

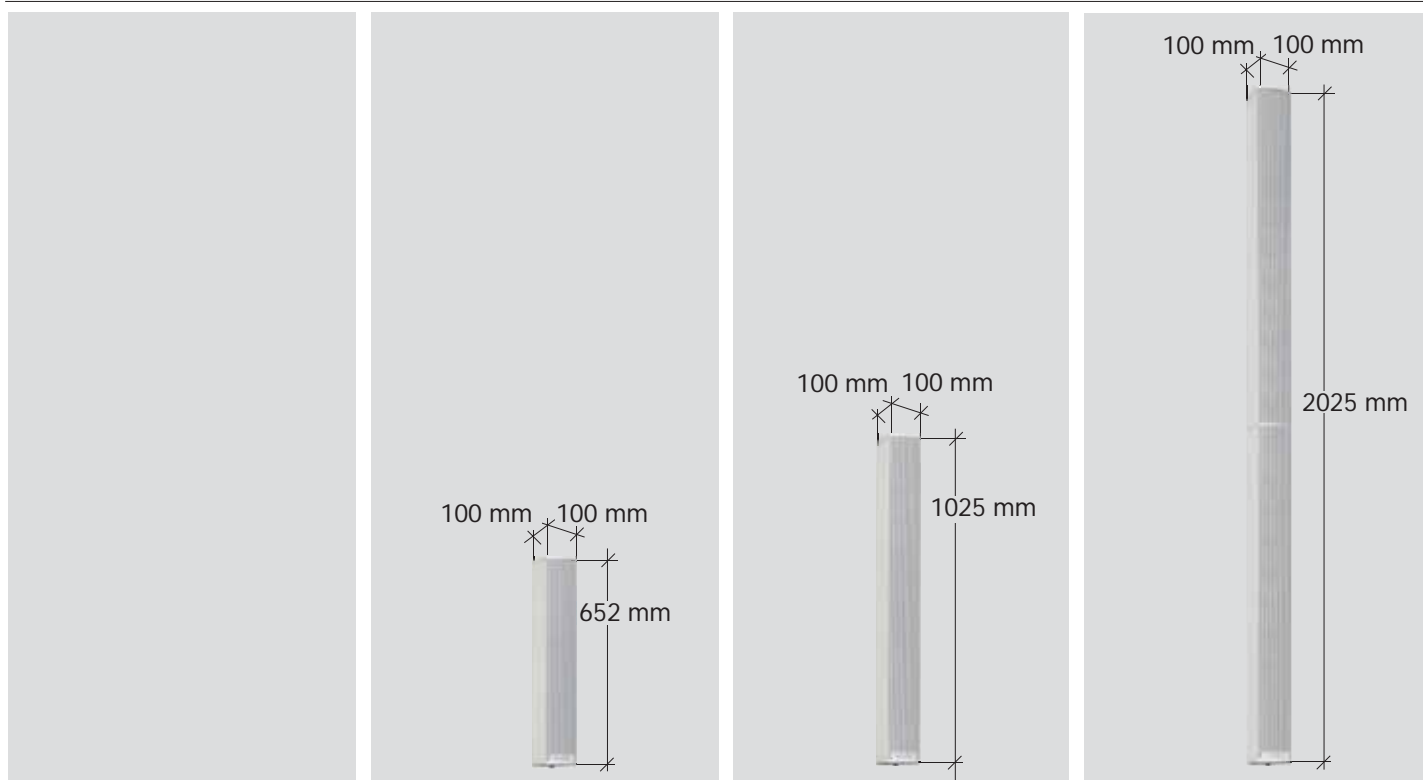


Mounting bracket long (optional)
 Allows greater tilt of the sound column; Dimensions: 18.5 x 13.5 cm



Terminal (standard)
 Connection terminal covered by metal plate (Ceramic Terminal + thermal fuse)
 ncl. cable entry clamp with stress relief

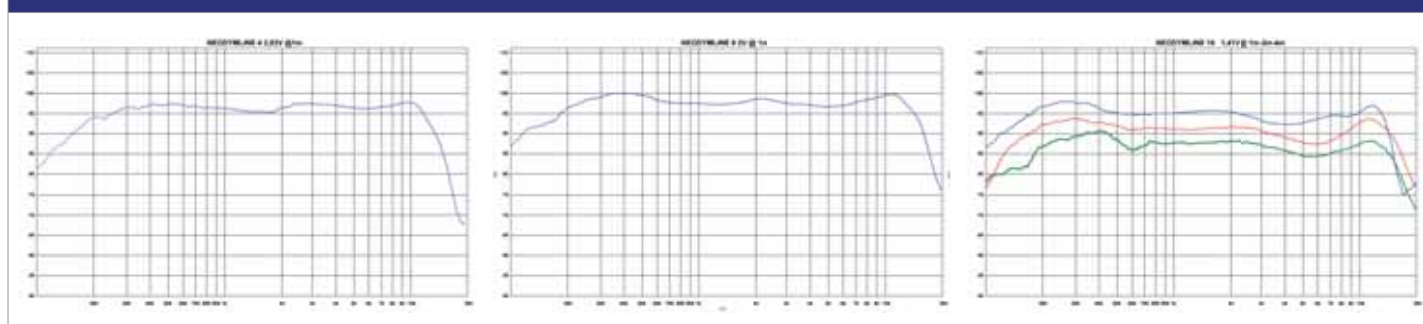
NEODYMLINE - SPECIFICATIONS



MODELS	NEODYMLINE 4		NEODYMLINE 8		NEODYMLINE 16	
	100V	8 Ohm	100V	4 Ohm	100V	2 Ohm
Rated load	50 W / RMS	80 W / RMS	50 W / RMS	160 W / RMS	100 W / RMS	320 W / RMS
Nominal pressure dB/1W/1m	96	96	99	99	100*	100*
Max SPL dB/50 (100) W	113	115	116	121	121*	125*
Frequency response -6 dB	137 Hz - 14,8 kHz		125 Hz - 15,7 kHz		114 Hz - 14,8 kHz	
Integrated power switch	(100) / 50 / 25 / 12,5 / 6.25 W (only for 100 V-application)					
Housing and mounting hardware	Waterproof glue housing made of plywood, all drivers weatherproof, speaker grille galvanized, powder coated, 2 mounting brackets					
Driver	4 Pcs. 3 „cone neodymium		8 Pcs. 3 „cone neodymium		16 Pcs. 3 „cone neodymium	
Dimensions (W x H x D)	100 x 652 x 100 mm		100 x 1025 x 100 mm		100 x 2025 x 100 mm	
Weight	4.25 kg	3.55 kg	5.9 kg	5.2 kg	11.9 kg	10.5 kg
Color	Standard color RAL 9010, structured					

* Extrapolated (sound line arrangements combine the individual driver sound energy and are therefore measured in the far field) Acoustically the "ITEC NeodymLine16" has to be calculated with a sound pressure level decrease /distance doubling of only 3-4dB)

TEST CHARTS: ITEC NEODYMLINE 4, 8, 16



All information without guarantee. Subject to technical changes