

die2.12

active 3-way line array element
2 x 12" / 4 x 6,5" - 3 x 4" Planar Driver



Die Kunst des Klangs

Concept: Compact 3-way active (optional internal amping) system design housing 2 x 12" LF drivers, four 6,5" MF drivers and three 1" to 4" HF planar compression drivers. Designed for vertical arrays of up to 24 speaker systems, in an extrem stiff housing with a constant horizontal dispersion of 90° beginning at 200 Hz. Absolutely symmetrical dipolar arrangement of the drivers, for very accurate dispersion and precise sound reproduction. The "die2.12" systems may be deployed in either flown or ground-stacked configurations. The optional CTG-2.12 multipurpose grid accommodates a variety of flown or stacked configurations, including multipoint support and bridles. The complet internal (up to 5010 Watts) systemamping is controlled by an also internal 3 way F.I.R. Conroller where the XLR in- and outputs may be switched from Analog to ASE/EBU, remote controlled via Ethernet TCP/IP.

Operation: The "die2.12" is designed to reproduce acoustic material very accurately even under critical conditions, the system may be used indoor for up to 20000 and open-air for more than 50000 listeners to be provided with an exact and natural sound.

Systemspecifications:

Frequency Response (-5 dB)	65 Hz - 19,4 kHz
Sensitivity (SPL @ 1 m LF / MF / HF)	98 (80 Hz) / 106 (1 kHz) / 117 (3 kHz) dB
Maximum Peak SPL (Free Field @ 1 m) 3-Way Active:	147 dB
	SPL peak, pink noise with crest-factor 4

Speakerspecifications:

Nominal Impedance (LF / MF / HF)	8 / 8 / 8 Ohms
Power Handling LF (RMS / prog. / peak 10 ms)	700 / 1400 / 2800 W
Power Handling MF (RMS / prog. / peak 10 ms)	800 / 1600 / 2800 W
Power Handling HF (RMS / prog. / peak 10 ms)	240 / 600 / 1200 W
Nominal dispersion (hor.)	90°
	Play angle settings 0° - 10° in 0,5° - 1,5° steps, logarithmic allocation

Components (LF transducers)	2 x 12" Neodymium
(MF transducers)	4 x 6,5" Conus
(HF transducers)	3 x 4" to 1" Planar Neodymium Driver
	3-Way Activ with D1 F.I.R. - Controller
Connections	2 x NL8 (1+/- LF, 2+/- Sense correction, 3+/-MF, 4+/- HF)

Internal Class-D Ampmodul including 4-way (3-way multipass) digital F.I.R. controller

Total Amp Power	5010Watts RMS / 9000 Watts Music*
Connections	1x XLR Female in, 1x XLR Male out, 1x RJ45 Network Connector, 2x Powercon
Weight, Dimensions	73 Kg (76 Kg internal powered), (H x W x D): 370 x 1150 x 500 mm
Mounting / Working load	2 Sideplates / min. 240 x Speaker-weight
Mounting Accessory:	Multiframe CTG-2.12, Transport case 2.12x2-4R

* Class-D outputstage ch1 LF, ch2 MF, ch3 HF each 115Vrms/163Vpk 1670 W longterm driven with 1 kHz sinewave signal at 1% THD on 8 Ohms
IM < 0,05%, DIM < 0,005 %, CMRR > 80 dB (100 Hz) Typical > 90 dB. XLR female input and male output; Pin 1 ground, 2 +, 3 -;
Impedance 20 kOhms Sym. (bet. Pin 2 and 3); 10 kOhms Unsym. (Pin 3 grounded).
Powercon in&out, 180 - 265 VAC, 50 Hz, power consumption about 3 kW.



Housing from 18 - 27 mm premium birch plywood. Black textured finish. Powder-coated acoustical optimised square-stamped steel grill, foam covering, optional inside foam and outside hex-stamped stell grill with diffraction free edges; two handles.

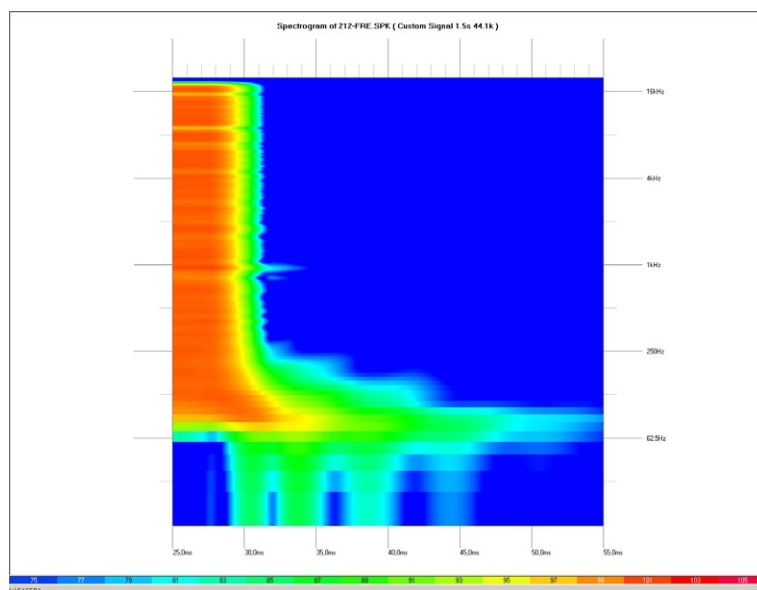
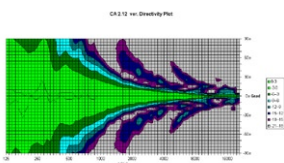
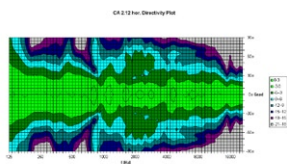
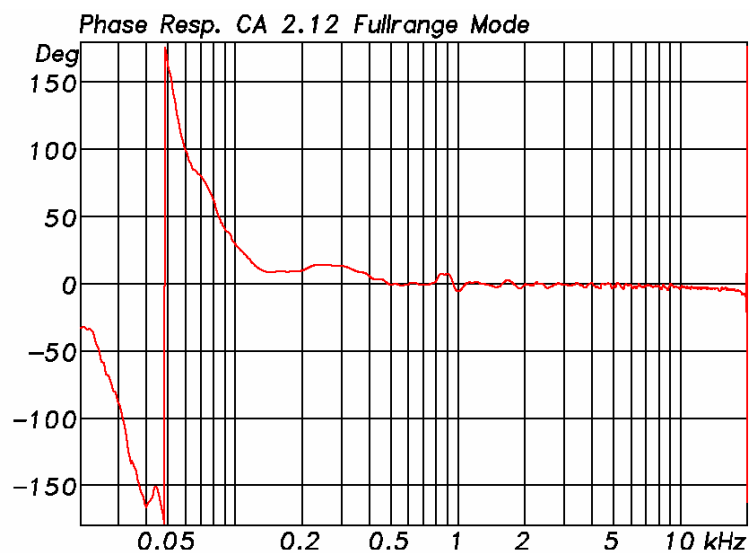
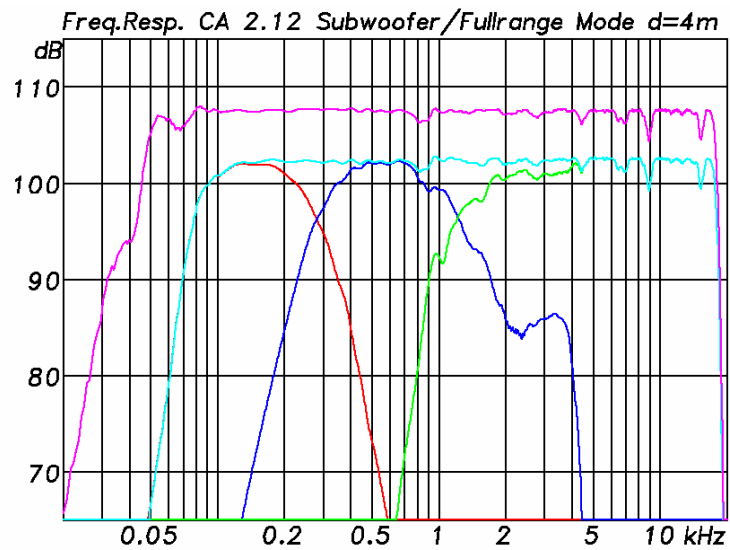
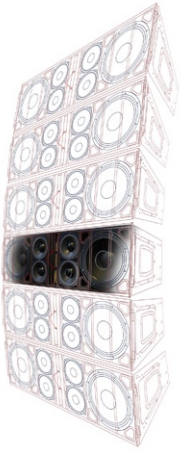


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Aktives 3-weg Line Array Element
2 x 12" / 4 x 6,5" - 3 x 4" Planartreiber



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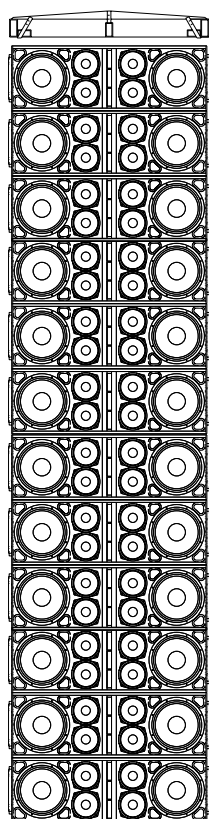


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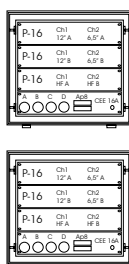
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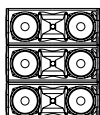
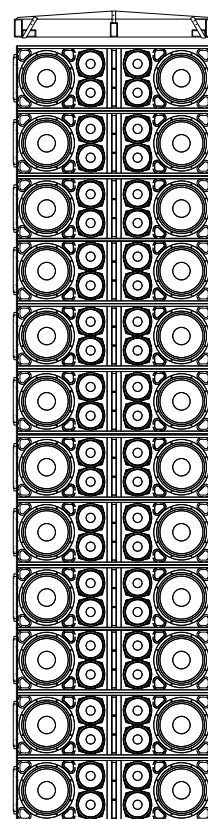
Aktives 3-weg Line Array Element
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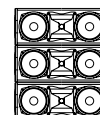
Left - Cluster
12 x die2.12



Right - Cluster
12 x die2.12



L - Down Fills
3 x die2.7

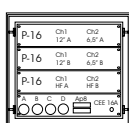
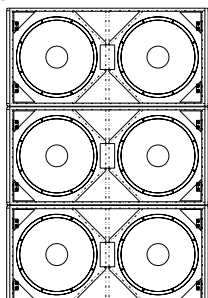
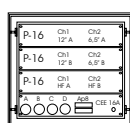
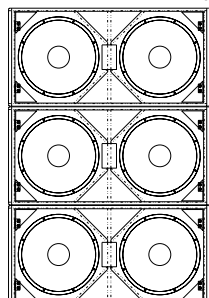


R - Down Fills
3 x die2.7

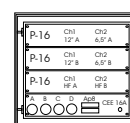
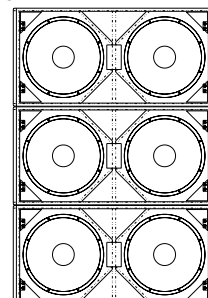
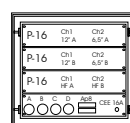
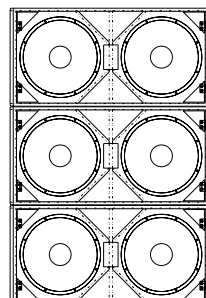
Front Fills
6 x die2.7



Left Subwoofers
6 x die3CD SUB



Right Subwoofers
6 x die3CD SUB



3 x cbb-p-16-001, Amplifire 2 x 1600 RMS
1 x cdb-P3CDCA-2PCAP, Patchbay
Mounted in
1 x cdb-SA8-4R, Systemcase 8U high
configured for up to 6 x die2.12 Tops