



Business Line Industrial Series Type 1255 BLIe EN54 ready

Concept:

Powerful 12 inch matrix loudspeaker with rotatable horn, EN54 pre certified, proven to be used in installations in combination with 0244 PCIe fulfilling the requirements of a so called EN54 System. Designed for Installations where short throw (3) sound reproduction is required or as near / side fill, delay line.

1255 BLIe features an extra large rotatable horn with excellent dispersion control starting at 950Hz. The design of this the large horn provides controlled high frequency response even at higher output levels, offering more clarity and better dispersion than conventional speakers. Resulting in very high measured STI levels.

The symmetric bass reflex outlets controls the air pressure and excursion of the 12 inch woofer.

The state-of-the-art control technology uses the most advanced F.I.R. filters, providing as standard settings with exceptional phase control. These filters incorporate more than 20 years of development and research experience from one of the first designers ever to use F.I.R. filtering in such a comprehensive way that it affects not only phase, but also dispersion and spatial energy distribution.

The elaborate passive crossover guarantees an exceptionally flat frequency and phase response even when no controller is used.



Transducers

Low Frequency: 12-inch neodymium cone drivers; 8 ohm nominal impedance
Mid/High Frequency: 1,4-inch compression drivers, with a 1,75 inch ring diaphragm; 8 ohm nominal impedance

Coverage (-6 dB point)

Vertical Coverage: 50°
Horizontal Coverage: 90°

Audio Performance

System Output @ 1 meter: 131 dB SPL
Frequency Response -6 dB: 53 Hz – 20,5 kHz
Phase Response: 600 Hz – 22 kHz typical +/- 3° maximum 30°
Sensitivity 1 Watt @ 1 Meter: 98,5 dB
Crossoverpoint: 1000 Hz

Power Handling

1600 Watt @ 8 Ohm (400 Watt AES) passive
Maximum three Loudspeakers per Channel of a PAX 1604 or 0244 PCI / two on a 0844 PCI or 0244 PCIe system amplifier providing full Cadenbach Acoustics F.I.R. filtering

Mechanical

17,3 Kg, Multi-Shape
Durable hex stamped steel grille with EN54 foam layer
Baltic birch plywood, black coated
Multiple M6 and M8 inserts on top, bottom and both sides for various installation options
size: (H 602 x W 340 x D 360 in mm)

