

2 Way Bi-Amp Compact Line-Array System

FEATURES

- 16 + 16 Ohm Bi-AMP
- Premium European High Efficiency custom IDEA Transducers
- Proprietary IDEA High-Q 8-slot line-array waveguide
- Rugged and durable 15 mm birch plywood construction and finish
- 1.5 mm Aquaforce coated steel grille with internal protective foam
- Integrated Precision rigging system for stacked and flown configurations
- 10 internal angulation points (0°-10° internal splay angles in 1° steps)
- Durable Aquaforce paint, available in standard textured black or white
- NL-4 and PowerCON Neutrik connectors
- Dedicated transport /storage/rigging accessories and Flying frame



APPLICATIONS

- FOH for small theatres and clubs
- Regional Touring
- A/V portable and installed sound reinforcement
- Distributed sound for sport arenas and large venues



OVERVIEW

EVO8-P is an ideal line-array element for mobile and portable sound reinforcement and those installations that need for a high SPL sound system which can be discreetly integrated with the aesthetics of the venue. The excellent power-density and scalability of **EVO8-P** make it a perfect tool for a wide variety in professional sound reinforcement applications.

EVO8-P line-array elements feature a HF assembly with a 70 W, 1.75" compression driver and IDEA's proprietary Hi-Q 8-slot waveguide allowing for minimum vertical gap between array elements and providing optimum element coupling while reducing artifacts and DSP adjustments. For the LF/MF sections, **EVO8-P** mounts a high-performance 2'5" voice-coil, 250 W 8" woofer.

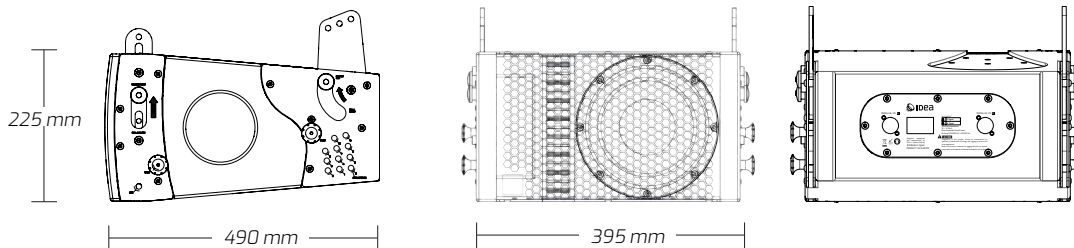
Built in Europe using 15mm high quality birch plywood in heavily internally braced solid loudspeaker cabinets, **EVO8-P** is treated with IDEA proprietary Aquaforce weather resistant touring coating finish and is fitted with an extra strong integral heavy duty 4-point steel rigging system.



TECHNICAL DATA

| | |
|---------------------------------|---|
| Enclosure design | 10° Trapezoidal |
| LF Transducers | 8" High performance woofer |
| HF Transducers | 1.75" Compression Driver |
| Power Handling (RMS) | LF: 250 W HF: 70 W |
| Nominal Impedance | LF: 16 Ohm HF: 16 Ohm |
| SPL (Continuous/Peak) | 125/131 dB SPL |
| Frequency Range (-10 dB) | 82 - 18000 Hz |
| Frequency Range (-3 dB) | 95 - 16000 Hz |
| Coverage | Array length-splay dependent x 120° horizontal |
| Dimensions (WxHxD) | 395 x 225 x 490 mm (24.8 x 8.9 x 19.3 in) |
| Weight | 21 kg (46.3 lb) |
| Connectors | 2 x Neutrik speakON® NL-4 in parallel |
| +/-1 | Input |
| +/-2 | Link |
| Cabinet Construction | 15 mm Birch Plywood |
| Grille | 1.5 mm perforated weatherised steel with protective foam |
| Finish | Durable IDEA proprietary Aquaforce High Resistance paint coating process |
| Rigging Hardware | High-resistance, coated steel integrated 4-point rigging hardware 10 angulation points (0°-10° internal splay angles in 1° steps) |
| Handles | 2 integrated handles |
| Accessories | Rigging Frame (RF EVO8) Rigging Frame (RF-6036) for BASSO18, BASSO21 flown systems Rigging Frame (RF-9036) for BASSO36t flown systems Raisers adaptors for stacked set-ups (RF EVO8 STK) Pole adaptor (PA EVO8) 35 mm Pole (K&M 21338) |

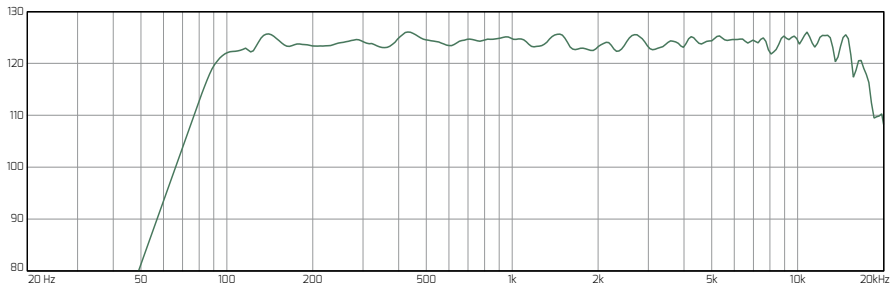
TECHNICAL DRAWINGS



ACOUSTICAL MEASUREMENTS

FREQUENCY RESPONSE

dB SPL

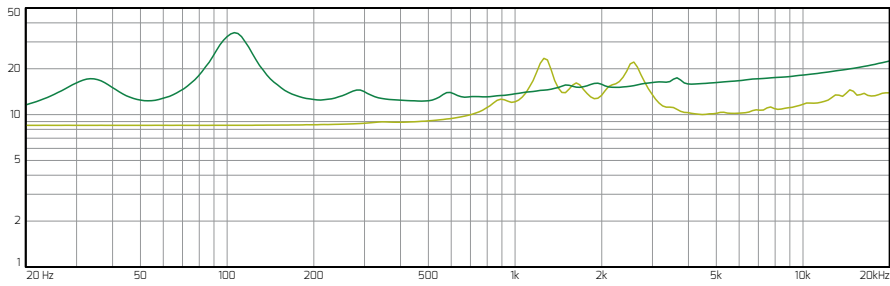


This graph shows the frequency response for a 1-watt swept sine signal in an anechoic environment (4pi), measured at 3 m and scaled down at 1 m.

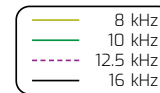
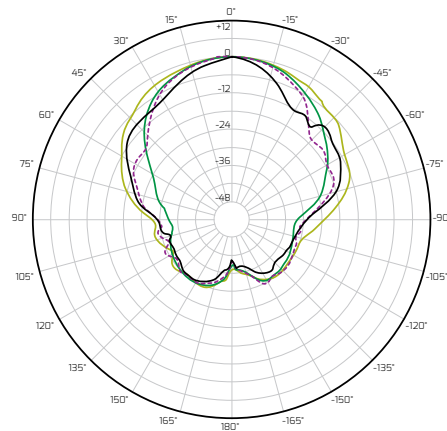
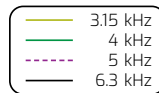
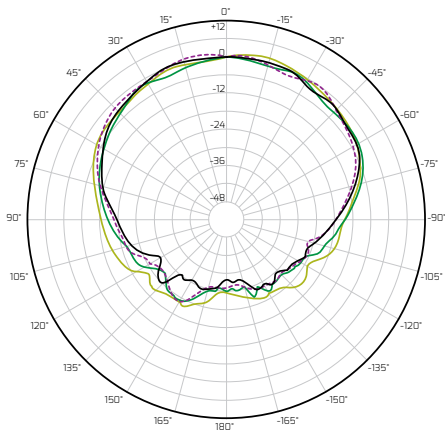
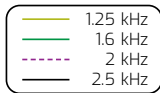
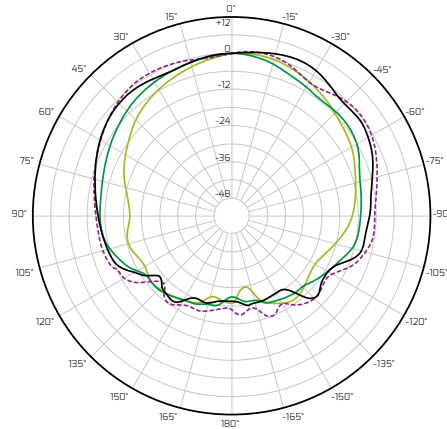
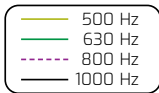
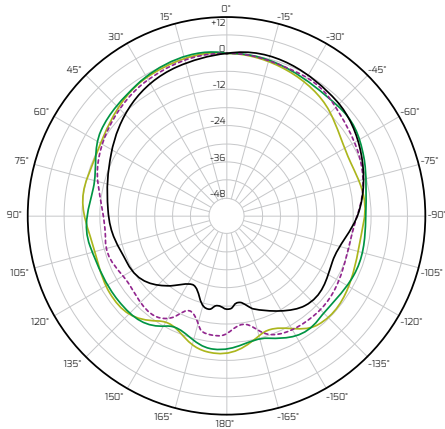
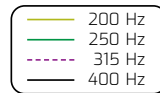
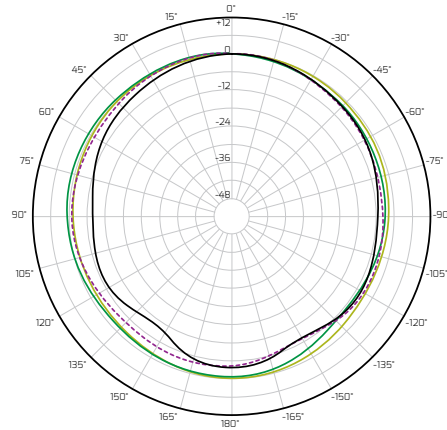
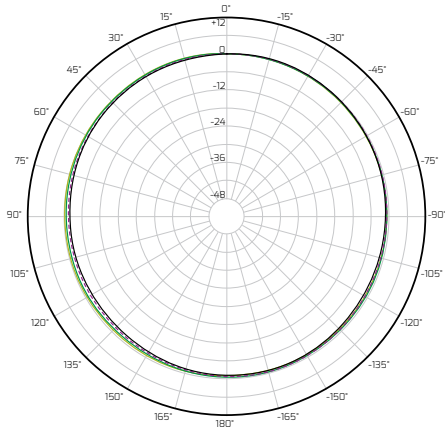
In order to provide more precise information for acoustical analysis, a 1/12 octave smoothing has been applied.

IMPEDANCE

Ohm



HORIZONTAL 1/3 OCTAVE POLARS



VERTICAL 1/3 OCTAVE POLARS

