

EVO55-P



Dual-5" Passive Line-Array system

FEATURES

- 2-Way Dual 5" Ported Compact Line-Array element
- Premium European High Efficiency custom IDEA Transducers (by Beyma)
- Proprietary IDEA High-Q 4-slot line-array waveguide
- Dedicated transport /storage/rigging accessories and flying frame
- Matching subwoofer for stacked and flown setups

APPLICATIONS

- Ultra-compact High SPL installed sound reinforcement
- FOH for small to medium size performance venues and clubs
- High SPL A/V portable sound reinforcement



OVERVIEW

EVO55-P line-array elements are unique professional portable sound reinforcement systems that offer excellent modularity and versatility. This very compact 4-element array cluster (smaller than a typical 15" 2-way loudspeaker) will always deliver SPL and coverage beyond the physical size of the system, while it can be rigged and operated with minimal logistical resources. It can be pole mounted, stacked and flown very easily by only one operator.

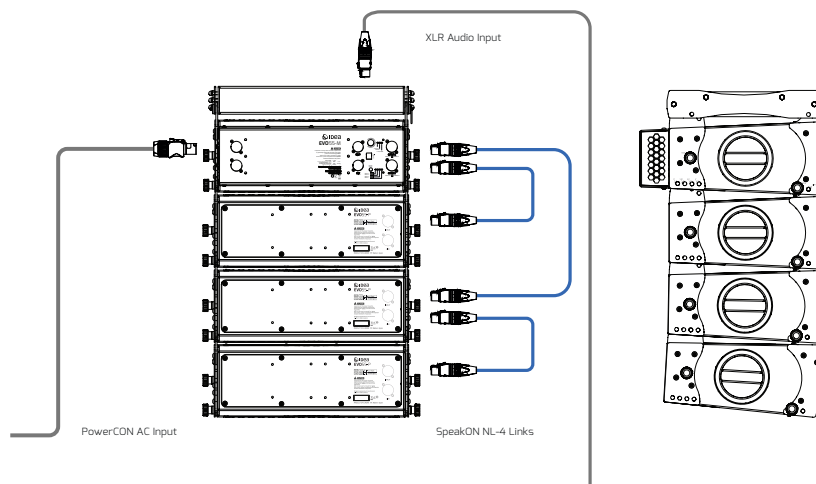
EVO55-P features HF assembly with a 1.75" compression driver and a proprietary wave-guide design and a dual-5" woofer configuration for the LF section. These premium-quality, high-performance European transducers and a dedicated passive crossover filter allow for a natural, linear response throughout the useful frequency range spectrum. The integrated weatherised steel rigging structure and stacking, transport and rigging accessories make **EVO55-P** a really plug-and-play system.

BASIC SYSTEM CONFIGURATION

The active **EVO55-M** features a 1.4 kW Class-D amp and DSP power module by Powersoft so one **EVO55-M** element powers 3 additional **EVO55-P** elements in an active system, as shown in the diagram below, with the dedicated SpeakON NL-4 cable links included with every **EVO55-M**

Depending on the scale of the application, a medium-sized **EVO55-M** system can be easily split into smaller clusters for mobile and portable solutions..

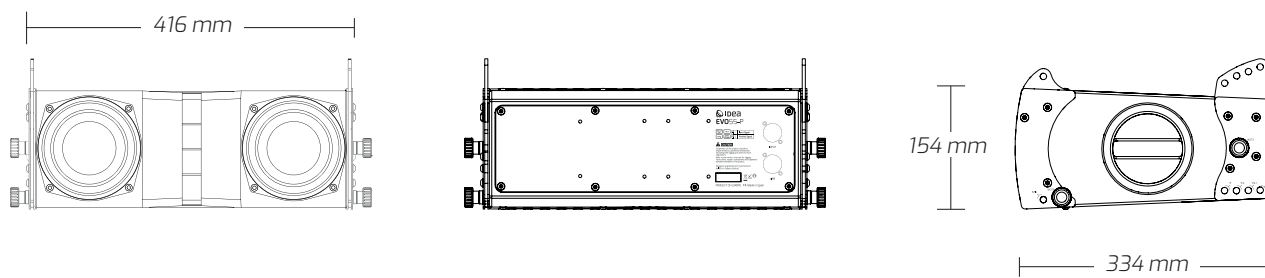
Passive systems can be configured as factory ready TE0d8 driven amps.



TECHNICAL DATA

Enclosure design	5° Trapezoidal
LF Transducers	2 × 5" High performance woofers
HF Transducers	1.75" Voice coil Compression Driver
Power Handling (RMS)	300 W
Nominal Impedance	16 Ohm
SPL (Continuous/Peak)	121/127 dB SPL
Frequency Range (-10 dB)	69 - 19000 Hz
Frequency Range (-3 dB)	95 - 17000 Hz
Aiming/Prediction Software	EASE FOCUS
Coverage	90° Horizontal
Connectors	2 x Neutrik speakON® NL-4 in parallel
+/-1	Input
+/-2	Link
Cabinet Construction	15/18 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 (internal splay angles: 0°-1.25°-2.5°-5°)
Dimensions (WxHxD)	416 x 154 x 334 mm (16.38 x 6.06 x 13.1 in)
Weight	13.3 kg (29.3 lbs)
Handles	2 integrated handles
Accessories	Rigging frame (RF EVO55) Rigging frame stack (RF EVO55 STK) Pole adaptor (PA EVO55) Extensible pole with hand crank (P21338)

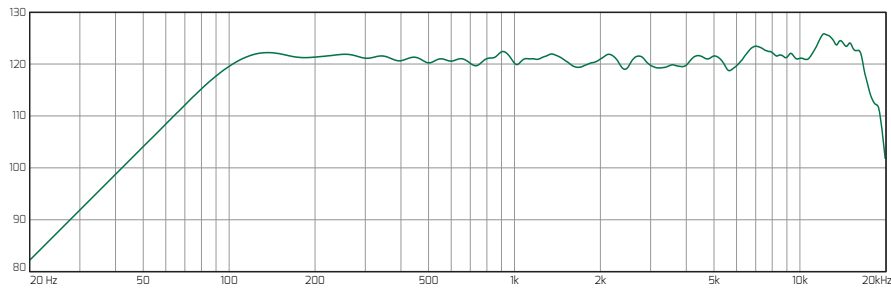
TECHNICAL DRAWINGS



ACOUSTICAL MEASUREMENTS

FREQUENCY RESPONSE

dB SPL

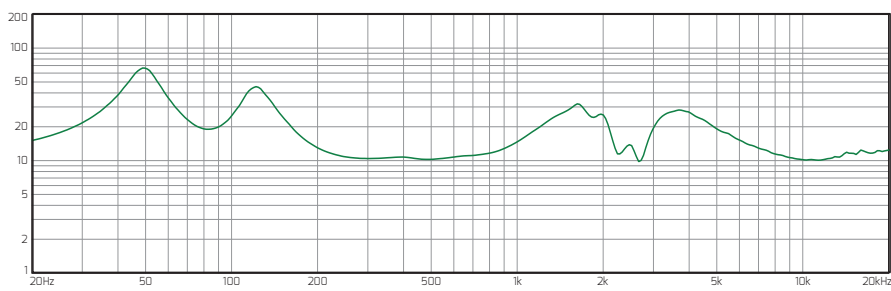


The above graph shows the frequency response for a 1-watt swept sine signal in an semi-anechoic environment (42π), measured at 3 m and scaled down at 1 m.

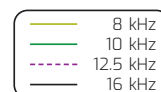
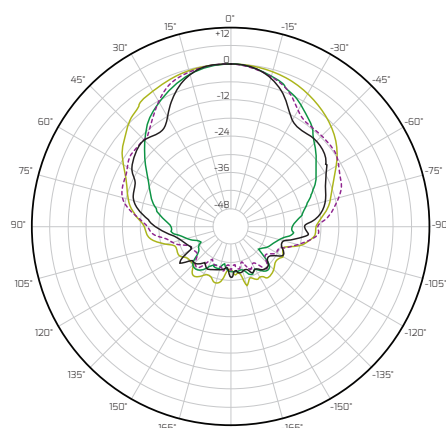
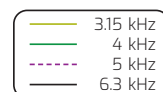
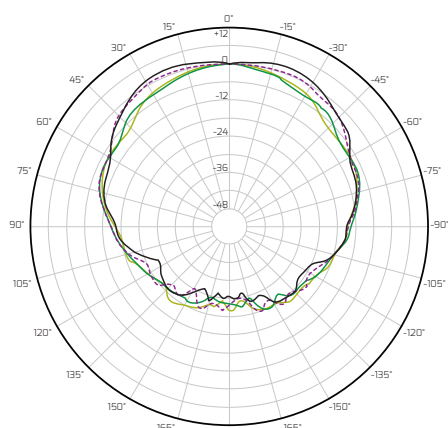
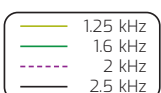
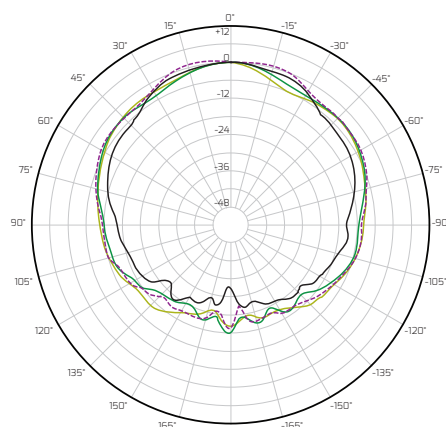
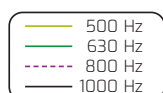
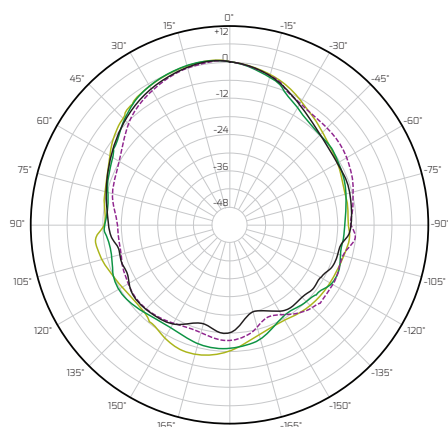
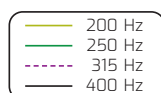
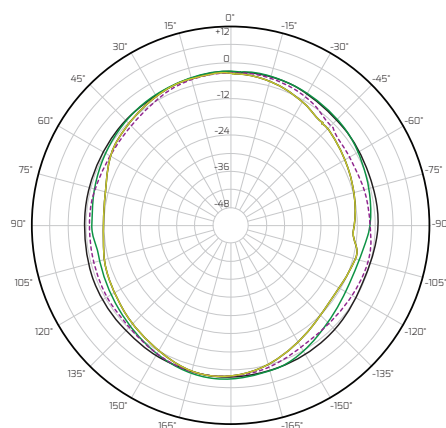
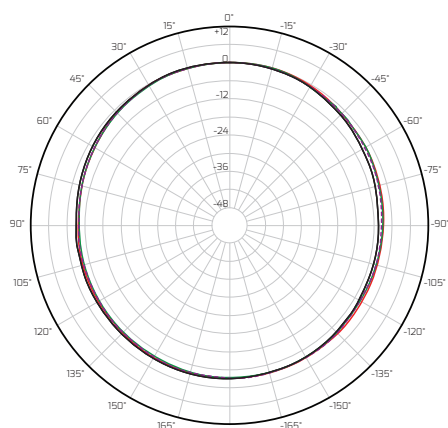
In order to provide more precise information for acoustical analysis, a 1/12 octave smoothing has been applied.

IMPEDANCE

Ohm



HORIZONTAL 1/3 OCTAVE POLARS



VERTICAL 1/3 OCTAVE POLARS

