

EVO55 System



2-Way 4-element Active Line-Array cluster

FEATURES

- 2-Way Dual 5" Ported Compact Line-Array element
- One active 1.4 kW EVO55-M element powers 3 EVO55-P passive elements
- Premium European High Efficiency custom IDEA Transducers (by Beyma)
- Proprietary IDEA High-Q 4-slot line-array waveguide
- Flown/Stacked configurations with BA55024t F400, active and passive versions

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

This 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.

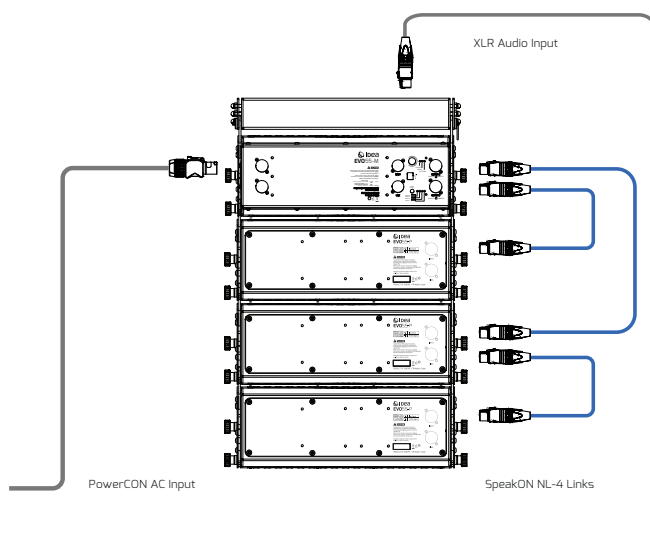


BASIC SYSTEM CONFIGURATION

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.

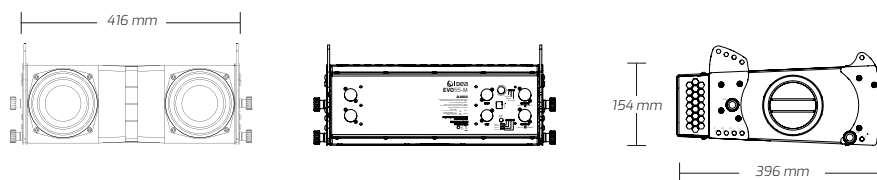


TECHNICAL DATA

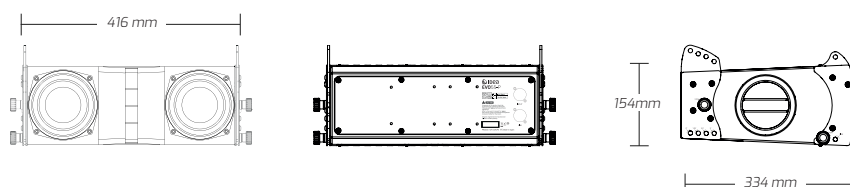
	EV055-M (x1)	EV055-P (x3)
Enclosure design	5° Trapezoidal	
LF Transducer	2 x 5" High Performance Woofers	
HF Transducer	1 x 1.75" Compression Driver	
Amp/DSP Module	1.4 kW	-
Power Handling (RMS)	-	300 W
Nominal Impedance	-	16 Ohm
SPL (Continuous/Peak) per element	121/127 dB SPL	
SPL (Continuous/Peak) 4-element system	125/131 dB SPL	
Frequency Range (-10 dB) per element	69 - 19000 Hz	
Frequency Range (-3 dB) per element	95 - 17000 Hz	
Connectors	2 x XLR + 2 x PowerCON + 2 x NL-4	2 x NL-4
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 396 mm (16.38 x 6.06 x 15.6 in)	416 x 154 x 334 mm (16.38 x 6.06 x 13.1 in)
Dimensions (WxHxD) System	416 x 622 x 396 mm (16.38 x 24.25 x 15.60 in)	
Weight - per element	15.8 kg (34.8 lb)	13.3 kg (29.3 lb)
Weight - System	55.7 kg (122.8 lb)	
Handles	2 integrated handles	
Accessories	Rigging frame (RF EV055) Rigging frame stack (RF EV055 STK) Pole adaptor (PA EV055) Extensible pole with hand crank (P21338)	

TECHNICAL DRAWINGS

EV055-M



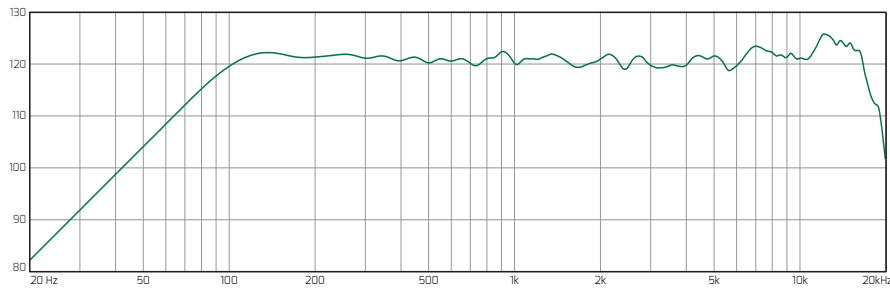
EV055-P



ACOUSTICAL MEASUREMENTS

FREQUENCY RESPONSE

dB SPL

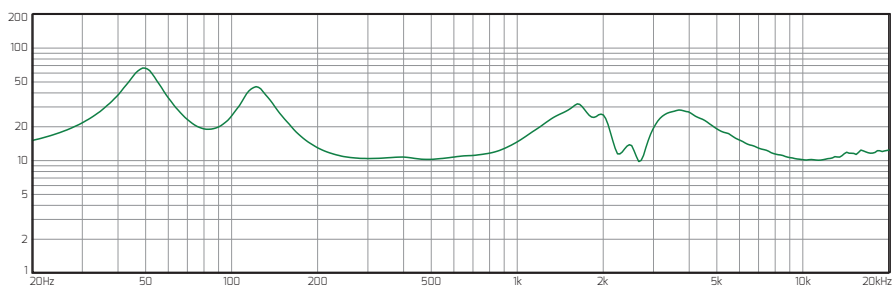


The above graph shows the frequency response for a 1-watt swept sine signal in an semi-anechoic environment (42π), measured at 3 m and scaled down at 1 m.

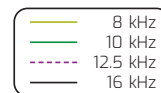
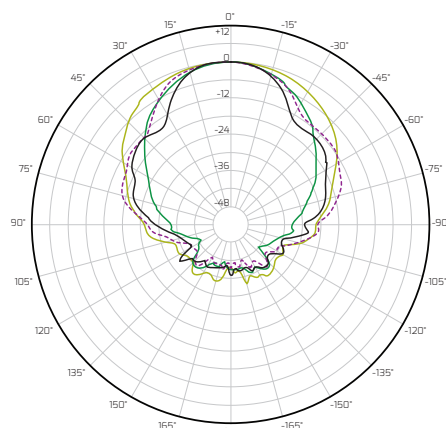
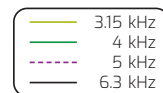
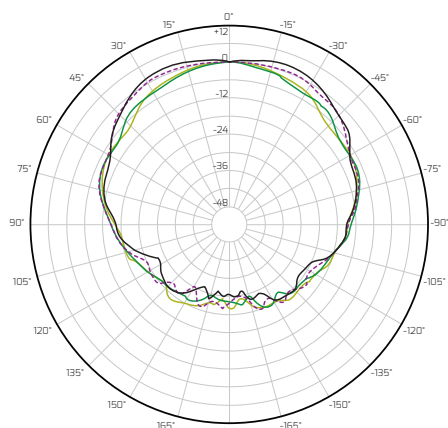
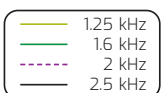
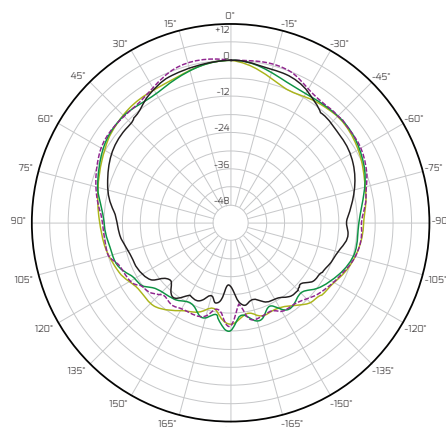
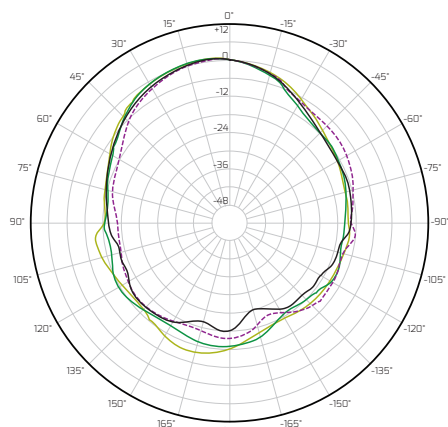
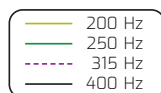
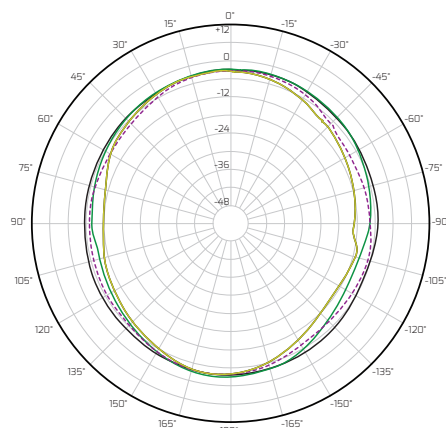
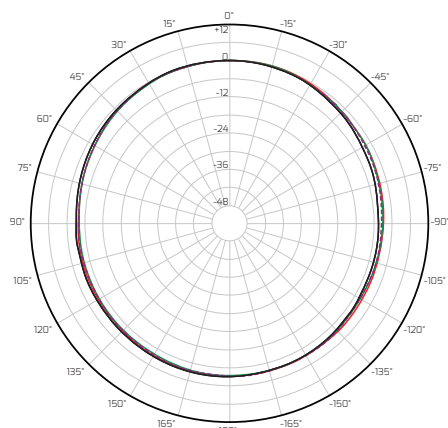
In order to provide more precise information for acoustical analysis, a 1/12 octave smoothing has been applied.

IMPEDANCE

Ohm



HORIZONTAL 1/3 OCTAVE POLARS



VERTICAL 1/3 OCTAVE POLARS

