

EVO88 System



2-Way Compact Active Line-Array system

FEATURES

- 2-Way Dual 8" Ported Compact Line-Array element
- Active 1.2 kW version can power another EVO88-P passive element
- Premium European High Efficiency custom IDEA Transducers (by Beyma)
- Proprietary IDEA High-Q 6-slot line-array waveguide
- Dedicated transport /storage/rigging accessories and flying frame
- Matching subwoofer for stacked and flown setups

APPLICATIONS

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

OVERVIEW

EVO88 System is a multipurpose line-array system that can serve as a portable or installed FOH solution for medium to large venues and as ancillary side/down fill for larger PA systems, with a coherent, natural sound within the coverage area and superior power delivery in its category.

EVO88 System features an active **EVO88-M** line-array element that features a 1.2 kW Class-D Powersoft power module that feeds another passive **EVO88-P** element, integrating a straightforward active system that optimises costs, setup and logistics.

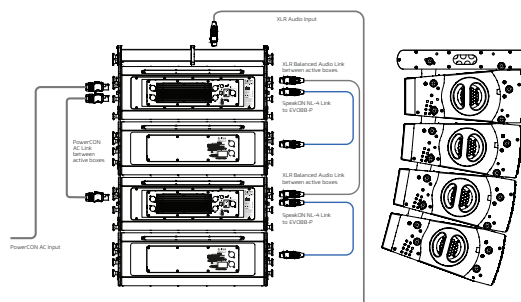
The HF assembly mounts a 3" compression driver and an IDEA proprietary Hi-Q waveguide allowing for minimum vertical gap between array elements providing optimum element coupling and reducing artifacts and DSP adjustments while providing optimum directivity control. For LMF section, **EVO88** mount dual very high-performance 8" woofers.

Self-Powered solutions with EVO88-M

The active **EVO88-M** features a 1.2 kW Class-D amp and DSP power module by Powersoft so one **EVO88-M** element can power another **EVO88-P** in active system, as shown in the diagram below, with the dedicated SpeakON NL-4 cable links included with every **EVO88-M**

Depending on the scale of the application, a medium-sized **EVO88-M** system can be easily split into smaller clusters for mobile and portable solutions.

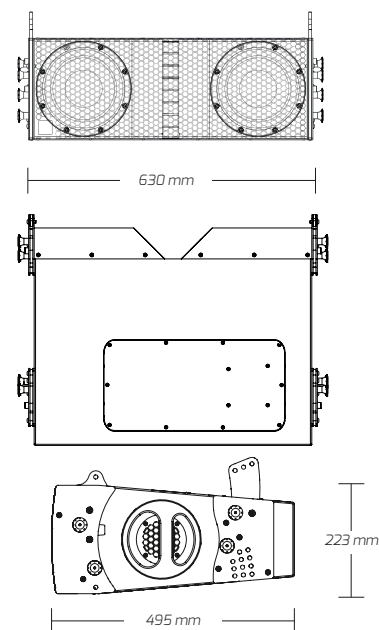
Passive systems can be configured as factory ready with turn-key solutions for **TEOd8** driven amps as well as top-tier third-party platforms (see www.ideaaudio.com/evo88-p for preset availability).



TECHNICAL DATA

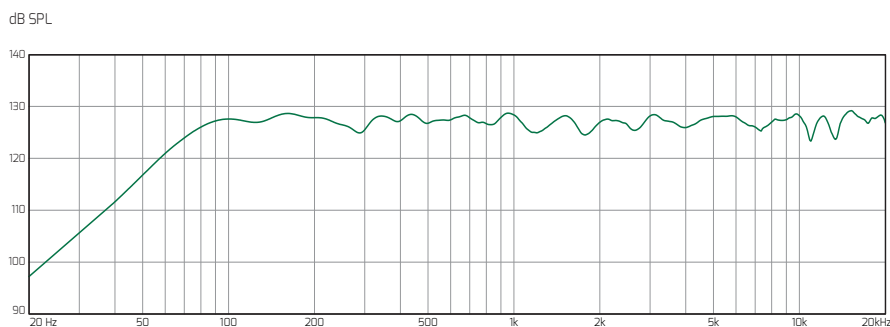
	EV088-M	EV088-P
Enclosure design	10° Trapezoidal ported cabinet	
HF Transducer	2 × 8" High performance woofers	
LF Transducer	3" Voice coil Compression Driver	
Amp/DSP Module	1.2 kW	-
RMS Power Handling *	-	600 W
Nominal Impedance	-	16 Ohm
SPL (Continuous/Peak)	127/133 dB SPL	
SPL (Continuous/Peak) 4-element system	130/136 dB SPL	
Frequency Response [-10 dB] per element	52 - 23000 Hz	
Frequency Response [-3 dB] per element	72 - 21000 Hz	
Connectors	XLR + PowerCON + NL-4	2 x NL-4
Dimensions [W x H x D]	630 x 223 x 495 mm (24,8 x 8,8 x 19,5 inch)	630 x 223 x 495 mm (24,8 x 8,8 x 19,5 inch)
Dimensions [W x H x D] - System	630 x 447 x 495 mm (24,8 x 17,6 x 19,5 inch)	
Weight - per element	35,5 kg (78,2 lbs)	33,5 kg (73,8 lbs)
Weight - System	61 kg (134,4 lbs)	

* IEC filtered pink noise with a 6dB crest factor, 2 hours.



Acoustical Measurements

Frequency Response



The above graph shows the frequency response for a 1-watt swept sine signal in a semi-anechoic environment (4π), 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

