

# 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.

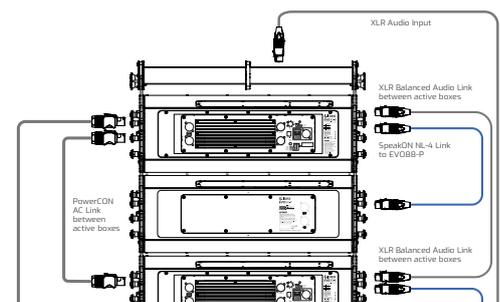
The HF assembly mounts a 3" compression driver and an IDEA proprietary Hi-Q waveguide allowing for minimum vertical gap between array elements providing optimum element coupling and reducing artifacts and DSP adjustments while providing optimum directivity control. For LMF section, **EVO88** mount dual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

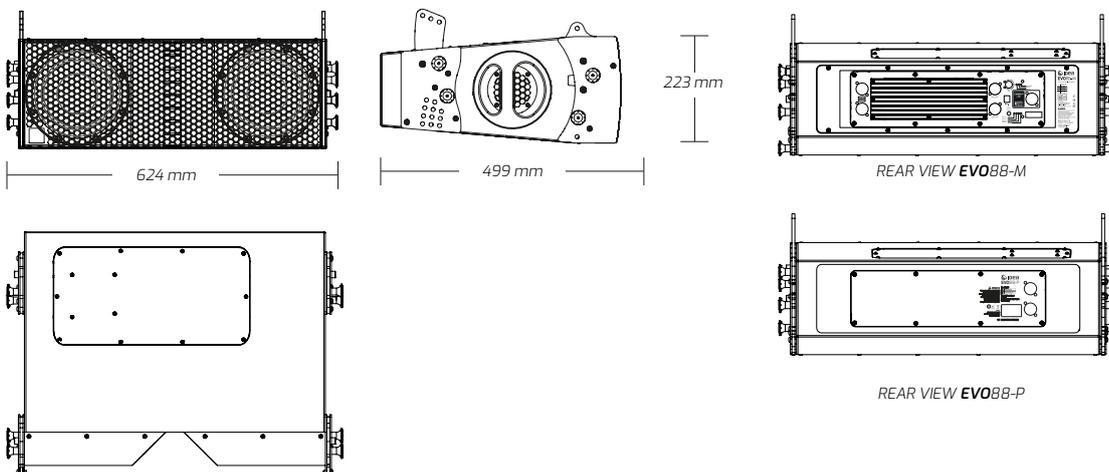
Passive systems can be configured as factory ready with turn-key solutions for **TEOd8** driven amps as well as top-tier third-party platforms (see [www.ideaproaudio.com/evo88-p](http://www.ideaproaudio.com/evo88-p) for preset availability).



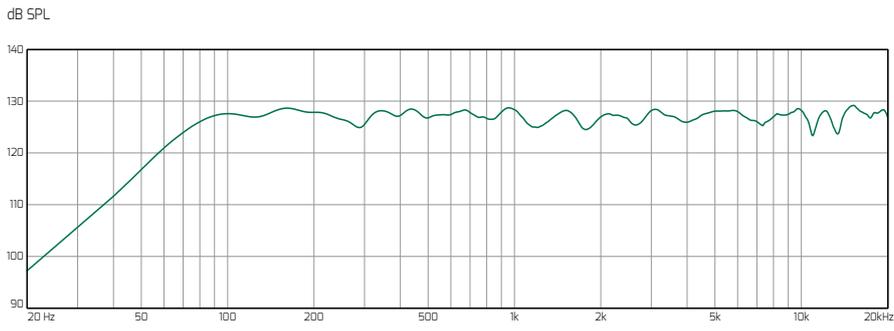
## TECHNICAL DATA

	EV088-M (x1)	EV088-P (x1)
Enclosure design		10° Trapezoidal
LF Transducer		2 × 8" High performance woofers
HF Transducer		3" Voice coil Compression Driver
Amp/DSP Module	1.2 kW	-
Power Handling (RMS)	-	500 W
Nominal Impedance	-	16 Ohm
SPL (Continuous/Peak) per element		130/136 dB SPL
SPL (Continuous/Peak) 4-element system		130/136 dB SPL
Frequency Range (-10 dB) per element		52 - 23000 Hz
Frequency Range (-3 dB) per element		72 - 21000 Hz
Connectors	2x XLR + 2 x PowerCON + 1 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 10 angulation points (0°-10° internal splay angles in 1°steps)
Dimensions (WxHxD)	624 x 223 x 499 mm (24.6 x 8.8 x 19.6 in)	624 x 223 x 499 mm (24.6 x 8.8 x 19.6 in)
Dimensions (WxHxD) System		624 x 447 x 499 mm (24.6 x 17.6 x 19.6 in)
Weight - per element	35.5 kg (78.2 lb)	33.5 kg (73.8 lb)
Weight - System		69 kg (152.1 lb)
Handles		2 integrated handles
Accessories		Rigging frame (RF 600) Rigging frame stack (RF 600 STK) Transport cart (CRT EV088) Rain cover for 4 x EV088 (COV-EV88-4) Power module rain cover (RC-EV88.included)

## TECHNICAL DRAWINGS

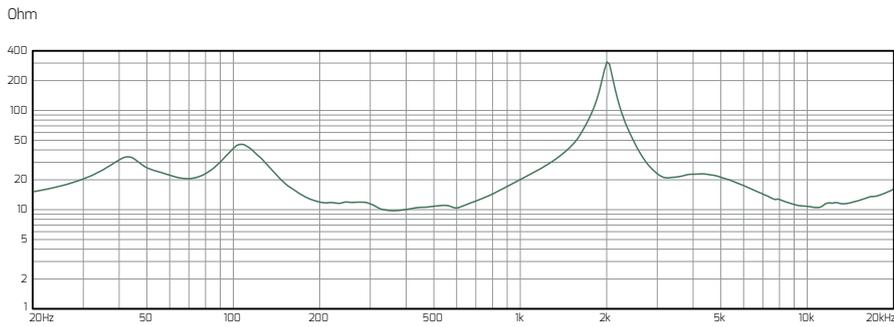


Frequency Response

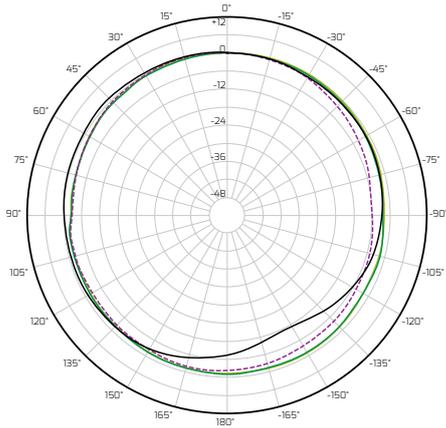


The above graph shows the frequency response for a 1-watt swept sine signal in an semi-anechoic environment (4π), measured at 3 m and scaled down at 1 m. In order to provide more precise information for acoustical analysis, a 1/12 octave smoothing has been applied.

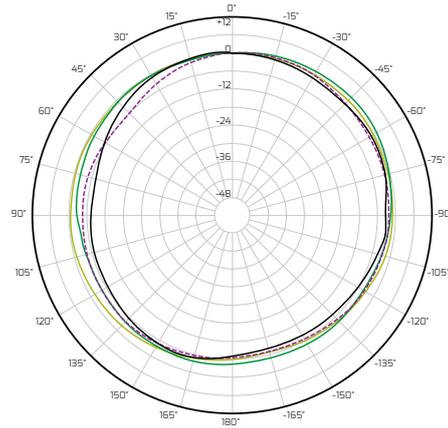
Impedance



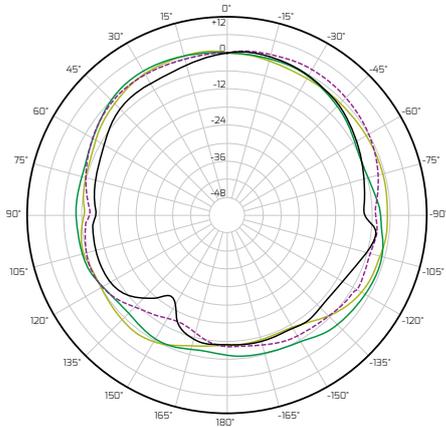
# HORIZONTAL 1/3 Octave POLARS



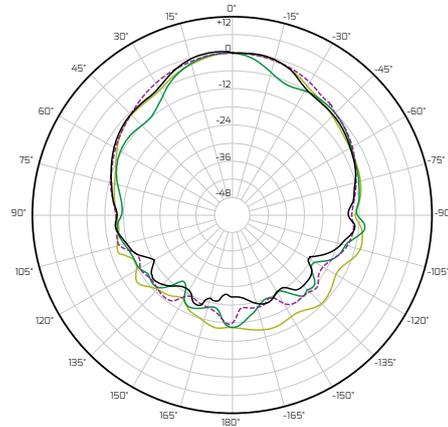
- 80 Hz
- 100 Hz
- - - 125 Hz
- 160 Hz



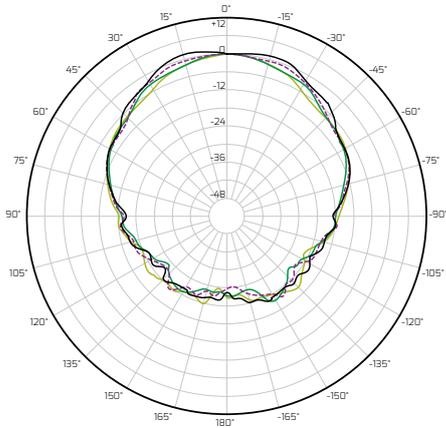
- 200 Hz
- 250 Hz
- - - 315 Hz
- 400 Hz



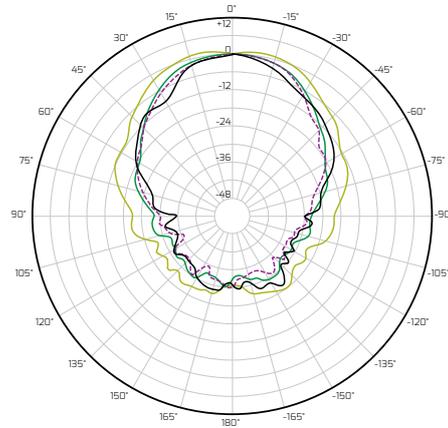
- 500 Hz
- 630 Hz
- - - 800 Hz
- 1000 Hz



- 1.25 kHz
- 1.6 kHz
- - - 2 kHz
- 2.5 kHz



- 3.15 kHz
- 4 kHz
- - - 5 kHz
- 6.3 kHz



- 8 kHz
- 10 kHz
- - - 12.5 kHz
- 16 kHz

VERTICAL 1/3 Octave POLARS

