

EVO24-P



Touring Line-Array System

FEATURES

- Premium European High Efficiency custom-IDEA Transducers
- Proprietary High-Q 8-slot dual-driver waveguide assembly
- Multi-enclosure cabinet design
- 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 with 10 angulation points
- Integrated lateral bars for transport and setup
- Durable Aquaforce paint coating process



APPLICATIONS

- Main system for Touring and Rental Companies
- Very High SPL installed sound reinforcement

OVERVIEW

EVO24-P is a passive large-format touring line array system specifically designed for professional sound reinforcement in big events, large venues or open spaces for audiences from 5000 to 50000, in productions or events operated by rental companies or pro-audio contractors.

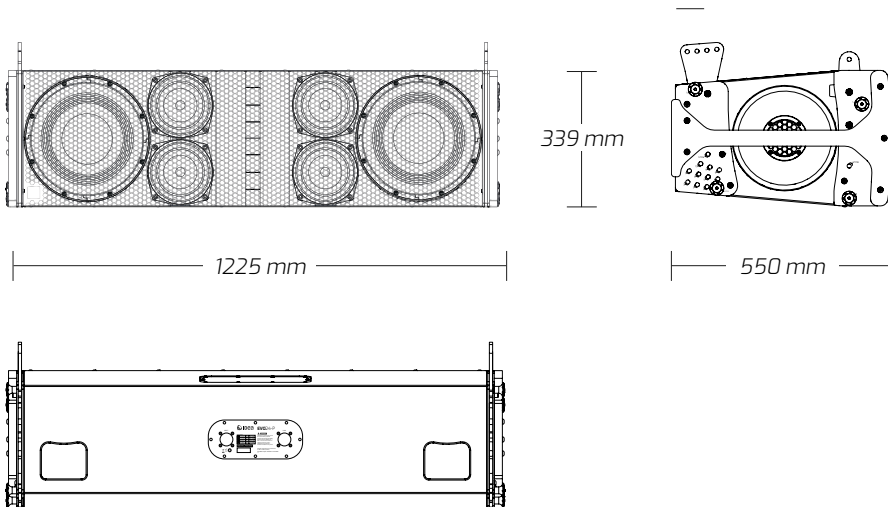
EVO24-P is a 4-Way line-array element that features dual-12" Neodymium LF woofers, 4 x 6.5" MF woofers in two sealed chambers and 2 x 3" Neodymium compression drivers coupled to a proprietary-design waveguide assembly.



TECHNICAL DATA

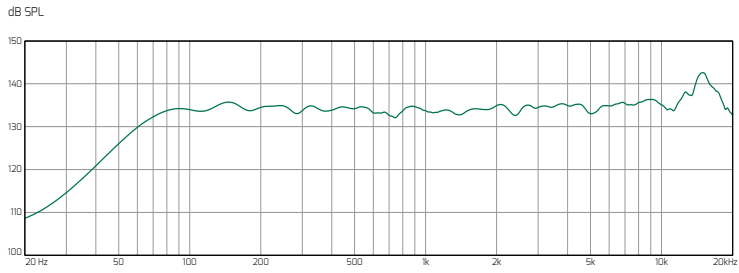
Enclosure design	10° Trapezoidal
LF Transducers	2 × 12" (4" voice coil) Neodymium woofers
MF Transducers	4 × 6.5" (2.5" voice coil)
HF Transducers	2 × 3" Neodymium compression drivers
Power Handling (RMS)	LF1: 1.2 kW LF2: 1.2 kW MF: 800 W HF: 140 W
Nominal Impedance	LF1: 8 Ohm LF2: 8 Ohm MF: 8 Ohm HF: 16 Ohm
SPL (Continuous/Peak)	136/142 dB SPL
Frequency Range (-10 dB)	47 - 23000 Hz
Frequency Range (-3 dB)	76 - 20000 Hz
Coverage	90° Horizontal
Connectors	2 x Neutrik speakON® NL-8
+/-1	LF1
+/-2	LF2
+/-3	MF
+/-4	HF
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)
Dimensions (WxHxD)	1225 × 339 × 550 mm (48.2 × 13.3 × 21.7 in)
Weight	81.7 kg (180.1 lb)
Handles	2 integrated handles
Accessories	Rigging frame (RF-EV24) Transpor Cart (CRT EVO24) Rain cover for 3 × EVO24 (COV-EV24-3)

TECHNICAL DRAWINGS



ACOUSTICAL MEASUREMENTS

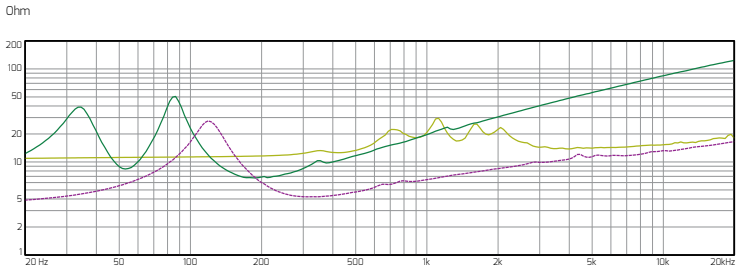
FREQUENCY RESPONSE



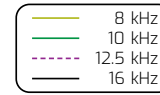
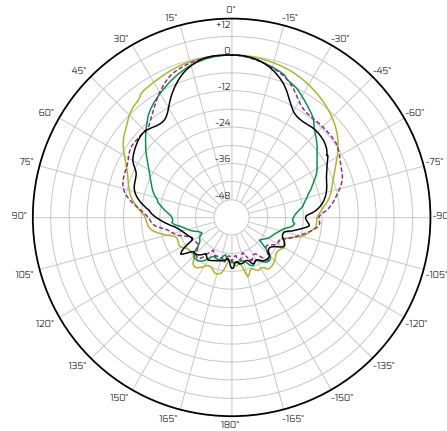
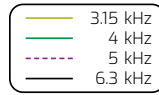
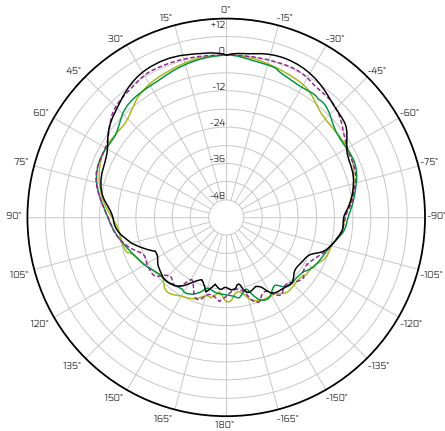
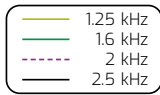
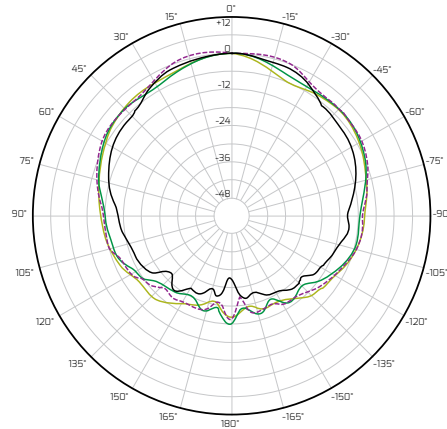
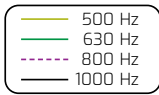
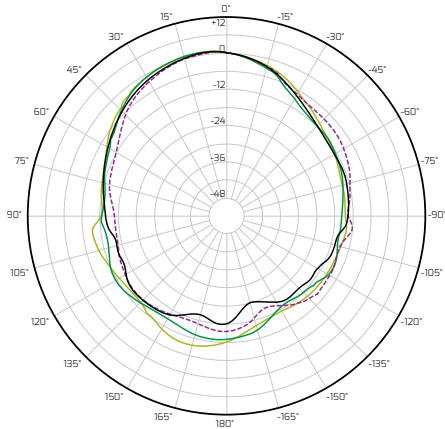
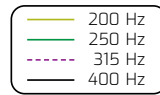
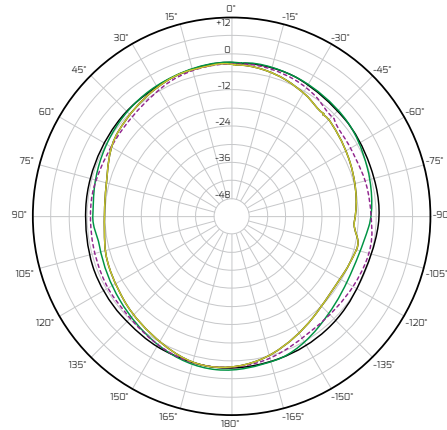
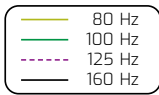
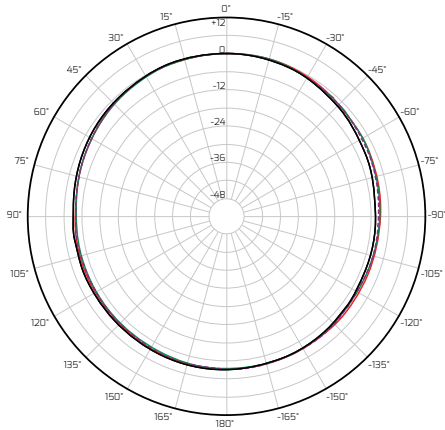
* The above graph shows the frequency response for a 1-watt swept sine signal in an anechoic environment (4π), measured at 3 m and scaled down at 1 m.

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

IMPEDANCE



HORIZONTAL 1/3 OCTAVE POLARS



VERTICAL 1/3 OCTAVE POLARS

