

2-way Passive Multipurpose Monitor

FEATURES

- Standard compact multipurpose wedged monitor (55°) design with four integrated handles
- Premium European High Efficiency custom IDEA Transducers and passive crossover board
- IDEA proprietary axisymmetric coherent spherical wave-front HF assembly
- 8 Ohm Passive
- Dual Neutrik NL4 connectors
- Durable Aquaforce paint, available in standard textured black or white.
- Optional RAL colors (on demand)
- Rugged and durable 15/18 mm birch plywood construction and finish
- 1.5 mm Aquaforce coated steel grille with internal protective foam
- 36 mm Pole mount cup and dedicated installation and rigging accessories



APPLICATIONS

- High SPL A/V portable sound reinforcement
- FOH for rehearsal rooms, medium performance venues and clubs
- FOH and Stage monitors for Regional Touring and Rental Companies
- Stage monitors, Side-fills, Front-fills or In-fills for Touring-Sound



OVERVIEW

EX012 is a versatile, high-performance full range 2-way passive wedged monitor conceived for professional environments where portable sound reinforcement is required, delivering a superior audio reproduction in a very compact, multipurpose format.

EX012 HF assembly couples a 3" compression driver into common **EXO** Series birch plywood axisymmetric horn with IDEA's proprietary design and a premium European, dedicated-design passive crossover filter provides a smooth, natural transition into the MLF 12" woofer and summing up into a full-range superior audio playback along the whole usable frequency range from 18 kHz down to 55 Hz.

Like all IDEA models, **EX012** is built with 15 and 18 mm birch plywood, IDEA's Aquaforce waterproof paint coating and a high quality steel grille, creating a rugged, durable and stylish loudspeaker.

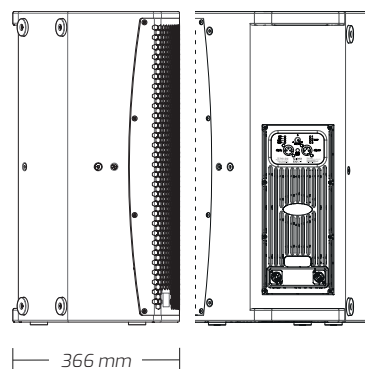
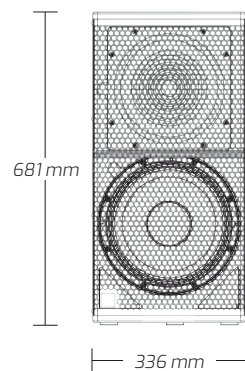
The 60° wedged cabinet allows not only to be used as FOH main system in small venues, bars and AV applications and as a stage monitor but to seamlessly fit into any wall mount fixed installation.

EX012 integrates a bottom Pole Mount 35 mm socket to be configured on **BASSO** Series subwoofers for portable sound reinforcement and medium performance venues and clubs. The dedicated U-bracket and ten threaded M8 inserts allow for all vertical and horizontal U-bracket positions both for wall and ceiling fixed installations as well as to be precisely oriented in pole mounted configurations.



TECHNICAL DATA

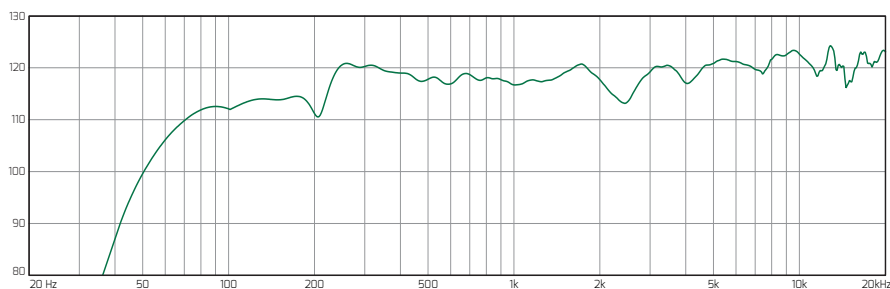
Enclosure design	Wedged
LF Transducers	1 x 12" High performance woofer
HF Transducers	3" Voice coil Compression Driver
Power Handling (RMS)	500 W
Nominal Impedance	8 Ohm
SPL (Continuous/Peak)	122/128 dB SPL
Frequency Range (-10 dB)	55 - 23000 Hz
Frequency Range (-3 dB)	69 - 21000 Hz
Coverage	80° Axisymmetric
Dimensions (WxHxD)	336 x 681 x 366 mm (13.2 x 26.8 x 14.4 in)
Weight	23.7 kg (52.2 lb)
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
Handles	2 integrated handles
Feet/Skates	4+3 Rubber feet
Installation	10 threaded M8 inserts. Bottom 36 mm pole mount socket
Accessories	U-Bracket vertical (UB-E12-V) U-Bracket horizontal (UB-E12-H) Pole (K&M-21336)



ACOUSTICAL MEASUREMENTS

FREQUENCY RESPONSE

dB SPL

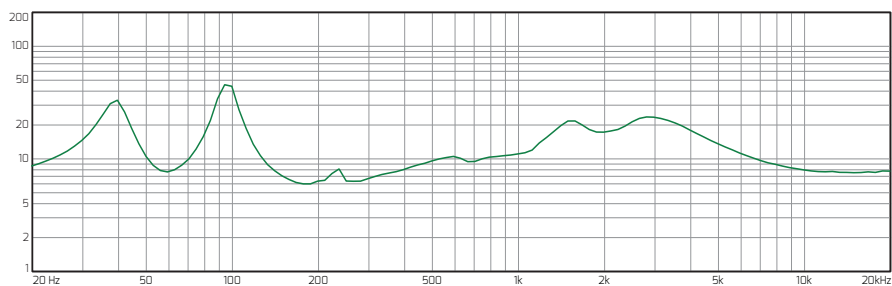


This graph shows the frequency response for a 1-watt swept sine signal in an anechoic environment (4pi), measured at 3 m and scaled down at 1 m.

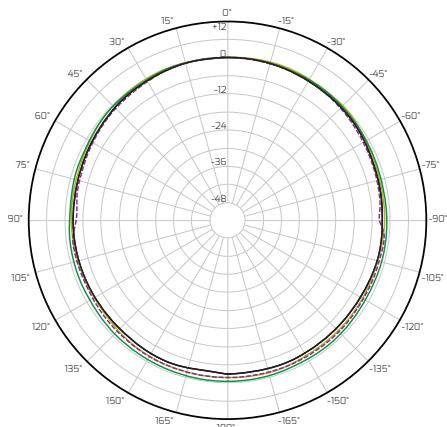
In order to provide more precise information for acoustical analysis, a 1/12 octave smoothing has been applied.

IMPEDANCE

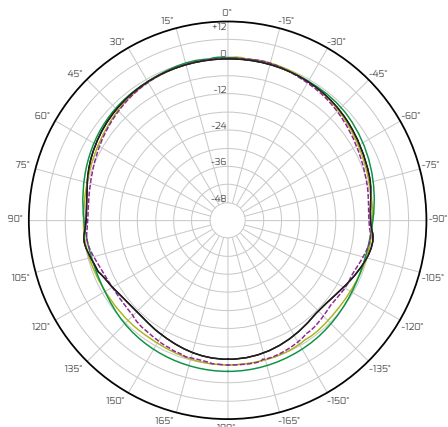
Ohm



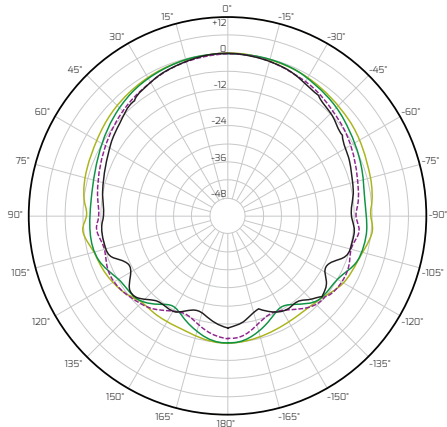
HORIZONTAL 1/3 OCTAVE POLARS



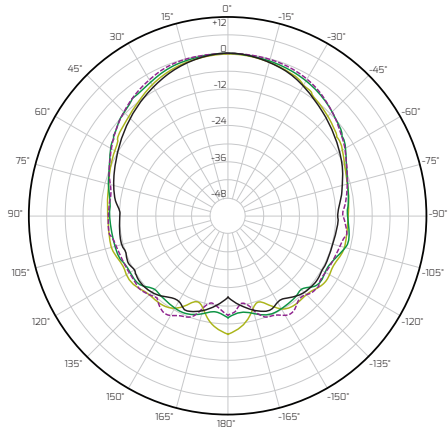
- 80 Hz
- 100 Hz
- 125 Hz
- 160 Hz



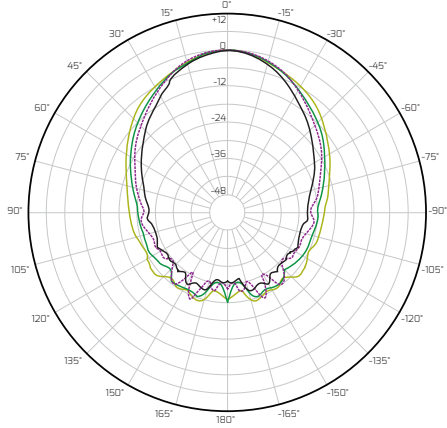
- 200 Hz
- 250 Hz
- 315 Hz
- 400 Hz



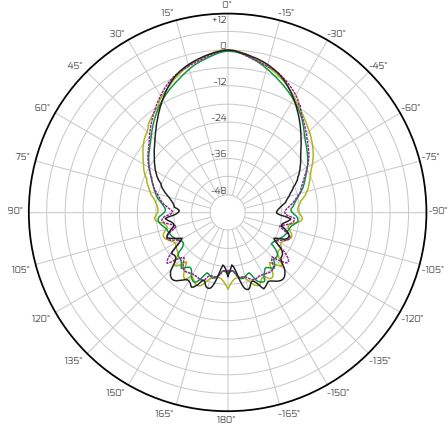
- 500 Hz
- 630 Hz
- 800 Hz
- 1000 Hz



- 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

