

## 3-way Bi-Amp Full-Range Main System

### FEATURES

- Full range bandwidth, with linear response from 35 Hz.
- 3-way design with dedicated special 12" MF in an a sealed midrange enclosure
- Premium European High Efficiency custom IDEA Transducers and passive crossover board
- IDEA proprietary axisymmetric coherent spherical wave-front HF assembly
- 8 + 8 Ohm Bi-AMP
- 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
- 7 integrated handles and transportation wheels



### APPLICATIONS

- High SPL A/V portable sound reinforcement
- FOH for rehearsal rooms, medium performance venues and clubs
- Portable DJ, Raves and Dance-floor club installations.
- FOH for Regional Touring and Rental Companies
- Drum fills, Side-fills, Front-fills and In-fills for Touring-Sound



### OVERVIEW

**EX018** is a high performance, full range Bi-Amp 3-way loudspeaker conceived for professional sound reinforcement applications delivering superior audio reproduction in a high performance, system-in-a-box format.

**EX018** 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 a MF 12" woofer, allocated in a sealed chamber. The LF 18" woofer adds deep, punch bass extension, delivering full-range superior audio playback along the whole usable frequency range from 18 kHz down to 50 Hz.

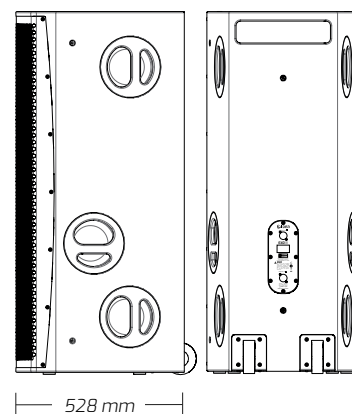
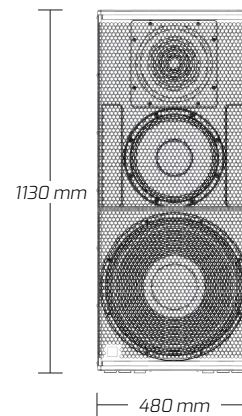
Like all IDEA models, **EX018** is built with 15 and 18 mm birch plywood, IDEA's Aquaforce waterproof paint coating and a high quality steel grille, creating a rugged, durable and stylish loudspeaker.

**EX018** features 7 handles and two integrated rugged wheels for ease of transport and set-up as well as 10 threaded M8 inserts for fixed installations.



## TECHNICAL DATA

Enclosure design	Trapezoidal cabinet · Bass-Reflex
LF Transducers	18" + 12" High performance woofers
HF Transducers	1 x 3" Voice coil Compression Driver (1.4 Exit, 145 mm magnet)
RMS Power Handling *	1250 + 550 W
Nominal Impedance	8 + 8 Ohm
SPL (Continuous/Peak)	130/136 dB SPL
Frequency Range (-10 dB)	35 - 23000 Hz
Frequency Range (-3 dB)	45 - 20000 Hz
Coverage	80° Axisymmetric
Dimensions (WxHxD)	480 x 1130 x 528 mm (18,9 x 44,5 x 20,8 inch)
Weight	62.5 kg (137.8 lbs)
Connectors	2 x Neutrik speakON® NL-4 in Parallel
+/-1	LF
+/-2	HF
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	7 integrated handles
Wheels	2 integrated wheels
Feet/Skates	4 Rubber feet
Installation	10 threaded M8 inserts

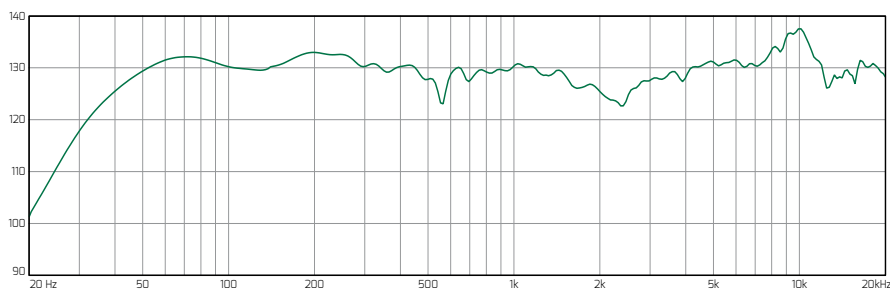


\* IEC filtered pink noise with a 6dB crest factor, 2 hours

## ACOUSTICAL MEASUREMENTS

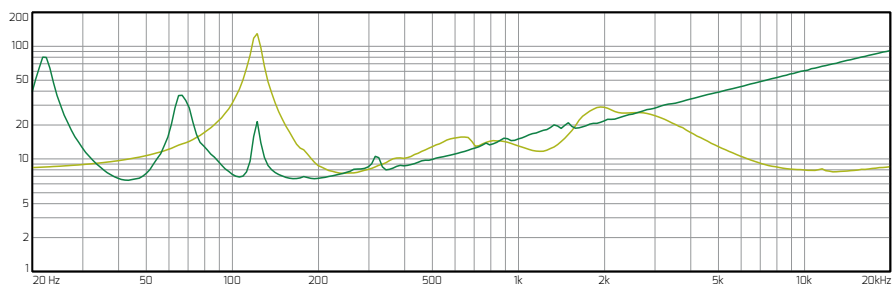
### FREQUENCY RESPONSE

dB SPL



### IMPEDANCE

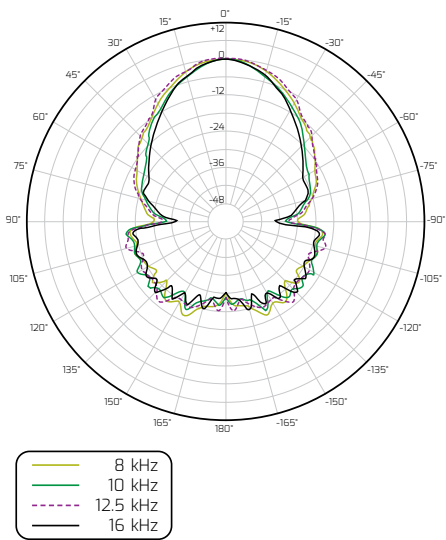
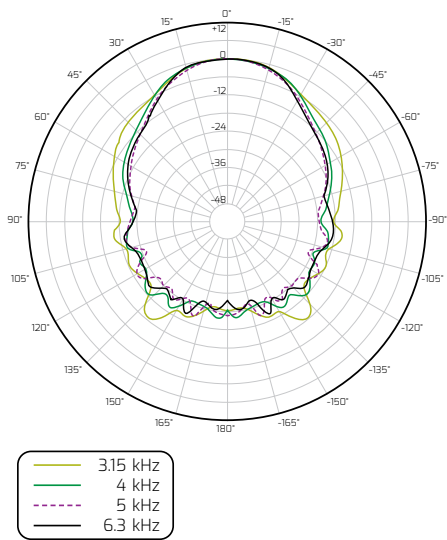
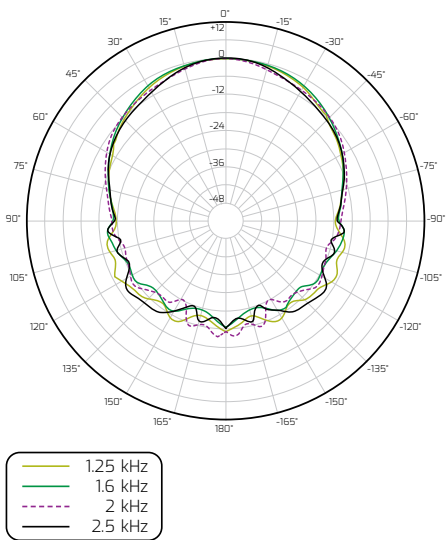
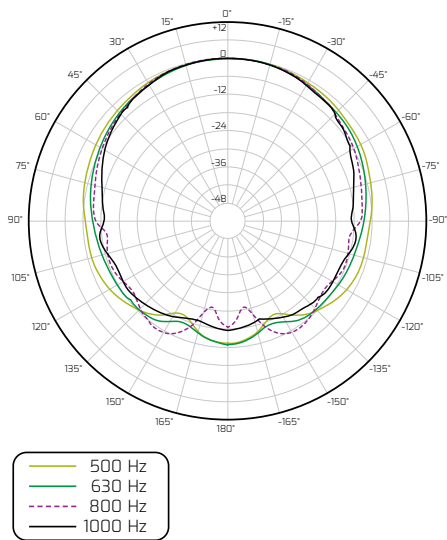
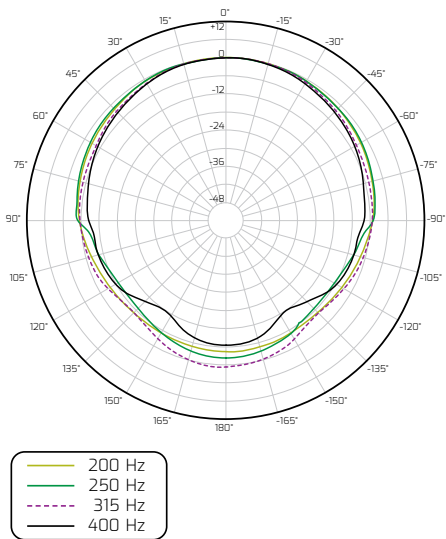
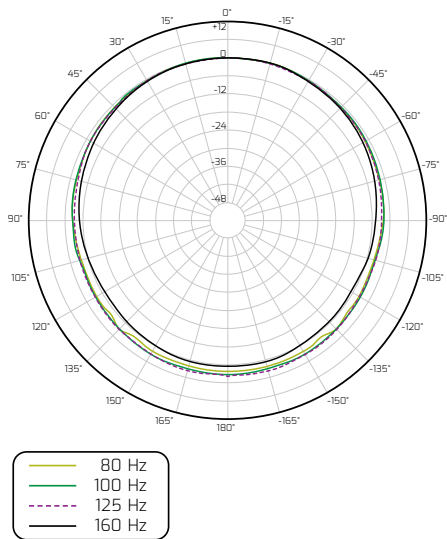
Ohm



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.

HORIZONTAL 1/3 OCTAVE POLARS



## VERTICAL 1/3 OCTAVE POLARS

