

## 6.5" XBL<sup>2</sup> High-Excursion Woofer

### KEY FEATURES

- XBL<sup>2</sup> motor design with 9.5 mm linear, Klippel verified, X-max
- Rigid, vented cast aluminum frame
- Abaca fiber cone body with damped rubber surround
- 1.5" voice coil with light weight copper clad aluminum wire
- Dual inside-outside copper shorting rings for ultra-low distortion.
- High energy neo ring magnet for lighter weight XBL<sup>2</sup> design

### GENERAL SPECIFICATIONS

Nominal Diameter (in & mm)	6.5" (165.1 mm)
Nominal Impedance (Z) (Ω)	8
Rated Power AES (W)	85 (170 watts peak)
Magnet Weight (oz)	5.1
Voice Coil Diameter (in & mm)	1.5" (38.1 mm)
SPL (dB) 1W @ 1M	85
Frequency Range (Hz)	40Hz-1kHz

### SMALL SIGNAL PARAMETERS

Fs (Hz)	45
Re (Ω)	6.4
Le (mH)	0.2
Mms (g)	22
Rms (kg/s)	0.87
Cms (mm/N)	0.44
Bl (T*m)	8.2
Qms	8.4
Qes	0.65
Qts	0.61
Vas (Liters)	7.5
Sd (cm <sup>2</sup> )	109
Xmax (mm) Klippel verified @82% Bl	10

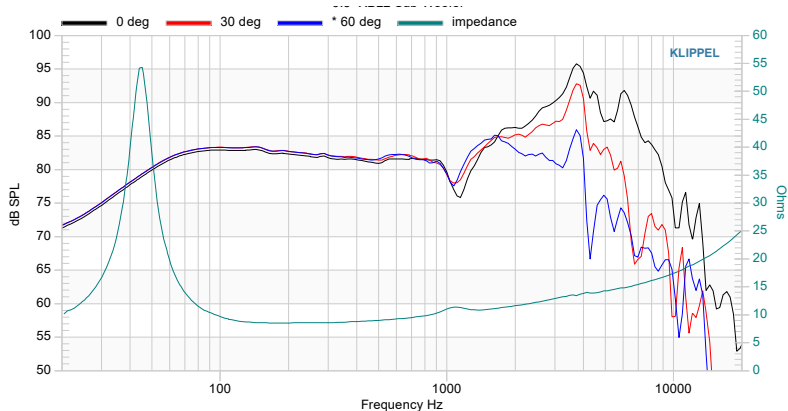
### MATERIAL DESCRIPTIONS

Basket	Cast Aluminum
Magnet Material	Neodymium
Cone Material	Abaca Fiber
Cone Edge	Rubber
Dust Cap	Abaca Fiber
Voice Coil	Copper clad aluminum
Voice Coil Former	Kapton



### FREQUENCY RESPONSE AND IMPEDANCE CURVES

- Input: 2.83 volts measured at 1 meter



### ABOUT BOLD NORTH AUDIO

Bold North Audio products are the most accurate, engineered audio transducers available. Each design undergoes Klippel vibrational test analyses to verify the key characteristics for optimal audio performance. While we rely heavily on objective science to lead us, we understand that most of all speakers need to tell the musical truth. Our engineers, musicians, and recording studio veterans are the final judges of when a design is worthy of the Bold North Audio brand. All Bold North Audio products are designed and assembled in Minnesota, with parts sourced from around the world to produce the highest combination of performance, consistency, and customer value.