



**Model # Austin 1250 Part # 86046**  
**12" Guitar Speaker, 50 Watt, 16 Ohm**



### Key Features

- American tone guitar speaker
- 12" (305 mm) steel basket diameter
- 50 watts, 16 ohm, 100 dB SPL
- 1.75" copper voice coil, kraft paper former
- Felted paper con & surround
- 50 oz. ferrite magnet

### Primary Specifications

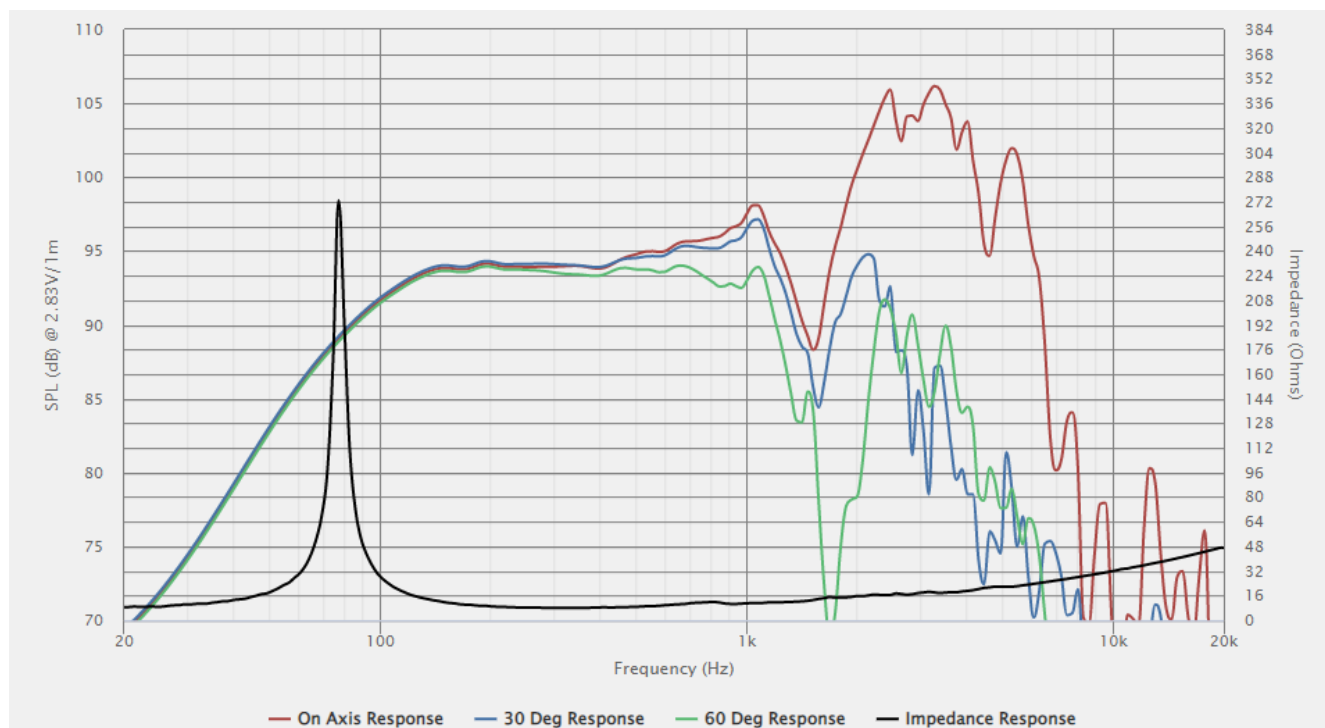
Size, Nominal (inch & mm)	12" (305 mm)
Nominal Impedance (Z) ( $\Omega$ )	16
Rated Power IEC268-5 (W)	50
Sensitivity (dB SPL) <sup>1</sup> (@1W/1 m)	100
Frequency range (Hz)	80 – 5,000
Resonant Frequency (Fs) (Hz)	101

### Product Description

Balance, punch, fullness, and clarity are at the forefront of this speaker. The mids are tailored and even, enabling the articulation, openness, air, and a nice glassiness to shine through in the highs. The tight, solid, and responsive lows round out the tone and perfectly balance the detail in the highs. A very musical speaker optimized for the ever so popular Deluxe Reverb, but suitable anywhere you want pure American tone.

### Sensitivity & Impedance Curves

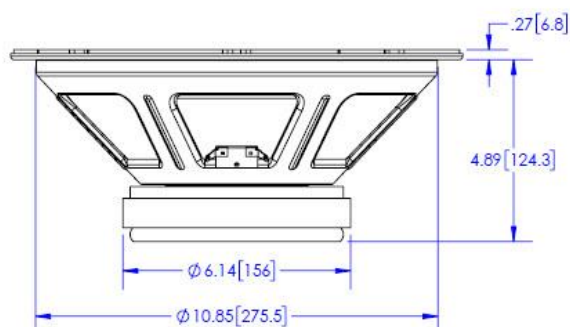
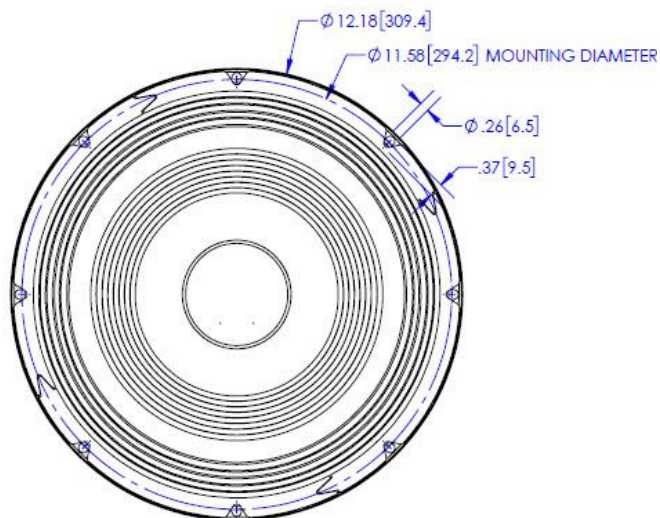
Input: 2.83 volts measured at 1 Meter



# ToneSpeak™

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## Transducer Drawings\*



\*CAD file available upon request

## Transducer Specifications (Klippel LPM)

Nominal Impedance (ohms)	16
DC Resistance (Re) (ohms)	13.9
Resonant Frequency (Fs) (Hz)	101
Voice Coil Inductance (Le) (mH)	0.58
Mechanical Q factor (Qms)	18.19
Electrical Q factor (Qes)	0.81
Total Q factor (Qts)	0.78
Moving Mass (Mms) (g)	31.7
Compliance (Cms) (mm/N)	0.1
Mechanical Resistance (Rms) (kg/s)	1.11
Effective Piston Area (Sd) (cm <sup>2</sup> )	539.1
Suspension Equivalent Volume (Vas) (liters)	33.6
Force Factor (Bl) (T*m)	18.6
Efficiency (No) (%)	4.13

## About ToneSpeak™

ToneSpeak guitar speakers are the result of years and years of the deep-dive for the perfect tone. Decades of testing, field experience and conversations with elite tone-chasers have all been poured into these fine products. When you play ToneSpeak, you play the best.

**All ToneSpeak products are assembled in Minnesota, with parts sourced from around the world to produce the highest combination of performance, consistency, and customer value.**

VERIFIED WITH  
**KLIPPEL**

