ToneSpeak™

Model # Austin 1250 Part # 86037
12” Guitar Speaker, 50 Watt, 8 Ohm



Key Features

- American tone guitar speaker
- 12” (305 mm) steel basket diameter
- 50 watts, 8 ohm, 100 dB SPL
- 1.75” copper voice coil, Kraft paper former
- Felted paper con & surround
- 50 oz. ferrite magnet

Primary Specifications

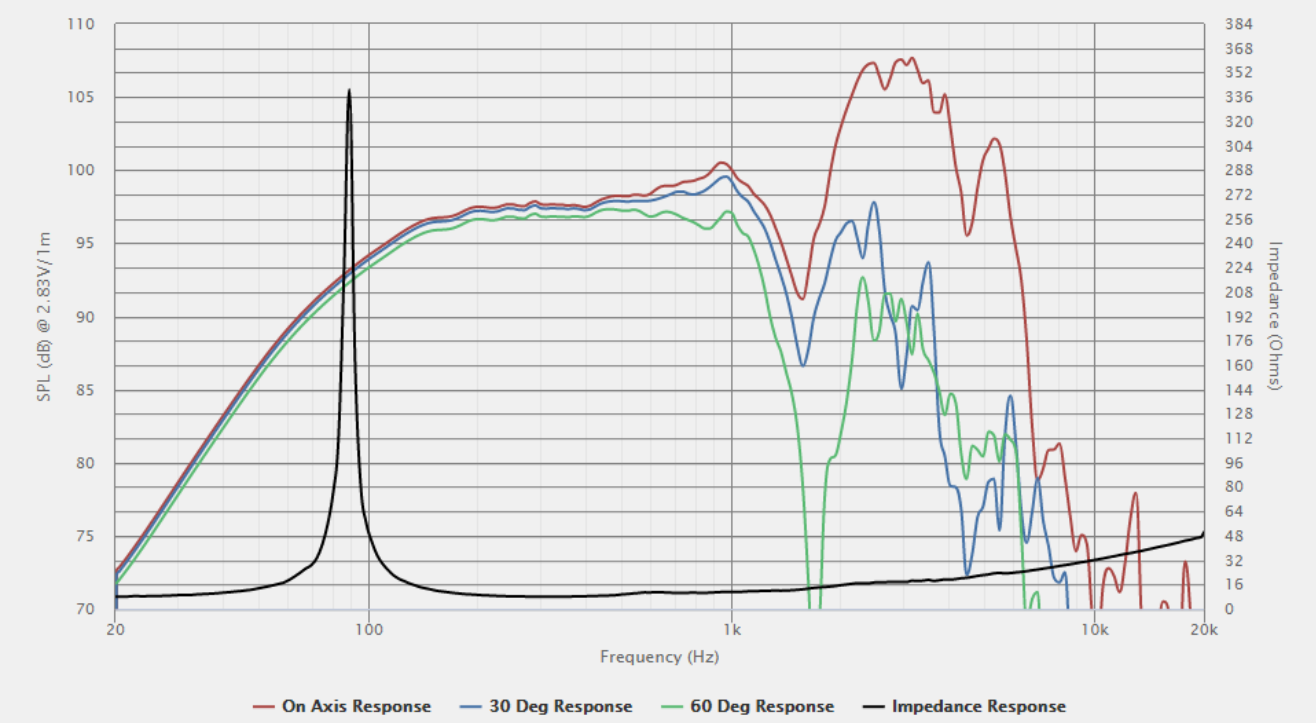
Size, Nominal (inch & mm)	12” (305 mm)
Nominal Impedance (Z) (Ω)	8
Rated Power IEC268-5 (W)	50
Sensitivity (dB SPL)[1] (@1W/1 m)	100
Frequency range (Hz)	80 – 5,000
Resonant Frequency (Fs) (Hz)	90

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

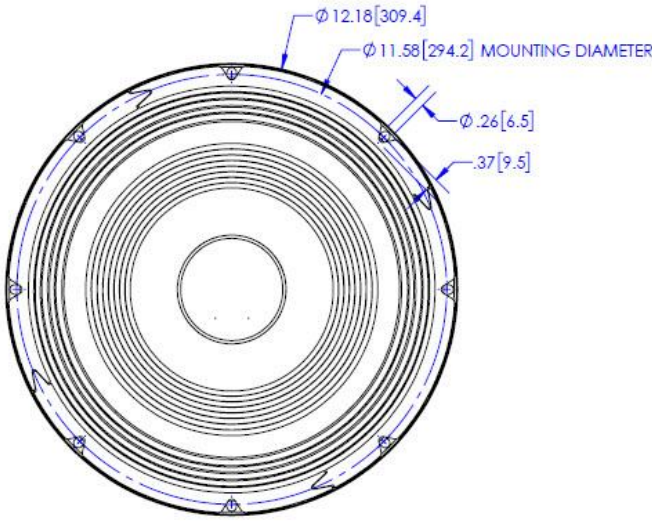


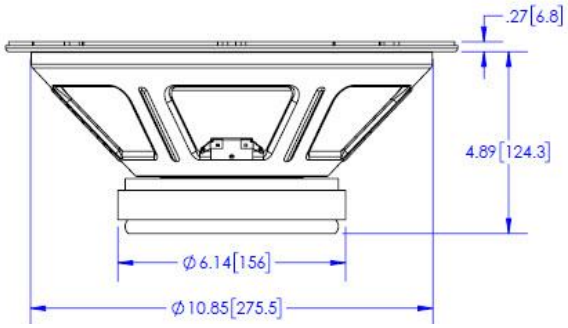
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Transducer Drawings*





*CAD file available upon request

Transducer Specifications (Klippel LPM)

Nominal Impedance (ohms)	8
DC Resistance (Re) (ohms)	7.1
Resonant Frequency (Fs) (Hz)	90
Voice Coil Inductance (Le) (mH)	0.39
Mechanical Q factor (Qms)	18.41
Electrical Q factor (Qes)	0.56
Total Q factor (Qts)	0.54
Moving Mass (Mms) (g)	28.2
Compliance (Cms) (mm/N)	0.1
Mechanical Resistance (Rms) (kg/s)	0.86
Effective Piston Area (Sd) (cm2)	539.1
Suspension Equivalent Volume (Vas) (liters)	46.1
Force Factor (Bl) (T*m)	14.3
Efficiency (No) (%)	5.75

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

7 WARRANTY YEAR

RoHS COMPLIANT

MADE IN MINNESOTA STATE OF INNOVATION

QUALITY ISO 9001:2015 CERTIFICATION

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