



Model # Birmingham 1275 Part # 86044
12" Guitar Speaker, 75 Watt, 16 Ohm



Key Features

- British tone guitar speaker
- 12" (305 mm) steel basket diameter
- 75 watts, 16 ohm, 100 dB SPL
- 1.75" copper voice coil, nomex former
- Kurt Müller speaker cone
- 50 oz. ferrite magnet

Primary Specifications

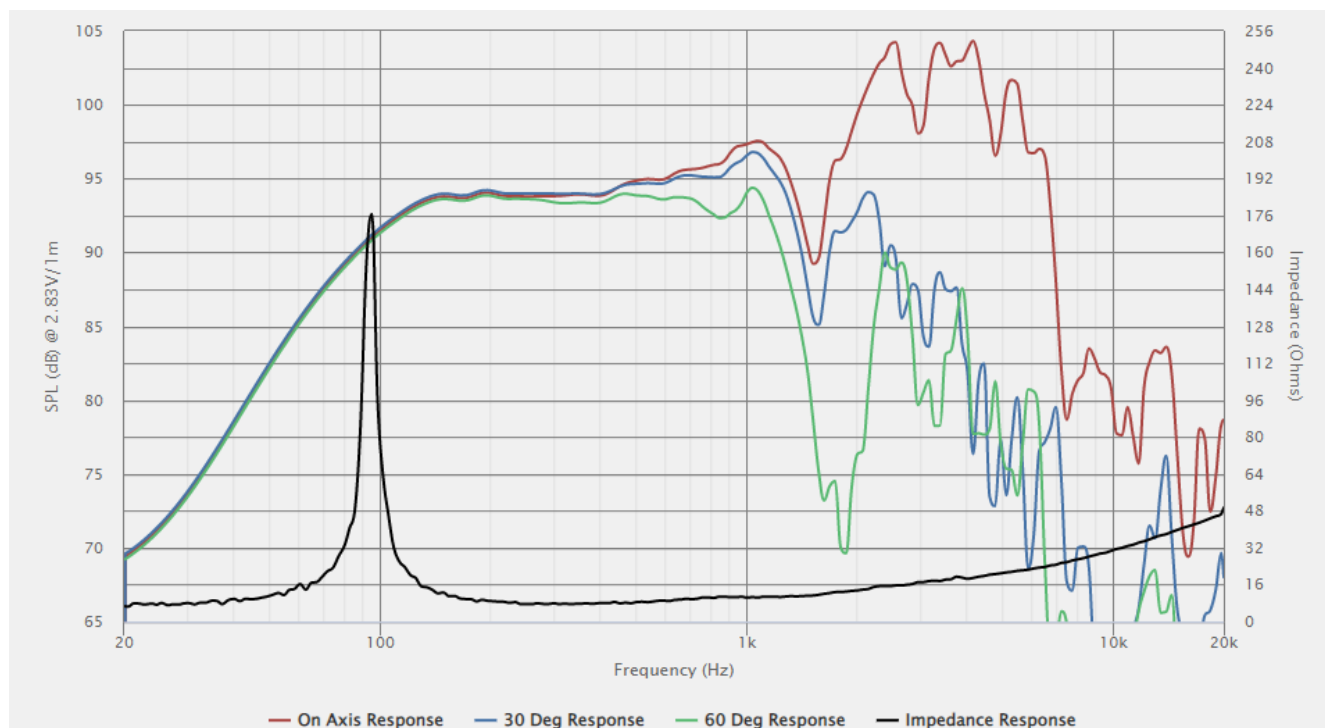
Size, Nominal (inch & mm)	12" (305 mm)
Nominal Impedance (Z) (Ω)	16
Rated Power IEC268-5 (W)	75
Sensitivity (dB SPL) ¹ (@1W/1 m)	100
Frequency range (Hz)	80 – 5,000
Resonant Frequency (Fs) (Hz)	104

Product Description

This speaker has a personality all its own, with balance from top to bottom and rich harmonic complexity. Good punch and definition in the lows that won't get flabby, a warm, throaty, and broad midrange, and nice grit with soaring articulation in the highs.

Sensitivity & Impedance Curves

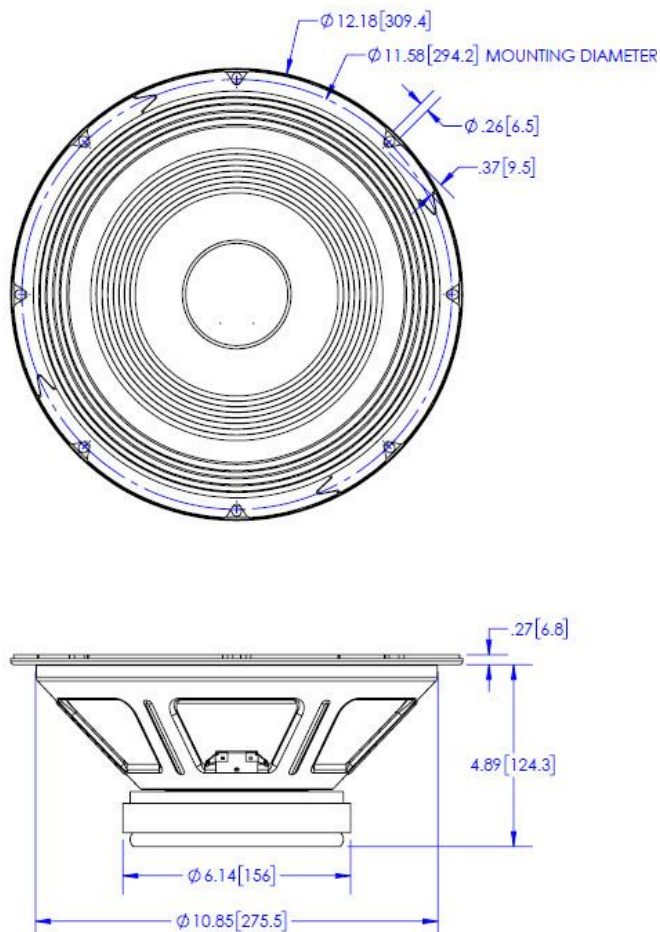
Input: 2.83 volts measured at 1 Meter





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Transducer Drawings*



*CAD file available upon request

Transducer Specifications (Klippel LPM)

Nominal Impedance (ohms)	16
DC Resistance (Re) (ohms)	13.9
Resonant Frequency (Fs) (Hz)	104
Voice Coil Inductance (Le) (mH)	0.54
Mechanical Q factor (Qms)	12.72
Electrical Q factor (Qes)	0.91
Total Q factor (Qts)	0.85
Moving Mass (Mms) (g)	29.0
Compliance (Cms) (mm/N)	0.1
Mechanical Resistance (Rms) (kg/s)	1.49
Effective Piston Area (Sd) (cm ²)	551.6
Suspension Equivalent Volume (Vas) (liters)	34.8
Force Factor (Bl) (T*m)	17.0
Efficiency (No) (%)	4.12

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.

