

ToneSpeak™

Model # Minneapolis 1050 Part # 86050
10" Guitar Speaker, 50 Watt, 8 Ohm



Key Features

- American tone guitar speaker
- 10" (250 mm) steel basket diameter
- 50 watts, 8 ohm, 97 dB SPL
- 1.75" copper voice coil, Nomex former
- USA-made purple paper cone
- 35 oz. ferrite magnet

Primary Specifications

Size, Nominal (inch & mm)	10" (250 mm)
Nominal Impedance (Z) (Ω)	8
Rated Power IEC268-5 (W)	50
Sensitivity (dB SPL) ¹ (@1W/1 m)	97
Frequency range (Hz)	55 – 5,500
Resonant Frequency (Fs) (Hz)	97

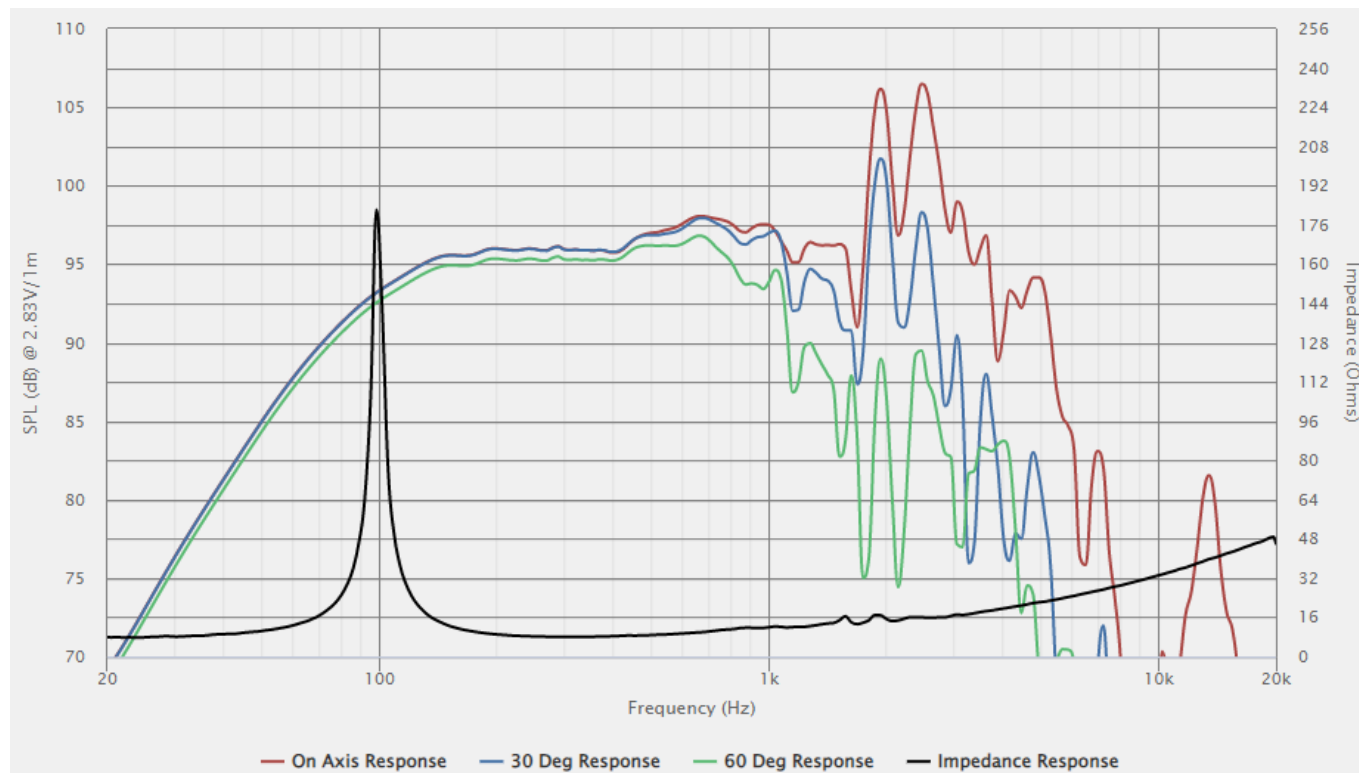
Product Description

A broad response ideal for either lead or rhythm guitar, as well as deep range for dropped tuning, lets the Minneapolis breathe new life into your tone. An American made, purple paper cone (honoring our favorite local legend), is anchored into a robust steel basket, and delivers a strong and even tone for lows, mids, and highs.

This 10" model provides high sensitivity by using a high-power ferrite magnet and the same 1.75" voice coil used in the 12" ToneSpeak series; a perfect upgrade for anyone looking to add a little more *oomph* to their tube amp.

Sensitivity & Impedance Curves

Input: 2.83 volts measured at 1 Meter



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1771 Energy Park Drive, Suite #400, St. Paul, MN 55108

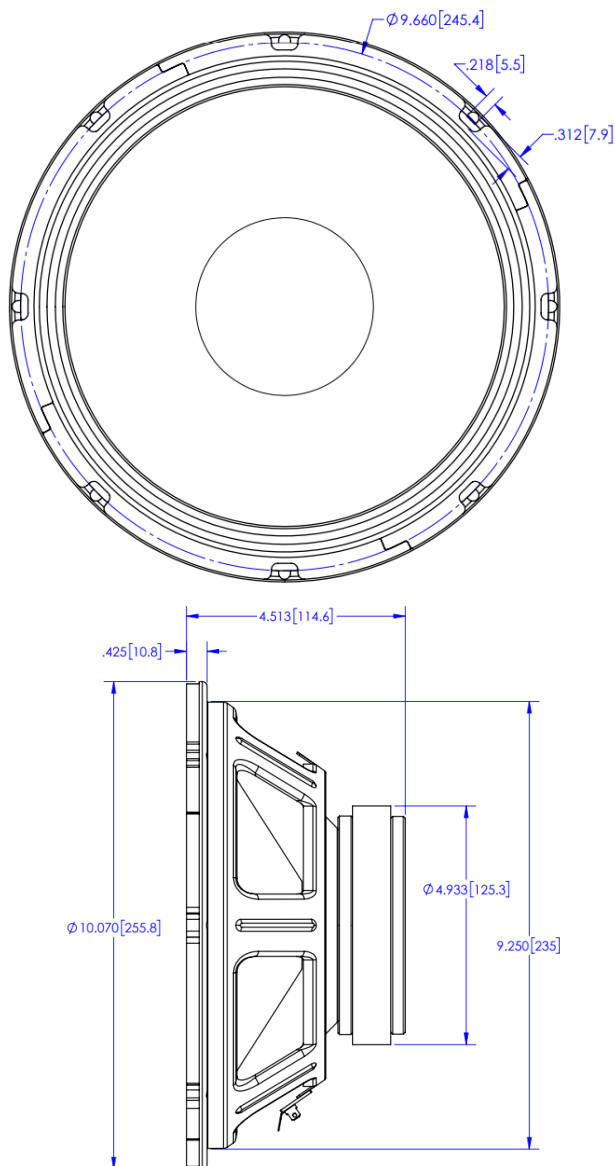
Phone: 800-276-9955 Email: sales@tonespeak.com

www.tonespeak.com



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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)	97
Voice Coil Inductance (Le) (mH)	0.41
Mechanical Q factor (Qms)	18.89
Electrical Q factor (Qes)	0.72
Total Q factor (Qts)	0.7
Moving Mass (Mms) (g)	23.83
Compliance (Cms) (mm/N)	0.1
Mechanical Resistance (Rms) (kg/s)	0.74
Effective Piston Area (Sd) (cm ²)	397.6
Suspension Equivalent Volume (Vas) (liters)	26.2
Force Factor (Bl) (T*m)	11.73
Efficiency (No) (%)	3.21

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

