MODEL #: 133-WF08-01

5.25 INCH (133 MM) 8 OHM, HOME AUDIO MIDWOOFER

PART #: 93032

The 93032 is a premium quality speaker meant as a midbass or woofer in a home audio sound system. The engineered design of this elegant solution allows for detailed audio in both sealed and vented enclosures.

- Midwoofer
- 5.25” (133 mm) basket diameter
- 25 watts, 8 ohms, 86 dB SPL
- 1" aluminum voice coil, aluminum former
- 1.8 Oz. Ferrite magnet, cast aluminum frame
- Polypropylene cone, rubber surround

MISCO engineers test and analyze the performance of these speakers using the world's most sophisticated loudspeaker measurement systems including the Klippel Analyzer and the Klippel QC, which confirm the final design.

Primary Specifications

Size, Nominal (inch & mm)	5" (127 mm)
Rated Impedance (Ω)	8
Continuous Power (W)	25
Sensitivity (dB SPL) [1]	86
Frequency Range (Hz)	40 - 10, 000
Resonant Frequency (Fs) (Hz) +/- 15%	49

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More Specifications

Application	High-End Audio and Home Theater, Home Audio
RoHS Compliant	Yes
DC Resistance (Re) (Ω)	7.0
Program Power (W)	50
Continuous Power (W)	25

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
DC Resistance (Re) (Ω)	7.0
Voice Coil Inductance (Le) (mH)	0.17
Resonant Frequency (Fs) (Hz) +/- 15%	49
Mechanical Q Factor (Qms)	3.19
Electrical Q Factor (Qes)	0.60
Total Q Factor (Qts)	0.50
Moving Mass (Mms) (gm)	9.3
Suspension Compliance (Cms) (mm/N)	0.89
Mechanical Resistance (Rms) (kg/s)	1.02
Surface Area of Diaphragm (Sd) (cm^2)	85.0
Compliance Equivalent Volume (Vas) (L)	9.10
Maximum Linear Excursion (Xmax) (mm)	4.9
Motor Force Factor (BL) (T•M)	6.2
Efficiency (η_0) (%)	0.25
Efficiency Bandwidth Product (EBP) (Fs/Qes)	82.2

Material Descriptions

Basket Type	Cast aluminum
Terminal Size (mm)	6.4 x 0.8 / 4.7 x 0.5
Voice Coil Diameter (mm)	25.4
Voice Coil Wire Material	Aluminum
Voice Coil Former Material	Aluminum
Magnet Material	Ferrite
Magnet Weight (g)	50.8
Cone Body Material	Polypropylene
Cone Surround Material	Natural rubber
Dust Cap Material	Cloth

Net Weight (kg)	1.32