MODEL #: 250-WF08-01

10 INCH (250 MM) 8 OHM, HOME AUDIO WOOFER

PART #: 93056

The 93056 is a great woofer for sealed enclosures in home theaters, music systems, and other DIY projects – a solid replacement for a worn *Tannoy*™ woofer of a similar size.

- Woofer
- 10” (250 mm) basket diameter
- 75 watts, 8 ohm, 88 dB SPL
- 1.5” copper voice coil, Kapton former
- Ferrite magnet, stamped steel basket
- Polypropylene cone, foam 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.

Pair this woofer with one of our MISCO Amplifiers.



Primary Specifications

Size, Nominal (inch & mm)	10" (250 mm)
Rated Impedance (Ω)	8
Continuous Power (W)	75
Sensitivity (dB SPL) [1]	88
Frequency Range (Hz)	20 - 1, 800
Resonant Frequency (Fs) (Hz) +/- 15%	28

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More Specifications

Application	Arcade Gaming, High-End Audio and Home Theater, Home Audio
RoHS Compliant	Yes
DC Resistance (Re) (Ω)	7.7
Program Power (W)	150
Continuous Power (W)	75

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
DC Resistance (Re) (Ω)	7.7
Voice Coil Inductance (Le) (mH)	1.26
Resonant Frequency (Fs) (Hz) +/- 15%	28
Mechanical Q Factor (Qms)	11.92
Electrical Q Factor (Qes)	0.62
Total Q Factor (Qts)	0.64
Moving Mass (Mms) (gm)	56.0
Suspension Compliance (Cms) (mm/N)	0.59
Mechanical Resistance (Rms) (kg/s)	0.82
Surface Area of Diaphragm (Sd) (cm^2)	343.1
Compliance Equivalent Volume (Vas) (L)	97.68
Motor Force Factor (BL) (T•M)	11.0
Efficiency (η_0) (%)	0.33
Efficiency Bandwidth Product (EBP) (Fs/Qes)	45.2

Material Descriptions

Basket Type	Stamped steel
Terminal Size (mm)	5.2 x 0.5
Voice Coil Diameter (mm)	38.1
Voice Coil Wire Material	Copper
Voice Coil Former Material	Kapton
Magnet Material	Ferrite
Magnet Weight (g)	793.8
Cone Body Material	Polypropylene
Cone Surround Material	Polyether foam
Dust Cap Material	Polypropylene

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