MODEL #: 203-WF08-02

8 INCH (203 MM) 6 OHM, HOME AUDIO WOOFER

PART #: 93047

The 93047 is an ideal replacement driver for the high-sensitivity woofers in both the *Bose*™ 301 and 601 systems. A 6 ohm impedance makes this driver a flexible solution that fits within either 4 ohm or 8 ohm audio set-ups.

- Woofer
- 8” (203 mm) basket diameter
- 50 watts, 6 ohms, 91 dB SPL
- 1” copper voice coil, aluminum former
- Ferrite magnet, stamped-steel basket
- Paper 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)	8" (203 mm)
Rated Impedance (Ω)	6
Continuous Power (W)	50
Sensitivity (dB SPL) [1]	91
Frequency Range (Hz)	30 - 3, 000
Resonant Frequency (Fs) (Hz) +/- 15%	37

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More Specifications

Application	Arcade Gaming, High-End Audio and Home Theater, Home Audio
RoHS Compliant	No
DC Resistance (Re) (Ω)	7.4
Program Power (W)	100
Continuous Power (W)	50

Small Signal Parameters

Nominal Impedance (Z) (Ω)	6
DC Resistance (Re) (Ω)	7.4
Voice Coil Inductance (Le) (mH)	2.02
Resonant Frequency (Fs) (Hz) +/- 15%	37
Mechanical Q Factor (Qms)	6.65
Electrical Q Factor (Qes)	0.50
Total Q Factor (Qts)	0.47
Moving Mass (Mms) (gm)	24.2
Suspension Compliance (Cms) (mm/N)	0.75
Mechanical Resistance (Rms) (kg/s)	0.85
Surface Area of Diaphragm (Sd) (cm^2)	219.0
Compliance Equivalent Volume (Vas) (L)	50.91
Motor Force Factor (BL) (T•M)	9.1
Efficiency (η_0) (%)	0.51
Efficiency Bandwidth Product (EBP) (Fs/Qes)	73.7

Material Descriptions

Basket Type	Stamped steel
Terminal Size (mm)	5.2 x 0.5
Voice Coil Diameter (mm)	25.4
Voice Coil Wire Material	Copper
Voice Coil Former Material	Aluminum
Magnet Material	Ferrite
Magnet Weight (g)	340.2
Cone Body Material	Paper composite
Cone Surround Material	Polyether foam
Dust Cap Material	Paper composite

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