MODEL #: 203-WF06-01

8 INCH (203 MM) 8 OHM WOOFER WITH PHASE PLUG

PART #: 93045

When you need a woofer for a professional, high-quality listening experience, choose the 93045. This high sensitivity, “pro-sumer” style woofer uses its low moving mass to create both an excellent transient response and a top-tier level of musical detail. A copper phase plug reduces frequency-phase cancellations and aids internal cooling to reduce power compression. An 8-inch, heavy gauge, stamped steel basket and quick-connect terminals allow for easy, drop-in installation into many enclosures and set-ups.

- Woofer with copper phase plug
- 8" (203 mm) basket diameter
- 75 watts, 8 ohms, 95 dB SPL
- Light weight, paper cone
- High compliance, multi-roll surround cloth
- Quick connect dual terminals for easy connection

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 are used to validate final design.

Oaktron by MISCO is the premium line of high performance, ready-to-ship transducers for a wide variety of applications including high fidelity, musical instrument, automotive and many more.

Pair this woofer with one of our MISCO Amplifiers.



Primary Specifications

Size, Nominal (inch & mm)	8" (203 mm)
Rated Impedance (Ω)	8
Continuous Power (W)	75
Sensitivity (dB SPL) [1]	95
Frequency Range (Hz)	50 - 4, 500
Resonant Frequency (Fs) (Hz) +/- 15%	52

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More Specifications

Application	High-End Audio and Home Theater
RoHS Compliant	Yes
DC Resistance (Re) (Ω)	6.2
Program Power (W)	150
Continuous Power (W)	75

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
DC Resistance (Re) (Ω)	6.2
Voice Coil Inductance (Le) (mH)	0.43
Resonant Frequency (Fs) (Hz) +/- 15%	52
Mechanical Q Factor (Qms)	11.55
Electrical Q Factor (Qes)	0.37
Total Q Factor (Qts)	0.36
Moving Mass (Mms) (gm)	15.6
Suspension Compliance (Cms) (mm/N)	0.60
Mechanical Resistance (Rms) (kg/s)	0.44
Surface Area of Diaphragm (Sd) (cm^2)	219.0
Compliance Equivalent Volume (Vas) (L)	40.69
Motor Force Factor (BL) (T•M)	9.3
Efficiency (η_0) (%)	1.50
Efficiency Bandwidth Product (EBP) (Fs/Qes)	141.8

Material Descriptions

Basket Type	Stamped steel, black powder coat finished
Terminal Size (mm)	5.2 x 0.5 mm
Voice Coil Diameter (mm)	38.66
Voice Coil Wire Material	High temperature copper
Voice Coil Former Material	Kapton
Magnet Material	Ferrite
Magnet Weight (g)	793.8
Cone Body Material	Paper composite
Cone Surround Material	Treated cloth
Dust Cap Material	Copper phase plug
Net Weight (kg)	2.6

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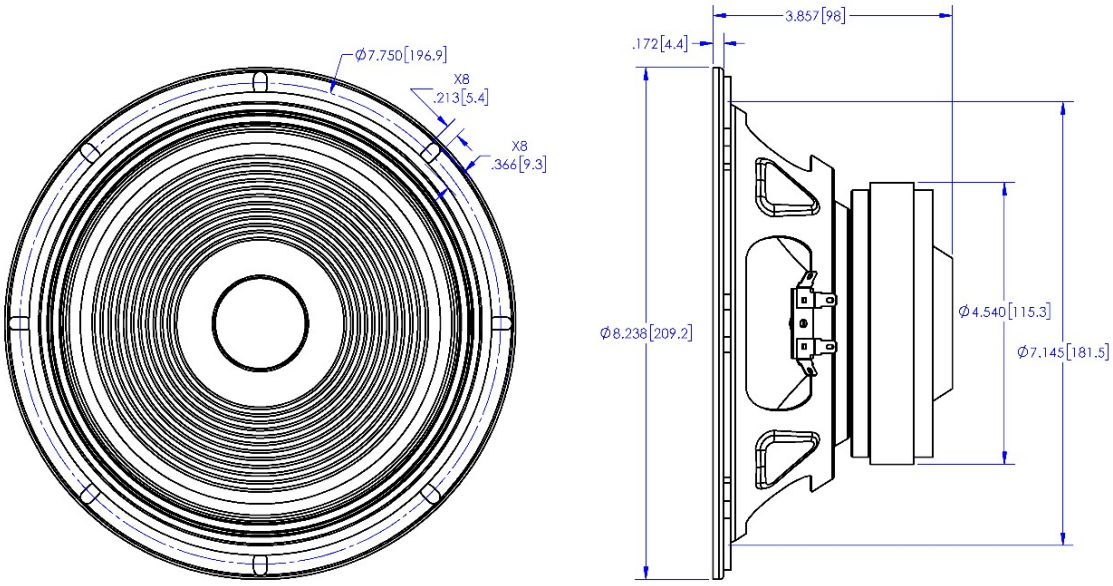
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