MODEL #: 150X229-FR04-01

6 INCH X 9 INCH (150 X 229 MM) 4 OHM, FULL RANGE SPEAKER WITH WHIZZER

PART #: 93092

An oval shaped full range Oaktron driver with a paper whizzer attached for clearer high frequencies—designed for line arrays, car audio systems, and voice communications. This model includes a corrugated surround to lower distortion, a 10 Oz ferrite magnet, a 1" copper voice coil, and a paper composite cone.

- Full range speaker
- 6 x 9" (150 mm x 229 mm) diameter basket
- 15 watts, 4 ohms, 95 dB SPL
- 1" copper voice coil, Kapton former
- 10 Oz ferrite magnet
- Paper cone, corrugated 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 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. From elegantly simple to highly specialized designs for unique and demanding applications, there is an Oaktron loudspeaker perfectly suited for your needs.



Primary Specifications

Size, Nominal (inch & mm)	6" Oval (152 mm)
Rated Impedance (Ω)	4
Continuous Power (W)	15
Sensitivity (dB SPL) [1]	95
Frequency Range (Hz)	40 - 18, 000
Resonant Frequency (Fs) (Hz) +/- 15%	56

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More Specifications

Application	Arcade Gaming, Auto / Motorcycle, Home Audio, Indoor, Musical Instruments, Pro Sound, Transit, Voice Communications
RoHS Compliant	No
DC Resistance (Re) (Ω)	3.6
Program Power (W)	30
Continuous Power (W)	15

Small Signal Parameters

Nominal Impedance (Z) (Ω)	4
DC Resistance (Re) (Ω)	3.6
Voice Coil Inductance (Le) (mH)	0.38
Resonant Frequency (Fs) (Hz) +/- 15%	56
Mechanical Q Factor (Qms)	7.04
Electrical Q Factor (Qes)	0.76
Total Q Factor (Qts)	0.69
Moving Mass (Mms) (gm)	12.51
Suspension Compliance (Cms) (mm/N)	0.65
Mechanical Resistance (Rms) (kg/s)	0.62
Surface Area of Diaphragm (Sd) (cm^2)	223.18
Compliance Equivalent Volume (Vas) (L)	46.12
Maximum Linear Excursion (Xmax) (mm)	4.7
Motor Force Factor (BL) (T•M)	4.5
Efficiency (η_0) (%)	1.03
Efficiency Bandwidth Product (EBP) (Fs/Qes)	81.5

Material Descriptions

Basket Type	Stamped steel with black powder coat
Terminal Size (mm)	5.2 x 0.5 mm
Voice Coil Diameter (mm)	25.8
Voice Coil Wire Material	Copper
Voice Coil Former Material	Kapton
Magnet Material	Ferrite
Magnet Weight (g)	283.50
Cone Body Material	Paper composite
Cone Surround Material	Corrugated treated cloth

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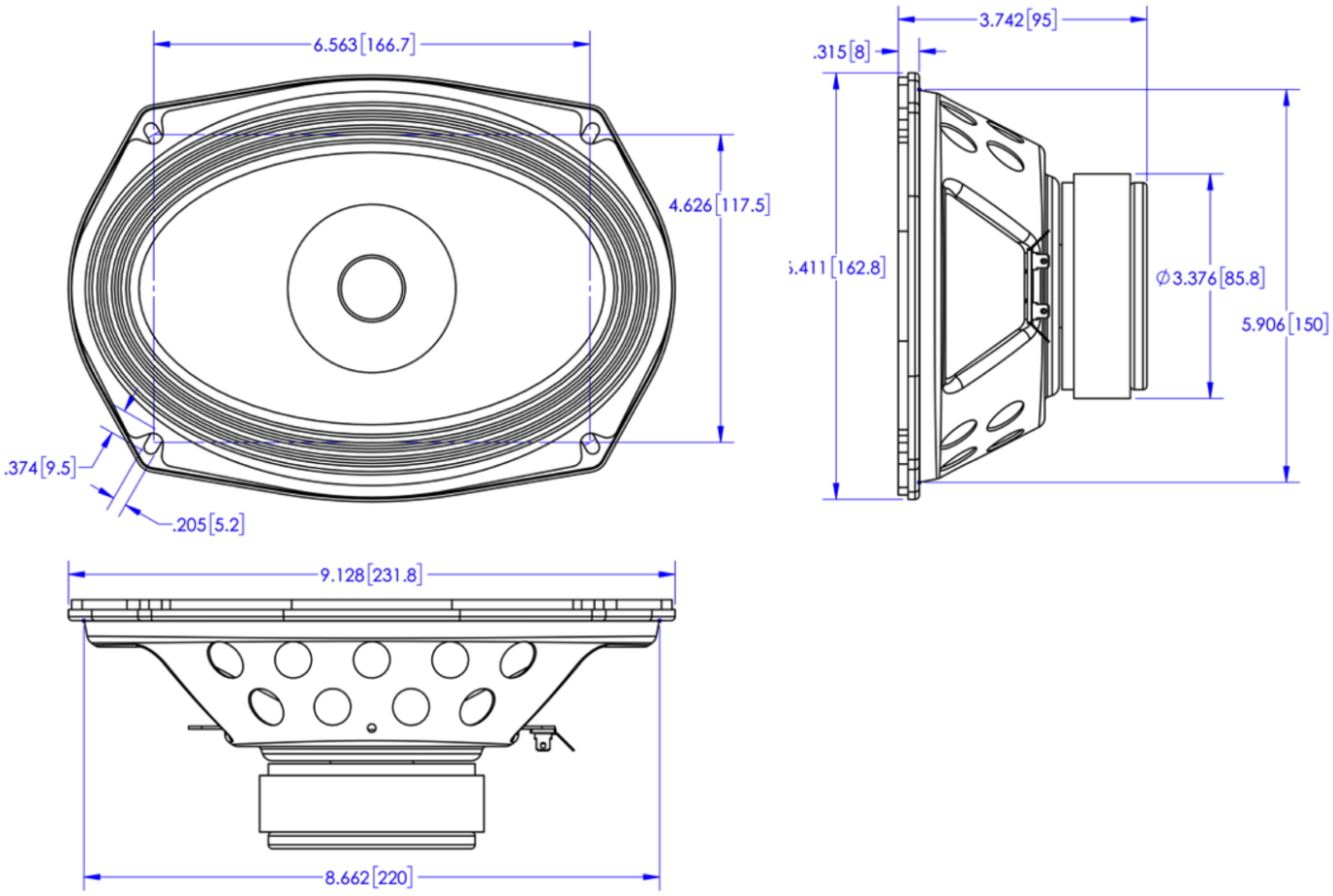
Spider Material	Cotton
Dust Cap Material	Paper whizzer
Net Weight (kg)	1.04

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PART #: 93092



MODEL: 150X229-FR08-01 P/N: 93093

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