MODEL #: LC62W-4-4A

6.5 INCH (165 MM), 4 OHM DUAL VOICE COIL WOOFER

PART #: 93141

A waterproof woofer designed with versatility for outdoor audio applications that need a dual voice coil for 2 ohm or 4 ohm systems. This 6.5" driver includes a 20 Oz ferrite magnet, a polypropylene cone for heightened stifness and high-grade moisture resistance, as well as an ABS plastic gasket for long-lasting protection in harsh outdoor environments.

- Woofer
- 6.5" (165 mm) steel basket diameter
- 60 watts, 4 ohm, 83 dB SPL
- 1.5" copper voice coil, aluminum former
- 20 Oz ferrite magnet
- Polypropylene cone, rubber surround
- ABS plastic gasket

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" (152 mm)
Rated Impedance (Ω)	4 + 4
Continuous Power (W)	60
Sensitivity (dB SPL) [1]	83
Frequency Range (Hz)	34 - 3100
Resonant Frequency (Fs) (Hz) +/- 15%	50

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More Specifications

Application	Auto / Motorcycle, Home Audio, Outdoor
RoHS Compliant	No
DC Resistance (Re) (Ω)	7.3
Program Power (W)	120
Continuous Power (W)	60

Small Signal Parameters

Nominal Impedance (Z) (Ω)	4 + 4
DC Resistance (Re) (Ω)	7.3
Voice Coil Inductance (Le) (mH)	1.55
Resonant Frequency (Fs) (Hz) +/- 15%	50
Mechanical Q Factor (Qms)	6.59
Electrical Q Factor (Qes)	0.43
Total Q Factor (Qts)	0.4
Moving Mass (Mms) (gm)	33.67
Suspension Compliance (Cms) (mm/N)	0.30
Mechanical Resistance (Rms) (kg/s)	1.60
Surface Area of Diaphragm (Sd) (cm^2)	132.73
Compliance Equivalent Volume (Vas) (L)	7.54
Maximum Linear Excursion (Xmax) (mm)	5.44
Coil Winding Height (mm)	18.8
Magnetic Gap Height (mm)	7.92
Motor Force Factor (BL) (T•M)	13.41
Efficiency (η_0) (%)	0.21
Efficiency Bandwidth Product (EBP) (Fs/Qes)	117.37

Material Descriptions

Basket Type	Stamped steel
Terminal Size (mm)	5.2 x 0.5 (Dual lug) [x2]
Voice Coil Diameter (mm)	38.1
Voice Coil Wire Material	Copper
Voice Coil Former Material	Aluminum
Magnet Material	Ferrite
Magnet Weight (g)	567
Cone Body Material	Polypropylene

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Cone Surround Material	Polypropylene, talc filled
Dust Cap Material	Polypropylene
Net Weight (kg)	2.21

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