by **MISCO**

MODEL #: LC62W-4-4A

6.5" (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) | 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 + 4DC Resistance (Re) (Ω)7.3Voice Coil Inductance (Le) (mH)1.55Resonant Frequency (Fs) (Hz)50Mechanical Q Factor (Qms)6.59Electrical Q Factor (Qes)0.43Total Q Factor (Qts)0.4Moving Mass (Mms) (gm)33.67Suspension Compliance (Cms) (mm/N)0.30Mechanical Resistance (Rms) (kg/s)1.60Surface Area of Diaphragm (Sd) (cm²)132.73Compliance Equivalent Volume (Vas) (L)7.54Maximum Linear Excursion (Xmax) (mm)5.44Coil Winding Height (mm)18.8Magnetic Gap Height (mm)7.92Motor Force Factor (BL) (T•M)13.41Efficiency (η₀) (%)0.21Efficiency Bandwidth Product (EBP) (Fs/Qes)117.37 | | |
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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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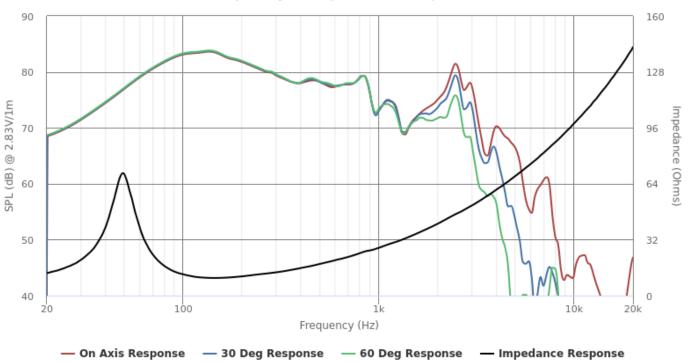
| Cone Surround Material | Polypropylene, talc filled |
|------------------------|----------------------------|
| Dust Cap Material | Polypropylene |
| Net Weight (kg) | 2.21 |





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Frequency & Impedance Response



Highcharts.com