From communication, state-of-the-art design, quality, delivery, and support after the sale, Eminence is your complete manufacturing solution. High quality, custom solutions with on-time delivery.

Speed, quality, service and flexibility are the essential elements for any successful manufacturer operating in a global market. And as many OEM manufacturers look to strategically source their components and finished systems in locations that are situated to maximize efficiencies and reduce costs, the Eminence Dongguan factory has expanded to meet those needs.

Established in 2006, the Eminence Dongguan factory utilizes over 72,000 square feet of manufacturing and warehouse space, and is ISO 9001:2008 certified. This ensures our high standards are at the core of every project, and that we carry forward our unified company mission of providing the best quality, value and service to meet our customers’ needs.

The Eminence roots have always been in custom design and manufacturing, and remains one of the very few loudspeaker manufacturers capable of producing a speaker to your exact specifications. The design and assembly of special models for a whole range of leading music equipment companies is still the bulk of Eminence business. From low frequency subwoofers to lightweight neodymium designs to high frequency devices and components, Eminence Dongguan can make your vision a reality.

The world’s premier brands choose Eminence. From custom speaker designs to complete finished systems, Eminence Dongguan is their choice for quality, value and service.

You’ve come to trust Eminence for quality loudspeakers. You can also trust Eminence to take your complete product from concept to market.
FINISHED SYSTEMS

FROM GUITAR AND BASS AMPLIFIER DESIGN TO PROFESSIONAL AUDIO ENCLOSURES, OUR TURN-KEY SOLUTIONS OFFER A COMPETITIVE ADVANTAGE.

Through our St. Louis Design Center and the Eminence Dongguan Cabinet Shop, we can provide manufacturers with complete design and manufacturing of your guitar and bass amplifiers, and professional audio enclosures. We’ve spent the last 45 years collaborating with the best designers and best brands in the development of some of the music industry’s most well respected products. Our engineers understand the complete product development process and combine to represent a wealth of knowledge in sound reproduction and guitar tone.

Today, most brands sub-contract the design and manufacturing of their products. However, many OEM and ODM suppliers lead to concerns with communication, intellectual property, quality, delivery, and service after the sale. Eminence has expanded to meet those concerns head on through the Eminence Cabinet Shop. Today, Eminence can take your product, be it from your designs or simply from your concept, through the design and documentation process, production, certification, and on to market.

Eminence has produced thousands of confidential manufacturer-specific formulas since 1966. The engineering department places hundreds of man years of experience at your disposal. Whether your requirement is for one of the stock loudspeaker models from this catalog, our Eminence USA product line, or a true custom requirement for a loudspeaker or finished system, we invite you to contact us about it.
EPA-C3012

High power pro audio mid/bass or woofer. Good for small sealed or vented designs.

### Specification

- **Nominal Basket Diameter**: 12”, 305 mm
- **Nominal Impedance**: 8 Ω, 5.8 Ω
- **Power Rating**: 450 W, 11.8 W
- **Recommended Enclosure Volume**: Sealed
- **Resonance**: 50 Hz, 53 Hz
- **Driver Frequency Range**: 20 Hz – 2.6 kHz
- **Usable Frequency Range**: 35 Hz – 2.6 kHz
- **Sensitivity**: 96.7 dB, 98 dB
- **Magnet Weight**: 80 oz., 80 oz.
- **Voice Coil Diameter**: 0.39”, 9.9 mm
- **Copper voice coil, Polyimide former, Ferrite Magnet, Vented core, Cast aluminum basket, Curved paper cone, Sealed cloth cone edge, Treated paper dust cap**

### Theile & Small Parameters

- **Fs**: 25.49 – 62.3 liters
- **Re**: 0.09 cu.ft.
- **Le**: 0.92
- **Qms**: 0.37
- **Qes**: 0.37
- **Qts**: 0.37
- **Vas**: 2.58 cu.ft.
- **Vd**: 1.03 mm
- **Cms**: 6.55
- **BL**: 0.39
- **Mms**: 0.28
- **EBP**: 3.3 mm
- **Xmax**: 525.9 mm
- **Sd**: 0.19 mm/N
- **Xlim**: 2.58 cu.ft., 80 oz.

### Mounting Information

- **Nominal Basket Diameter**: 12”, 305 mm
- **Nominal Impedance**: 8 Ω, 5.8 Ω
- **Power Rating**: 450 W, 11.8 W
- **Recommended Enclosure Volume**: Sealed
- **Resonance**: 50 Hz, 53 Hz
- **Driver Frequency Range**: 20 Hz – 2.6 kHz
- **Usable Frequency Range**: 35 Hz – 2.6 kHz
- **Sensitivity**: 96.7 dB, 98 dB
- **Magnet Weight**: 80 oz., 80 oz.
- **Voice Coil Diameter**: 0.39”, 9.9 mm
- **Copper voice coil, Polyimide former, Ferrite Magnet, Vented core, Cast aluminum basket, Curved paper cone, Sealed cloth cone edge, Treated paper dust cap**

### Frequency Response & Impedance Curve

- **See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.**

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EPA-C3015

High power driver for pro audio and MI applications. Great for two-way PA cabinets.

### Specification

- **Nominal Basket Diameter**: 15”, 381 mm
- **Nominal Impedance**: 8 Ω, 5.8 Ω
- **Power Rating**: 450 W, 11.8 W
- **Recommended Enclosure Volume**: Sealed
- **Resonance**: 35 Hz, 53 Hz
- **Driver Frequency Range**: 35 Hz – 2.6 kHz
- **Usable Frequency Range**: 35 Hz – 2.6 kHz
- **Sensitivity**: 98 dB, 99 dB
- **Magnet Weight**: 80 oz., 80 oz.
- **Voice Coil Diameter**: 0.39”, 9.9 mm
- **Copper voice coil, Polyimide former, Ferrite Magnet, Vented core, Cast aluminum basket, Treated paper cone, Sealed cloth cone edge, Treated paper dust cap**

### Theile & Small Parameters

- **Fs**: 51–113 liters
- **Re**: 0.138 cu.ft.
- **Le**: 0.28
- **Qms**: 0.28
- **Qes**: 0.28
- **Qts**: 0.28
- **Vas**: 10.13 cu.ft.
- **Vd**: 20.71 mm
- **Cms**: 11.8
- **BL**: 0.28
- **Mms**: 0.28
- **EBP**: 3.5 mm
- **Xmax**: 864.6 cm2
- **Sd**: 0.19 mm/N
- **Xlim**: 10.13 cu.ft., 80 oz.

### Mounting Information

- **Nominal Basket Diameter**: 15”, 381 mm
- **Nominal Impedance**: 8 Ω, 5.8 Ω
- **Power Rating**: 450 W, 11.8 W
- **Recommended Enclosure Volume**: Sealed
- **Resonance**: 35 Hz, 53 Hz
- **Driver Frequency Range**: 35 Hz – 2.6 kHz
- **Usable Frequency Range**: 35 Hz – 2.6 kHz
- **Sensitivity**: 98 dB, 99 dB
- **Magnet Weight**: 80 oz., 80 oz.
- **Voice Coil Diameter**: 0.39”, 9.9 mm
- **Copper voice coil, Polyimide former, Ferrite Magnet, Vented core, Cast aluminum basket, Treated paper cone, Sealed cloth cone edge, Treated paper dust cap**

### Frequency Response & Impedance Curve

- **See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.**
EPA-C3015LF

15" High power driver for pro audio and Mi applications. Great for compact subwoofers and for high power two- or three-way systems.

<table>
<thead>
<tr>
<th>SPECIFICATION</th>
<th>THELE &amp; SMALL PARAMETERS</th>
<th>MOUNTING INFORMATION</th>
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<tbody>
<tr>
<td>Nominal Basket Diameter</td>
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MATERIALS OF CONSTRUCTION
Copper voice coil
Polyimide former
Paper cone
Ferrite magnet
vented extended cone
Cast aluminum basket
Treated paper cone
Sealed cloth cone edge
Treated paper dust cap

FREQUENCY RESPONSE & IMPEDANCE CURVE

* See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.

EPA-C3018

18" High power subwoofer for ported Pa enclosures and sealed bass guitar cabinets.

<table>
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<tr>
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MATERIALS OF CONSTRUCTION
Copper voice coil
Polyimide former
Paper cone
Ferrite magnet
vented core, bumped backplate
Cast aluminum basket
Treated paper cone
Sealed cloth cone edge
Treated paper dust cap

FREQUENCY RESPONSE & IMPEDANCE CURVE

* See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.

Visit eminence.com or eminence.com.cn for more information.
### EPA-C3018LF

**High power pro audio subwoofer with long Xmax and large motor to ensure deep distortion-free bass.**

**Nominal Basket Diameter**
- 18", 457 mm

**Nominal Impedance**
- 8 Ω

**Power Rating**
- 600 W<br>**Continuous**
- 1200 W<br>**Max. Power**

**Resonance**
- 32 Hz

**Usable Frequency Range**
- 32 Hz – 1 kHz

**Nominal Impedance**
- 8 Ω

**Power Rating**
- 700 W<br>**Continuous**
- 1400 W<br>**Max. Power**

**Resonance**
- 34 Hz

**Usable Frequency Range**
- 35 Hz – 0.6 kHz

**Voice Coil Diameter**
- 3", 76 mm

**Outline**
- 16.6' ', 421.6 mm

**Shipping Weight**
- 22.51 lbs, 10.21 kg

**Materials of Construction**
- Copper voice coil
- Polyimide former
- Ferrite magnet
- Vented cone, bumped backplate
- Cast aluminum basket
- Treated paper cone
- Sealed cloth cone edge
- Treated paper dust cap

### EPA-CHP3018LF

**High power pro audio subwoofer with long Xmax and large motor to ensure deep distortion-free bass.**

**Nominal Basket Diameter**
- 18", 457 mm

**Nominal Impedance**
- 8 Ω

**Power Rating**
- 600 W<br>**Continuous**
- 1200 W<br>**Max. Power**

**Resonance**
- 32 Hz

**Usable Frequency Range**
- 32 Hz – 1 kHz

**Nominal Impedance**
- 6.9 Ω

**Power Rating**
- 700 W<br>**Continuous**
- 1400 W<br>**Max. Power**

**Resonance**
- 6.4 Ω

**Usable Frequency Range**
- 34 Hz – 0.6 kHz

**Voice Coil Diameter**
- 3", 76 mm

**Outline**
- 16.6' ', 421.6 mm

**Shipping Weight**
- 25.13 lbs, 11.4 kg

**Materials of Construction**
- Copper voice coil
- Polyimide former
- Ferrite magnet
- Vented w/extended core and bumped backplate
- Cast aluminum basket
- Treated paper cone
- Sealed cloth cone edge
- Treated paper dust cap

---

*See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.*
**EPA-CN2510**

Lightweight high power driver for pro audio mid/bass and bass guitar applications.

**SPECIFICATION**
- Nominal Basket Diameter: 10", 254 mm
- Fs: 59 Hz
- Nominal Impedance*: 8 Ω
- Power Rating**: 225 W RMS, 450 W Max
- Nominal Basket Diameter: 10", 254 mm
- Fs: 59 Hz
- Nominal Impedance*: 5.1 Ω
- Power Rating**: 1.06 mH
- Resonance: 49 Hz
- Usable Frequency Range: 49 Hz – 3.5 kHz
- Sensitivity**: 97.5 dB
- Magnet Weight: 7 oz.
- Gap Height: 0.28", 7.1 mm
- Voice Coil Diameter: 2.5", 64 mm

**THELE & SMALL PARAMETERS**
- Aluminum voice coil
- Polyimide former
- Neodymium magnet
- Vented cone
- Cast aluminum basket
- Sealed cloth cone edge
- Treated paper dust cap

**MOUNTING INFORMATION**
- Recommended Enclosure Volume: 1.43 cu.ft., 40.32 liters
- Overall Diameter: 10", 254 mm
- Baffle Hole Diameter: 2.5", 64 mm
- Front Sealing Gasket: 80.26", 203.7 mm
- Rear Sealing Gasket: 0.25 mm/N
- Mounting Holes Diameter: 4.5 mm
- Mounting Holes B.C.D.: 35.9 mm
- Depth: 10.25", 260.4 mm
- Net Weight: 3.5 lbs, 1.59 kg
- Shipping Weight: 5.69 lbs, 2.58 kg

**FREQUENCY RESPONSE & IMPEDANCE CURVE**

* See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.

**EPA-CN2512**

Lightweight pro audio woofer for two-way systems and MI applications.

**SPECIFICATION**
- Nominal Basket Diameter: 12", 305 mm
- Fs: 49 Hz
- Nominal Impedance*: 8 Ω
- Power Rating**: 225 W RMS, 450 W Max
- Nominal Basket Diameter: 12", 305 mm
- Fs: 49 Hz
- Nominal Impedance*: 5.1 Ω
- Power Rating**: 0.55 mH
- Resonance: 59 Hz
- Usable Frequency Range: 49 Hz – 3.5 kHz
- Sensitivity**: 99.5 dB
- Magnet Weight: 7 oz.
- Gap Height: 0.28", 7.1 mm
- Voice Coil Diameter: 2.5", 64 mm

**THELE & SMALL PARAMETERS**
- Copper voice coil
- Polyimide former
- Neodymium magnet
- Vented cone
- Cast aluminum basket
- Sealed cloth cone edge
- Treated paper dust cap

**MOUNTING INFORMATION**
- Recommended Enclosure Volume: 3.3 cu.ft., 93.51 liters
- Overall Diameter: 12", 305 mm
- Baffle Hole Diameter: 4.55 mm
- Front Sealing Gasket: 11.06", 280.9 mm
- Rear Sealing Gasket: 0.28’’, 7.1 mm
- Mounting Holes Diameter: 4.5 mm
- Mounting Holes B.C.D.: 35.9 mm
- Depth: 9.15”, 232.4 mm
- Net Weight: 5.91 lbs, 2.69 kg
- Shipping Weight: 6.53 lbs, 2.96 kg

**FREQUENCY RESPONSE & IMPEDANCE CURVE**

* See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.
**EPA-CN2515**

15” Lightweight pro audio woofer for two-way systems and MI applications.

### Specification

<table>
<thead>
<tr>
<th>Material of Construction</th>
<th>Theile &amp; Small Parameters</th>
<th>Mounting Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Nominal Basket Diameter</strong></td>
<td>15” 381 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Nominal Impedance</strong></td>
<td>8 Ohm</td>
<td></td>
</tr>
<tr>
<td><strong>Power Rating</strong></td>
<td>1.08 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Watts</strong></td>
<td>225 W</td>
<td></td>
</tr>
<tr>
<td><strong>Voices</strong></td>
<td>250 W</td>
<td></td>
</tr>
<tr>
<td><strong>Magnet Weight</strong></td>
<td>7 oz.</td>
<td></td>
</tr>
<tr>
<td><strong>Gap Height</strong></td>
<td>0.28” 7.1 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Voice Coil Diameter</strong></td>
<td>2.5” 64 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Recommended Enclosure Volume</strong></td>
<td>52–88 liters,</td>
<td></td>
</tr>
<tr>
<td><strong>Sealed</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Vented</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Driver Volume Displaced</strong></td>
<td>0.064 cu ft, 1.94 liters</td>
<td></td>
</tr>
<tr>
<td><strong>Magnetic Flux Density</strong></td>
<td>0.24, 105.6 mT</td>
<td></td>
</tr>
<tr>
<td><strong>Driver Length</strong></td>
<td>5.3 Ω</td>
<td></td>
</tr>
<tr>
<td><strong>Qms</strong></td>
<td>0.35</td>
<td></td>
</tr>
<tr>
<td><strong>Qes</strong></td>
<td>0.34</td>
<td></td>
</tr>
<tr>
<td><strong>Qts</strong></td>
<td>10.08</td>
<td></td>
</tr>
<tr>
<td><strong>Vas</strong></td>
<td>0.084 cu ft, 2.38 liters</td>
<td></td>
</tr>
<tr>
<td><strong>Vd</strong></td>
<td>4.81” 122.1 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Cms</strong></td>
<td>66 grams</td>
<td></td>
</tr>
<tr>
<td><strong>BL</strong></td>
<td>0.25 mm/ N</td>
<td></td>
</tr>
<tr>
<td><strong>Mms</strong></td>
<td>7 oz.</td>
<td></td>
</tr>
<tr>
<td><strong>EBP</strong></td>
<td>0.35</td>
<td></td>
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<tr>
<td><strong>Xmax</strong></td>
<td>0.34</td>
<td></td>
</tr>
<tr>
<td><strong>Sd</strong></td>
<td>9.19 cu ft, 260.34 liters</td>
<td></td>
</tr>
<tr>
<td><strong>Xlim</strong></td>
<td>52–88 liters,</td>
<td></td>
</tr>
<tr>
<td><strong>Rear Sealing Gasket</strong></td>
<td>14”, 355.6 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Front Sealing Gasket</strong></td>
<td>7 oz.</td>
<td></td>
</tr>
<tr>
<td><strong>Mounting Holes Diameter</strong></td>
<td>0.28”, 7.1 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Mounting Holes B.C.D</strong></td>
<td>15.72” 399.1 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>302.6 cc</td>
<td></td>
</tr>
<tr>
<td><strong>Net Weight</strong></td>
<td>5.86 lbs, 2.66 kg</td>
<td></td>
</tr>
<tr>
<td><strong>Shipping Weight</strong></td>
<td>15.32” 389.1 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Shipping Weight</strong></td>
<td>5.86 lbs, 2.66 kg</td>
<td></td>
</tr>
<tr>
<td><strong>Shipping Weight</strong></td>
<td>8.5 mm</td>
<td></td>
</tr>
</tbody>
</table>

### Frequency Response & Impedance Curve

---

**Footnotes**

** Multiple units exceed published ratings evaluated under EIA 426A specification while tested in a free-air, non-temperature-controlled environment.
*** The average output across the usable frequency range when applying 1W/1m into the nominal impedance. i.e: 2.83V/8Ω, 4V/16Ω. Eminence response curves are measured under the following conditions: All speakers are tested at 1W/1m using a variety of test set-ups for the appropriate impedance | LMS using 0.25” supplied microphone (software calibrated) mounted 1m from wall/baffle | 2 ft x 2 ft baffle is built into the wall with the speaker mounted flush against a steel ring for minimum diffraction | Carver PM-120 amplifier | 2700 cu ft chamber with fiberglass on all six surfaces (three with custom-made wedges).

Prices, specifications and product cosmetics are subject to change without notice.
EPA-S1506

6” Medium power pro audio and MI driver. Works well as a mid in small sealed boxes, or as a mid/bass driver in vented box.

**SPECIFICATION**

<table>
<thead>
<tr>
<th>Material &amp; Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper voice coil</td>
</tr>
<tr>
<td>Polyimide former</td>
</tr>
<tr>
<td>Ferrite magnet</td>
</tr>
<tr>
<td>Vented cone, bumped backplate</td>
</tr>
<tr>
<td>Pressed steel basket</td>
</tr>
<tr>
<td>Treated paper cone</td>
</tr>
<tr>
<td>Sealed cloth cone edge</td>
</tr>
<tr>
<td>Treated paper dust cap</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FREQUENCY RESPONSE &amp; IMPEDANCE CURVE</th>
</tr>
</thead>
</table>

**THELE & SMALL PARAMETERS**

<table>
<thead>
<tr>
<th>Fs</th>
<th>Qts</th>
</tr>
</thead>
<tbody>
<tr>
<td>111 Hz</td>
<td>0.47</td>
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</table>

**MOUNTING INFORMATION**

<table>
<thead>
<tr>
<th>Recommended Enclosure Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>2–5 liters, 0.1–0.2 cu.ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gap Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.24&quot;, 6.1 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Voice Coil Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.3&quot;, 33 mm</td>
</tr>
</tbody>
</table>

**EPA-S1508**

8” Medium power pro audio and MI driver. Works well as a mid in small sealed boxes, or as a mid/bass driver in vented box. Can also be used for Bass Guitar in medium sized vented cabinets.

**SPECIFICATION**

<table>
<thead>
<tr>
<th>Material &amp; Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper voice coil</td>
</tr>
<tr>
<td>Polyimide former</td>
</tr>
<tr>
<td>Ferrite magnet</td>
</tr>
<tr>
<td>Vented cone, bumped backplate</td>
</tr>
<tr>
<td>Pressed steel basket</td>
</tr>
<tr>
<td>Treated paper cone</td>
</tr>
<tr>
<td>Sealed cloth cone edge</td>
</tr>
<tr>
<td>Treated paper dust cap</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FREQUENCY RESPONSE &amp; IMPEDANCE CURVE</th>
</tr>
</thead>
</table>

**THELE & SMALL PARAMETERS**

<table>
<thead>
<tr>
<th>Fs</th>
<th>Qts</th>
</tr>
</thead>
<tbody>
<tr>
<td>74 Hz</td>
<td>0.7</td>
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</table>

**MOUNTING INFORMATION**

<table>
<thead>
<tr>
<th>Recommended Enclosure Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>6–9 liters, 0.2–0.3 cu.ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gap Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.22&quot;, 5.6 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Voice Coil Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.3&quot;, 33 mm</td>
</tr>
</tbody>
</table>

---

* See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.
EPA-S1510

10” Medium power pro audio and MI driver. Works well as a mid in small sealed boxes, or as a mid/bass driver in vented box. Can also be used for bass guitar in medium sized vented cabinets.

**SPECIFICATION**
- Nominal Basket Diameter: 10”, 254 mm
- Fs: 50 Hz
- Nominal Impedance*: 8 Ω
- Power Rating**: 125 W
- Sensitivity***: 95.3 dB
- Magnet Weight: 20 oz.
- Voice Coil Diameter: 0.24”, 6.1 mm
- Recommended Enclosure Volume: 8–35 liters
- Overall Diameter: 103 mm
- Baffle Hole Diameter: 96.5 mm
- Front Sealing Gasket: 9.5 mm
- Rear Sealing Gasket: 9.5 mm
- Mounting Holes Diameter: 9.5 mm
- Mounting Holes B.C.D.: 23 mm
- Depth: 103.5 mm
- Net Weight: 0.23 lbs
- Shipping Weight: 0.46 lbs
- Frequency Response & Impedance Curve*

**THELE & SMALL PARAMETERS**
- Copper voice coil
- Polyimide former
- Ferrite magnet
- Vented core, bumped backplate
- Pressed steel basket
- Treated paper cone
- Sealed cloth cone edge
- Treated paper dust cap

**MOUNTING INFORMATION**
- Recommended Enclosure Volume: 8–35 liters
- Overall Diameter: 103 mm
- Baffle Hole Diameter: 96.5 mm
- Front Sealing Gasket: 9.5 mm
- Rear Sealing Gasket: 9.5 mm
- Mounting Holes Diameter: 9.5 mm
- Mounting Holes B.C.D.: 23 mm
- Depth: 103.5 mm
- Net Weight: 0.23 lbs
- Shipping Weight: 0.46 lbs

---

EPA-S2510

10” High power pro audio or MI mid/bass driver. Works well as a midrange in a small sealed box or as a mid/bass driver in small vented boxes.

**SPECIFICATION**
- Nominal Basket Diameter: 10”, 254 mm
- Fs: 60 Hz
- Nominal Impedance*: 8 Ω
- Power Rating**: 275 W
- Sensitivity***: 98 dB
- Magnet Weight: 56 oz.
- Voice Coil Diameter: 0.25”, 6.4 mm
- Recommended Enclosure Volume: 5.5–17 liters
- Overall Diameter: 113 mm
- Baffle Hole Diameter: 99.9 mm
- Front Sealing Gasket: 9.69 mm
- Rear Sealing Gasket: 9.69 mm
- Mounting Holes Diameter: 6.4 mm
- Mounting Holes B.C.D.: 8 mm
- Depth: 101.6 mm
- Net Weight: 4.85 lbs
- Shipping Weight: 5.82 lbs

**THELE & SMALL PARAMETERS**
- Aluminum voice coil
- Polyimide former
- Ferrite magnet
- Vented core
- Pressed steel basket
- Treated paper cone
- Sealed cloth cone edge
- Treated paper dust cap

**MOUNTING INFORMATION**
- Recommended Enclosure Volume: 5.5–17 liters
- Overall Diameter: 113 mm
- Baffle Hole Diameter: 99.9 mm
- Front Sealing Gasket: 9.69 mm
- Rear Sealing Gasket: 9.69 mm
- Mounting Holes Diameter: 6.4 mm
- Mounting Holes B.C.D.: 8 mm
- Depth: 101.6 mm
- Net Weight: 4.85 lbs
- Shipping Weight: 5.82 lbs

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* See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.

** See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.
EPA-S1512

Medium power pro audio and MI driver. Works well as a mid in small sealed boxes, or as a mid-bass driver in vented box. Can also be used for Bass Guitar in medium sized vented cabinets.

EPA-S2012

Pro audio or MI woofer for small sealed or vented cabinets. Great for small two-way cabinets.
### EPA-S2512

12” High power pro audio or MI mid/woofer. Works well as a midrange in a small sealed box or as a mid/woofer in medium sized vented boxes.

<table>
<thead>
<tr>
<th>Specification</th>
<th>EPA-S2512 Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Basket Diameter</td>
<td>12”, 305 mm</td>
</tr>
<tr>
<td>Fs</td>
<td>50 Hz</td>
</tr>
<tr>
<td>Nominal Impedance*</td>
<td>8 Ω</td>
</tr>
<tr>
<td>Power Rating**</td>
<td>0.8 Ω</td>
</tr>
<tr>
<td>Watts</td>
<td>300 W</td>
</tr>
<tr>
<td>Music Program</td>
<td>0.62 Ω</td>
</tr>
<tr>
<td>Recommended Enclosure Volume</td>
<td>10–37 liters</td>
</tr>
<tr>
<td>Usable Frequency Range</td>
<td>50Hz – 4kHz</td>
</tr>
<tr>
<td>Sensitivity***</td>
<td>100 dB</td>
</tr>
<tr>
<td>Magnet Weight</td>
<td>54 oz.</td>
</tr>
<tr>
<td>Voice Coil Diameter</td>
<td>0.39”</td>
</tr>
<tr>
<td>Mounting Information</td>
<td>2.5” – 6.4 mm</td>
</tr>
<tr>
<td>Materials of Construction</td>
<td>Aluminum voice coil</td>
</tr>
<tr>
<td>Frequency Response &amp; Impedance Curve*</td>
<td>See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.</td>
</tr>
</tbody>
</table>

### EPA-S1515

15” Medium power pro audio and MI driver. Works well in medium to large sealed cabinets, or in large vented cabinets.

<table>
<thead>
<tr>
<th>Specification</th>
<th>EPA-S1515 Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Basket Diameter</td>
<td>15”, 381 mm</td>
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<tr>
<td>Fs</td>
<td>41 Hz</td>
</tr>
<tr>
<td>Nominal Impedance*</td>
<td>8 Ω</td>
</tr>
<tr>
<td>Power Rating**</td>
<td>0.89 Ω</td>
</tr>
<tr>
<td>Watts</td>
<td>125 W</td>
</tr>
<tr>
<td>Music Program</td>
<td>0.24 Ω</td>
</tr>
<tr>
<td>Recommended Enclosure Volume</td>
<td>30–113 liters</td>
</tr>
<tr>
<td>Usable Frequency Range</td>
<td>41Hz – 4.2kHz</td>
</tr>
<tr>
<td>Sensitivity***</td>
<td>97.7 dB</td>
</tr>
<tr>
<td>Magnet Weight</td>
<td>20 oz.</td>
</tr>
<tr>
<td>Voice Coil Diameter</td>
<td>1.5” – 3.8 mm</td>
</tr>
<tr>
<td>Mounting Information</td>
<td>35 lbs</td>
</tr>
<tr>
<td>Materials of Construction</td>
<td>Copper voice coil</td>
</tr>
<tr>
<td>Frequency Response &amp; Impedance Curve*</td>
<td>See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.</td>
</tr>
</tbody>
</table>

---

* See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.
EPA-S2015

15” Pro audio or MI woofer for small sealed or vented cabinets. Great for small two-way cabinets.

Specifications:
- Nominal Basket Diameter: 15”, 381 mm
- Fs: 34 Hz
- Re: 8 Ω
- Le: 0.77 mmH
- Power Rating: 200 W
- Maximum Program: 400 W
- Nominal Impedance: 8 Ω
- Frequency Range: 60 Hz – 4 kHz
- Usable Frequency Range: 34 Hz – 4 kHz
- Sensitivity: 96.6 dB
- Magnet Weight: 38 oz.
- Voice Coils: 0.50” 1.31 mm
- Voice Coil Diameter: 2.5”, 64 mm
- WOoFer: 14 lbs, 6.4 kg
- Xmax: 0.06 mm
- Nominal Basket Diameter: 15”, 381 mm
- Fs: 34 Hz
- Re: 8 Ω
- Le: 0.77 mmH
- Power Rating: 200 W
- Maximum Program: 400 W
- Nominal Impedance: 8 Ω
- Frequency Range: 60 Hz – 4 kHz
- Usable Frequency Range: 34 Hz – 4 kHz
- Sensitivity: 96.6 dB
- Magnet Weight: 38 oz.
- Voice Coils: 0.50” 1.31 mm
- Voice Coil Diameter: 2.5”, 64 mm
- WOoFer: 14 lbs, 6.4 kg
- Xmax: 0.06 mm

Mounting Information:
- Recommended Enclosure Volume: 296–119 liters, 16–4.2 cu. ft.
- Recommended Enclosure Volume: 296–119 liters, 16–4.2 cu. ft.

Frequency Response & Impedance Curve:
- See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.

Materials of Construction:
- Copper voice coil
- Polyimide former
- Ferrite magnet
- Pressed steel basket
- Reamed paper cone
- Sealed cloth cone edge
- Treated paper dust cap

EPA-S2515

15” High power 15 inch for pro audio and MI applications. Great for small sealed floor wedges or medium sized vented boxes for mains, monitors, or bass guitar.

Specifications:
- Nominal Basket Diameter: 15”, 381 mm
- Fs: 44 Hz
- Re: 8 Ω
- Le: 0.77 mmH
- Power Rating: 300 W
- Maximum Program: 600 W
- Nominal Impedance: 8 Ω
- Frequency Range: 44 Hz – 3.6 kHz
- Usable Frequency Range: 34 Hz – 3 kHz
- Sensitivity: 99.5 dB
- Magnet Weight: 56 oz.
- Voice Coils: 0.99” 2.55 mm
- Voice Coil Diameter: 2.5”, 64 mm
- WOoFer: 11.27 lbs, 5.11 kg
- Xmax: 0.01 mm
- Nominal Basket Diameter: 15”, 381 mm
- Fs: 44 Hz
- Re: 8 Ω
- Le: 0.77 mmH
- Power Rating: 300 W
- Maximum Program: 600 W
- Nominal Impedance: 8 Ω
- Frequency Range: 44 Hz – 3.6 kHz
- Usable Frequency Range: 34 Hz – 3 kHz
- Sensitivity: 99.5 dB
- Magnet Weight: 56 oz.
- Voice Coils: 0.99” 2.55 mm
- Voice Coil Diameter: 2.5”, 64 mm
- WOoFer: 11.27 lbs, 5.11 kg
- Xmax: 0.01 mm

Mounting Information:
- Recommended Enclosure Volume: 0.118 cu.ft., 3.33 liters
- Recommended Enclosure Volume: 0.118 cu.ft., 3.33 liters

Frequency Response & Impedance Curve:
- See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.

Materials of Construction:
- Copper voice coil
- Polyimide former
- Ferrite magnet
- Vented core
- Pressed steel basket
- Treated paper cone
- Sealed cloth cone edge
- Treated paper dust cap

STAMPED FRAME PROFESSIONAL SERIES

Source: Eminence Audio
### Specification

**Nominal Basket Diameter**
- **Nominal Impedance**
- **Power Rating**
- **Usable Frequency Range**
- **Sensitivity**
- **Magnet Weight**
- **Gap Height**
- **Voice Coil Diameter**

### Mounting Information

**Enclosure Type**
- **Driver Volume Displaced**
- **Overall Diameter**
- **Baffle Hole Diameter**
- **Front Sealing Gasket**
- **Rear Sealing Gasket**
- **Mounting Holes Diameter**
- **Mounting Holes B.C.D.**
- **Depth**
- **Net Weight**
- **Shipping Weight**

### Materials of Construction

- **Copper voice coil**
- **Polyimide former**
- **Ferrite magnet**
- **Extended cone**
- **Pressed steel basket**
- **Full molded paper cone**
- **Paper cone edge**
- **Zurette dust cap**

### Frequency Response & Impedance Curve

*See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.*

---

**EGTR-S108**

8” Lightweight 30 watt guitar speaker with a 1 inch voice coil and 9 oz magnet.

**Nominal Basket Diameter**: 8”, 203 mm

- **Fs**: 101 Hz
- **Re**: 6.1 Ω
- **Le**: 0.42 mH
- **Qms**: 0.62
- **Qes**: 1.49
- **Qts**: 1.3
- **Vas**: 0.62 cu.ft., 17.49 liters
- **Vd**: 0.26 mm/N
- **Cms**: 0.018 cu.ft., 0.51 liters
- **BL**: 7.90
- **Mms**: 2.18
- **EBP**: 12.52
- **Xmax**: 0.26 mm
- **Sd**: 9.87

**Sensitivity**: 94.5 dB

**Magnet Weight**: 9 oz.

**Gap Height**: 0.24”, 6.1 mm

**Voice Coil Diameter**: 1”, 25 mm

---

**EGTR-S1010**

10” High sensitivity 10 inch guitar speaker with a 1 inch voice coil and 15 oz magnet.

**Nominal Basket Diameter**: 10”, 254 mm

- **Fs**: 101 Hz
- **Re**: 6.1 Ω
- **Le**: 0.42 mH
- **Qms**: 0.62
- **Qes**: 1.49
- **Qts**: 1.3
- **Vas**: 0.47 cu.ft., 13.31 liters
- **Vd**: 0.07 mm/N
- **Cms**: 0.032 cu.ft., 0.9 liters
- **BL**: 7.90
- **Mms**: 2.18
- **EBP**: 12.52
- **Xmax**: 0.26 mm
- **Sd**: 9.87

**Sensitivity**: 99.1 dB

**Magnet Weight**: 15 oz.

**Gap Height**: 0.24”, 6.1 mm

**Voice Coil Diameter**: 1”, 25 mm

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Visit eminence.com or eminence.com.cn for more information.
**EGTR-S1510**

A beefier 10 inch guitar speaker with a 1.5 inch voice coil and 34 oz magnet.

**Specification**
- Nominal Basket Diameter: 10", 254 mm
- Nominal Impedance*: 8 Ω
- Power Rating**: 50 W (MPSF)
- Driver Basket Diameter: 0.034 cu.ft./0.97 liters
- Resonance: 109 Hz
- Usable Frequency Range: 80 Hz – 25 kHz
- Sensitivity***: 99.7 dB
- Magnet Weight: 34 oz.
- Voice Coil Diameter: 0.32", 8.1 mm
- Voice Coil Length: 1.5", 38 mm
- Enclosure Type: Acceptable
- Material of Construction: Copper voice coil, Polyimide former, Ferrite magnet, Extended core, Pressed steel basket, Full molded paper cone, Paper cone edge, Zurette dust cap

**frequency response & impedance curve**

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>SPL (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 Hz</td>
<td>110</td>
</tr>
<tr>
<td>50 Hz</td>
<td>108</td>
</tr>
<tr>
<td>100 Hz</td>
<td>106</td>
</tr>
<tr>
<td>200 Hz</td>
<td>104</td>
</tr>
<tr>
<td>500 Hz</td>
<td>102</td>
</tr>
<tr>
<td>1 kHz</td>
<td>100</td>
</tr>
<tr>
<td>2 kHz</td>
<td>98</td>
</tr>
<tr>
<td>5 kHz</td>
<td>96</td>
</tr>
<tr>
<td>10 kHz</td>
<td>94</td>
</tr>
<tr>
<td>20 kHz</td>
<td>92</td>
</tr>
</tbody>
</table>

- See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.

**EGTR-S1012**

A 35 watt 12 inch guitar speaker with a 1 inch voice coil weighing in at less than 4 lbs.

**Specification**
- Nominal Basket Diameter: 12", 305 mm
- Nominal Impedance*: 8 Ω
- Power Rating**: 35 W (MPSF)
- Driver Basket Diameter: 0.049 cu.ft./1.4 liters
- Resonance: 104 Hz
- Usable Frequency Range: 80 Hz – 5 kHz
- Sensitivity***: 100.2 dB
- Magnet Weight: 15 oz.
- Voice Coil Diameter: 0.2", 5.0 mm
- Voice Coil Length: 2.12", 53.9 mm
- Enclosure Type: Acceptable
- Material of Construction: Copper voice coil, Polyimide former, Ferrite magnet, Standard core, Pressed steel basket, Full molded paper cone, Paper cone edge, Zurette dust cap

**frequency response & impedance curve**

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>SPL (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 Hz</td>
<td>110</td>
</tr>
<tr>
<td>50 Hz</td>
<td>108</td>
</tr>
<tr>
<td>100 Hz</td>
<td>106</td>
</tr>
<tr>
<td>200 Hz</td>
<td>104</td>
</tr>
<tr>
<td>500 Hz</td>
<td>102</td>
</tr>
<tr>
<td>1 kHz</td>
<td>100</td>
</tr>
<tr>
<td>2 kHz</td>
<td>98</td>
</tr>
<tr>
<td>5 kHz</td>
<td>96</td>
</tr>
<tr>
<td>10 kHz</td>
<td>94</td>
</tr>
<tr>
<td>20 kHz</td>
<td>92</td>
</tr>
</tbody>
</table>

- See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.
EGTR-S1712

12” An efficient 75 watt 12 inch British-voiced guitar speaker.

<table>
<thead>
<tr>
<th>SPECIFICATION</th>
<th>THEILE &amp; SMALL PARAMETERS</th>
<th>MOUNTING INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Basket Diameter</td>
<td>12”, 305 mm</td>
<td>Fs 87 Hz</td>
</tr>
<tr>
<td>Nominal Impedance*</td>
<td>8 or 16 Ω</td>
<td>Re 6.8 Ω</td>
</tr>
<tr>
<td>Power Rating**</td>
<td>75 W</td>
<td>Le 16.06</td>
</tr>
<tr>
<td>Voice Coil Diameter</td>
<td>0.32&quot;, 8.1 mm</td>
<td>W 0.071 cu.ft., 2 liters</td>
</tr>
<tr>
<td>Sensitivity***</td>
<td>100 dB</td>
<td>B 0.63</td>
</tr>
<tr>
<td>Magnet Weight</td>
<td>38 oz.</td>
<td>Cms 0.75</td>
</tr>
<tr>
<td>Voice Coil Diameter</td>
<td>1.75&quot;, 44 mm</td>
<td>Mms 11.72</td>
</tr>
<tr>
<td>Overall Diameter</td>
<td>12&quot;, 305 mm</td>
<td>EBP 1.13</td>
</tr>
<tr>
<td>Baffle Hole Diameter</td>
<td>0.5&quot;, 12.7 mm</td>
<td>Sd 0.8 mm</td>
</tr>
<tr>
<td>Front Sealing Gasket</td>
<td>0.071 cu.ft., 2 liters</td>
<td>550 cm²</td>
</tr>
<tr>
<td>Rear Sealing Gasket</td>
<td>11.72&quot; , 297.7 mm</td>
<td>11.72&quot; , 297.7 mm</td>
</tr>
<tr>
<td>Mounting Holes Diameter</td>
<td>0.5&quot;, 12.7 mm</td>
<td>0.071 cu.ft., 2 liters</td>
</tr>
<tr>
<td>Mounting Holes B.C.D.</td>
<td>0.5&quot;, 12.7 mm</td>
<td>550 cm²</td>
</tr>
<tr>
<td>Depth</td>
<td>5&quot;, 12.7 mm</td>
<td>5&quot;, 12.7 mm</td>
</tr>
<tr>
<td>Net Weight</td>
<td>7.7 lbs, 3.5 kg</td>
<td>7.5 lbs, 3.4 kg</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>9.19 lbs, 4.17 kg</td>
<td>8.91 lbs, 4.04 kg</td>
</tr>
</tbody>
</table>

MATERIALS OF CONSTRUCTION
- Copper voice coil
- Nomex former
- Ferrite magnet
- Standard core
- Pressed steel baffle
- Full molded paper cone
- Paper cone edge
- Zurette dust cap

FREQUENCY RESPONSE & IMPEDANCE CURVE

EGTR-SA1712

12” A 100 watt 12 inch American-voiced guitar speaker with high sensitivity.

<table>
<thead>
<tr>
<th>SPECIFICATION</th>
<th>THEILE &amp; SMALL PARAMETERS</th>
<th>MOUNTING INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Basket Diameter</td>
<td>12”, 305 mm</td>
<td>Fs 98 Hz</td>
</tr>
<tr>
<td>Nominal Impedance*</td>
<td>8 or 16 Ω</td>
<td>Re 5.8 Ω</td>
</tr>
<tr>
<td>Power Rating**</td>
<td>100 W</td>
<td>Le 0.89</td>
</tr>
<tr>
<td>Voice Coil Diameter</td>
<td>0.32&quot;, 8.1 mm</td>
<td>W 0.071 cu.ft., 2 liters</td>
</tr>
<tr>
<td>Sensitivity***</td>
<td>100 dB</td>
<td>B 0.89</td>
</tr>
<tr>
<td>Magnet Weight</td>
<td>34 oz.</td>
<td>Cms 0.75</td>
</tr>
<tr>
<td>Voice Coil Diameter</td>
<td>1.75&quot;, 44 mm</td>
<td>Mms 11.72</td>
</tr>
<tr>
<td>Overall Diameter</td>
<td>12&quot;, 305 mm</td>
<td>EBP 0.89</td>
</tr>
<tr>
<td>Baffle Hole Diameter</td>
<td>0.5&quot;, 12.7 mm</td>
<td>Sd 0.8 mm</td>
</tr>
<tr>
<td>Front Sealing Gasket</td>
<td>0.071 cu.ft., 2 liters</td>
<td>550 cm²</td>
</tr>
<tr>
<td>Rear Sealing Gasket</td>
<td>11.72&quot; , 297.7 mm</td>
<td>11.72&quot; , 297.7 mm</td>
</tr>
<tr>
<td>Mounting Holes Diameter</td>
<td>0.5&quot;, 12.7 mm</td>
<td>0.071 cu.ft., 2 liters</td>
</tr>
<tr>
<td>Mounting Holes B.C.D.</td>
<td>0.5&quot;, 12.7 mm</td>
<td>550 cm²</td>
</tr>
<tr>
<td>Depth</td>
<td>5&quot;, 12.7 mm</td>
<td>5&quot;, 12.7 mm</td>
</tr>
<tr>
<td>Net Weight</td>
<td>7.5 lbs, 3.4 kg</td>
<td>7.5 lbs, 3.4 kg</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>8.91 lbs, 4.04 kg</td>
<td>8.91 lbs, 4.04 kg</td>
</tr>
</tbody>
</table>

MATERIALS OF CONSTRUCTION
- Copper voice coil
- Polyimide former
- Ferrite magnet
- Standard core
- Pressed steel baffle
- Full molded paper cone
- Paper cone edge
- Zurette dust cap

FREQUENCY RESPONSE & IMPEDANCE CURVE

* See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.
**EBG-S2010**

10” Bass guitar driver for sealed or vented cabinets. Classic American bass guitar tone.

**Specification**
- Nominal Basket Diameter: 10”, 254 mm
- Fs: 50 Hz
- Nominal Impedance*: 8 or 4 Ω
- Power Rating**: 200 W
- Recommended Enclosure Volume: 14-28 liters
- Sealed

**Theile & Small Parameters**
- Fs: 50 Hz
- Re: 11.3 Ω
- Le: 1.36 mH
- Qms: 0.38
- Qes: 0.4
- Qts: 0.38
- Vas: 2.15 cu.ft., 60.75 liters
- Vd: 138.6 cc
- Cms: 0.42 mm/N
- BL: 13.6 T-M
- Mms: 24 grams
- EBP: 3.9 mm
- Xmax: 4.12” , 104.7 mm
- Sd: 355.4 cm²
- Xlim: 6.95 lbs , 3.15 kg
- Net Weight: 7.72 lbs , 3.5 kg
- Shipping Weight: 8.69 lbs , 3.94 kg

**Mounting Information**
- Recommended Enclosure Volume: 2.24 mm
- Mounting Hole Diameter: 0.23” , 5.8 mm
- Mounting Holes 6 C.C.
- Front Sealing Gasket: Yes
- Rear Sealing Gasket: Yes
- Mounting Holes B.C.D.: 0.23”, 5.8 mm
- Overall Diameter: 10.11”, 256.8 mm
- Baffle Hole Diameter: 9.13”, 231.9 mm
- Front Sealing Gasket: Yes
- Rear Sealing Gasket: Yes
- Net Weight: 6.95 lbs , 3.15 kg
- Shipping Weight: 8.07 lbs , 3.66 kg

**Materials of Construction**
- Copper voice coil
- Polyimide former
- Ferrite magnet
- Vented extended core and bumped backplate
- Pressed steel basket
- Treated paper cone
- Sealed cloth cone edge
- Zurette dust cap

**Frequency Response & Impedance Curve**

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**EBG-S2010HO**

10” High-output extended range bass guitar or PA driver.

**Specification**
- Nominal Basket Diameter: 10”, 254 mm
- Fs: 50 Hz
- Nominal Impedance*: 16 Ω
- Power Rating**: 400 W
- Recommended Enclosure Volume: 14-28 liters
- Sealed

**Theile & Small Parameters**
- Fs: 50 Hz
- Re: 11.3 Ω
- Le: 1.36 mH
- Qms: 0.38
- Qes: 0.4
- Qts: 0.38
- Vas: 2.15 cu.ft., 60.75 liters
- Vd: 138.6 cc
- Cms: 0.42 mm/N
- BL: 13.6 T-M
- Mms: 24 grams
- EBP: 3.9 mm
- Xmax: 4.12” , 104.7 mm
- Sd: 355.4 cm²
- Xlim: 6.95 lbs , 3.15 kg
- Net Weight: 7.72 lbs , 3.5 kg
- Shipping Weight: 8.69 lbs , 3.94 kg

**Mounting Information**
- Recommended Enclosure Volume: 2.24 mm
- Mounting Hole Diameter: 0.23” , 5.8 mm
- Mounting Holes 6 C.C.
- Front Sealing Gasket: Yes
- Rear Sealing Gasket: Yes
- Mounting Holes B.C.D.: 0.23”, 5.8 mm
- Overall Diameter: 10.11”, 256.8 mm
- Baffle Hole Diameter: 9.13”, 231.9 mm
- Front Sealing Gasket: Yes
- Rear Sealing Gasket: Yes
- Net Weight: 6.95 lbs , 3.15 kg
- Shipping Weight: 8.07 lbs , 3.66 kg

**Materials of Construction**
- Copper voice coil
- Polyimide former
- Ferrite magnet
- Extended core
- Pressed steel basket
- Treated paper cone
- Sealed cloth cone edge
- Zurette dust cap

**Frequency Response & Impedance Curve**

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* See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.

**Nominal Basket Diameter**

**Nominal Impedance**

**Power Rating**

**Usable Frequency Range**

**Sensitivity**

**Magnet Weight**

**Gap Height**

**Voice Coil Diameter**

**FS**

**Le**

**Qms**

**Qes**

**Qts**

**Vas**

**Vd**

**Cms**

**BL**

**Mms**

**EBP**

**Xmax**

**Sd**

**Xlim**

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Visit eminence.com or eminence.com.cn for more information.
**EBG-S2015**

15” Bass guitar driver producing smooth and tight bass in sealed cabinets, or thick, rich, low bass in vented cabinets.

**EBG-S2515**

15” 15 inch pro audio driver for bass guitar or PA mid/bass. Extended top end performance.

---

### Specification

- **Nominal Basket Diameter:** 15” , 381 mm
- **Ft**
- **Fs**
- **Re**
- **Le**
- **Qts**
- **Qms**
- **Qes**
- **Vas**
- **Vd**
- **Cms**
- **BL**
- **Mms**
- **EBP**
- **Xmax**
- **Sd**
- **Xlim**

---

### Thele & Small Parameters

- **Copper voice coil**
- **Polyimide former**
- **Ferrite magnet**
- **Vented extended core and bumped backplate**
- **Pressed steel basket**
- **Treated paper cone**
- **Sealed cloth cone edge**
- **Treated paper dust cap**

### Mounting Information

- **Recommended Enclosure Volume**
- **Sealed**
- **Vented**

### Materials of Construction

- **Copper voice coil**
- **Polyimide former**
- **Ferrite magnet**
- **Vented core**
- **Pressed steel basket**
- **Treated paper cone**
- **Sealed cloth cone edge**
- **Treated paper dust cap**

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### Frequency Response & Impedance Curve

- **IBOPL**
- **Ohm**

---

* See footnotes on page 15 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.
FS
This parameter is the free-air resonant frequency of a speaker. Simply stated, it is the point at which the weight of the moving parts of the speaker becomes balanced with the force of the speaker suspension when in motion. It is important to know this information so that you can prevent your enclosure from ringing like a bell when it reaches its resonant frequency. As a general rule of thumb, a lower Fs is associated with a woofer that would be better for low-frequency reproduction than a woofer with a higher Fs. However, other parameters affect the ultimate performance of a woofer as well and may make a speaker with a higher Fs a better candidate for your application.

Thiele-Small Parameters
In the early seventies, several technical papers were presented to the AES (Audio Engineering Society) that resulted in the development of what we know today as “Thiele-Small Parameters”. These papers were authored by A.R. Thiele, and Richard H. Small.

These parameters are based on a mathematical relationship between a speaker and a particular enclosure. Eminec recommends that you develop a basic understanding of the meaning of each parameter so that you can make informed decisions when choosing your loudspeakers.

LE
This parameter is the voice coil inductance of the speaker measured in millihenries. The industry standard is to measure inductance at 1,000 Hz. This is a difficult parameter to specify, but basically as frequencies get higher there will be a rise in impedance above the DC resistance rating. This can be attributed to the fact that the voice coil is acting as an inductor. Consequently, the impedance of a speaker is not a fixed resistance, but can be represented as a curve that changes as the input frequency changes. Maximum impedance or Zmax occurs at Fs.

Q Parameters
Qts, Qts, and Qts are all measurements related to the control of a speaker’s suspension when it reaches the resonant frequency.

Qms
Is a measurement of the control coming from the speaker’s mechanical suspension system, the surround and spider.

Qes
Is a measurement of the control from the speaker’s electrical suspension system; the voice coil and magnet.

Qts
Is called the “Total Q” of the driver and is derived from an equation where Qms is multiplied by Qes and the result is divided by the sum of the two. The result is Qts. As a general guideline, woofers fall into three categories relative to their Qts:

1. Qts of 4 or below indicates a woofer well suited for a vented enclosure.
2. Qts between 4 and 7 indicates a woofer well suited for a sealed enclosure.
3. Qts of 7 or above indicates a woofer well suited for free-air or infinite baffle applications.

These suggestions are simply rules of thumb and do not always apply. For instance, the Eminence Kilomax 18 has a Qts of 16 that would indicate a sealed enclosure, but we know that the Kilomax 18 is one of the more highly regarded woofers in the Professional Audio industry for a ported enclosure.

Vas/CMS
Vas is to be confused with the recommended enclosure size. Vas represents the volume of an infinite baffle at the point where the compliance of the cone suspension is equal to the resonant frequency. It is one of the trickiest parameters to measure. Note: this measurement is not recommended for use in the industry, but can lend different results.

Eminence recommends not using anything below a 1m³ vent, or above a 2m³ vent, for the Eminence drivers. Eminence recommends an 80cm³ vent for the Eminence drivers.

EMINENCE POWER RATING
This specification is very important to transducer selection. Obviously, you need to choose a loudspeaker that is capable of handling the input power you are going to provide. By the same token, you can destroy a loudspeaker by using too little power. Generally speaking, the number one contributor to a transducer’s ability to handle power is its ability to release thermal energy. These loudspeaker characteristics are affected by several design choices, but most notably voice coil size, size magnet, venting, and the adhesives used in voice coil construction.

Larger coil and magnet sizes provide more area for heat to dissipate, while venting allows thermal energy to escape and adds affordability. However, equally important is the ability of the voice coil to handle thermal energy. Eminence is well known for the use of proprietary adhesives and voice coil components that maximize the coil’s ability to handle extreme temperatures.

Mechanical factors must also be considered when determining power handling. A transducer might be able to handle 1,000 watts from a thermal perspective, but would fail long before that level was reached from a mechanical issue such as the coil hitting the back plate, the coil coming out of the gap, the cone bucking from too much outward movement, or the spider bottoming on the top plate. Be sure to consider the suggested usable frequency range and the Xmax parameter in conjunction with the power rating and enclosure design to avoid such failure.

The Eminence power rating is derived using an 1m² microphone one meter from the baffle. Using 0.25” supplied microphone (software calibrated) mounted 1m from wall/baffle. [2 ft. X 2 ft. baffle is typical enclosure size, magnet size, venting, and the adhesives used in voice coil construction.]

In addition to Thiele-Small Parameters, loudspeaker manufacturers typically publish additional measurements and performance data. Again, it is wise to become familiar with this data and what it actually means to you.

Usable Frequency Range
This data is relatively self-explanatory. It is the frequency range for which Eminence feels the device will prove useful. Each manufacturer uses different techniques for determining “Usable Frequency Range”. Most methods are recognized as acceptable in the industry, but can lend different results.

Eminence response curves are measured as follows: All speakers are tested at 100°F using a variety of test sets-up for the appropriate impedance. (25Ω, 8Ω, 4Ω, using 25” supplied microphone (software calibrated) mounted 1m from wall/baffle) [2 ft. X 2 ft. baffle is built into the wall with the speaker mounted flush against a steel ring for minimum diffraction.] [make P1000 Trans-Nova amplifier] [2,702 cu. ft. anechoic chamber with fiberglass on all six surfaces (three with custom-made wedges)]

Usable Frequency Range

Power Rating
This specification is very important to transducer selection. Obviously, you need to choose a loudspeaker that is capable of handling the input power you are going to provide. By the same token, you can destroy a loudspeaker by using too little power. Generally speaking, the number one contributor to a transducer’s ability to handle power is its ability to release thermal energy. These loudspeaker characteristics are affected by several design choices, but most notably voice coil size, size magnet, venting, and the adhesives used in voice coil construction.

Larger coil and magnet sizes provide more area for heat to dissipate, while venting allows thermal energy to escape and adds affordability. However, equally important is the ability of the voice coil to handle thermal energy. Eminence is well known for the use of proprietary adhesives and voice coil components that maximize the coil’s ability to handle extreme temperatures.

Mechanical factors must also be considered when determining power handling. A transducer might be able to handle 1,000 watts from a thermal perspective, but would fail long before that level was reached from a mechanical issue such as the coil hitting the back plate, the coil coming out of the gap, the cone bucking from too much outward movement, or the spider bottoming on the top plate. Be sure to consider the suggested usable frequency range and the Xmax parameter in conjunction with the power rating and enclosure design to avoid such failure.

The Eminence power rating is derived using an 1m² microphone one meter from the baffle. Using 0.25” supplied microphone (software calibrated) mounted 1m from wall/baffle. [2 ft. X 2 ft. baffle is typical enclosure size, magnet size, venting, and the adhesives used in voice coil construction.].
From design and manufacturing to the stage or studio. Once you’ve experienced the performance of Eminence, you’ll never accept anything else.