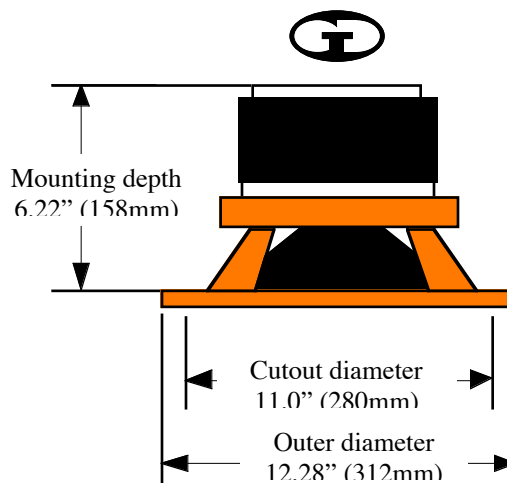


## Specifications

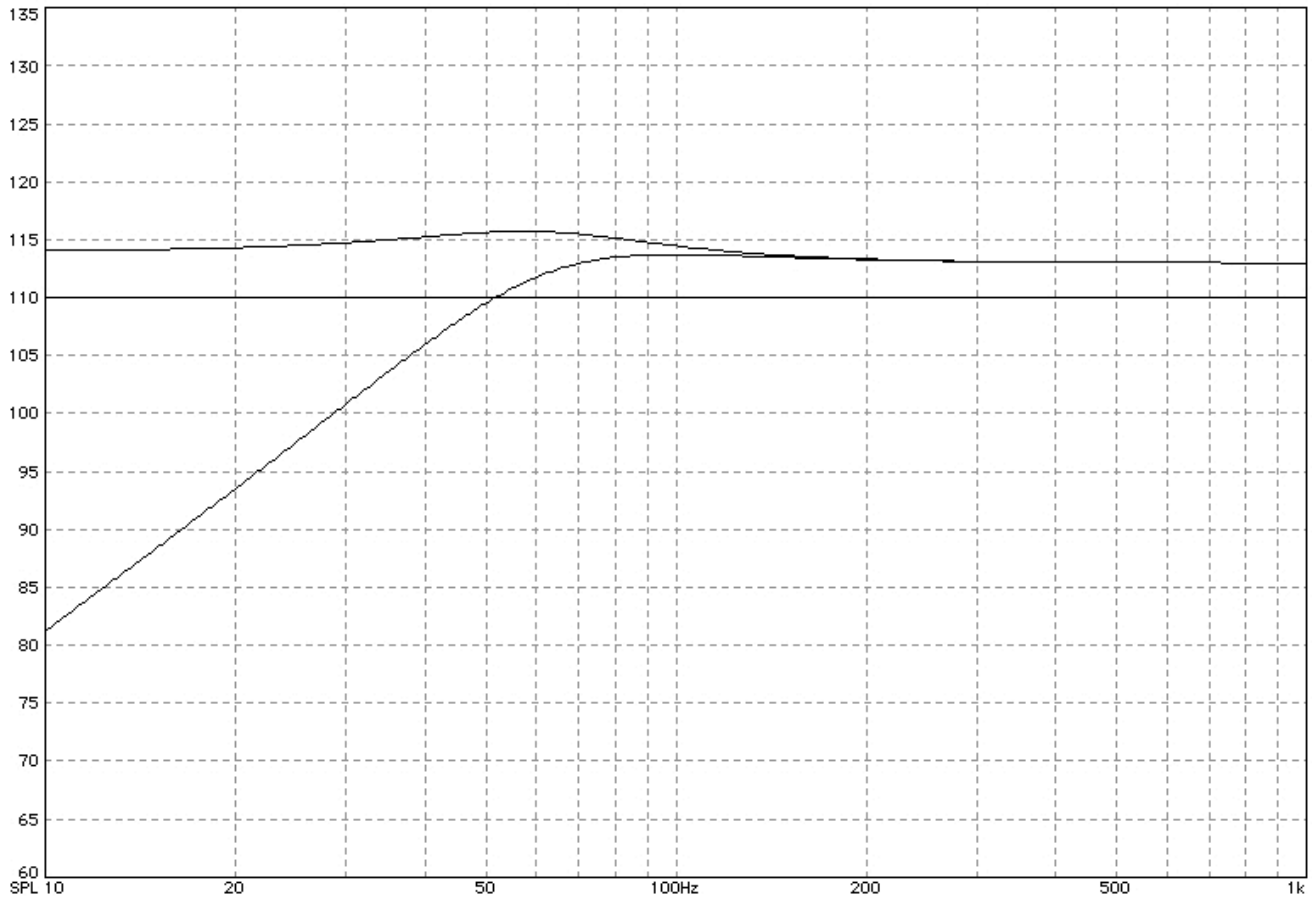
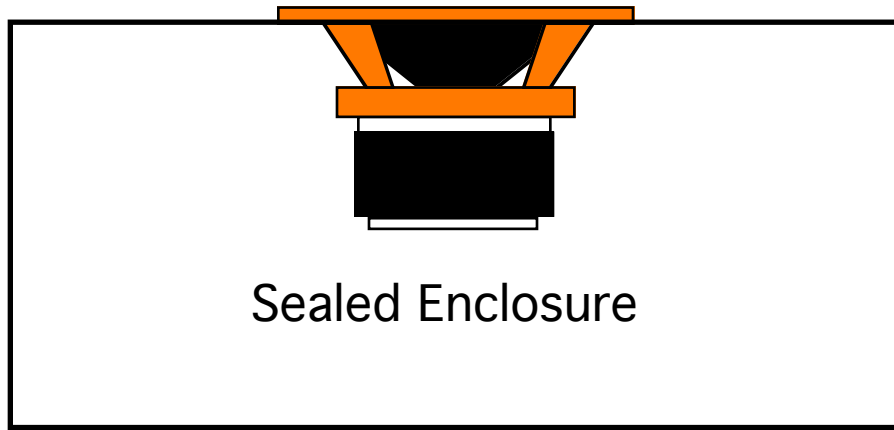
<b>Nom. Diameter:</b>	<b>12" (300mm)</b>
<b>Cone:</b>	<b>Kevlar-Paper Honeycomb</b>
<b>Surround:</b>	<b>NB Rubber</b>
<b>Sensitivity:</b>	<b>86.1dB</b>
<b>Power Handling:</b>	<b>500 WRMS (1000W Pk)</b>
<b>Frequency Response:</b>	<b>10 ~ 400 Hz</b>
<b>Nominal Impedance:</b>	<b>4 Ohms</b>
<b>Voice Coil Diameter:</b>	<b>2.6" (66mm)</b>
<b>Xmax:</b>	<b>20mm</b>
<b>Magnet Weight:</b>	<b>134 Oz stacked</b>



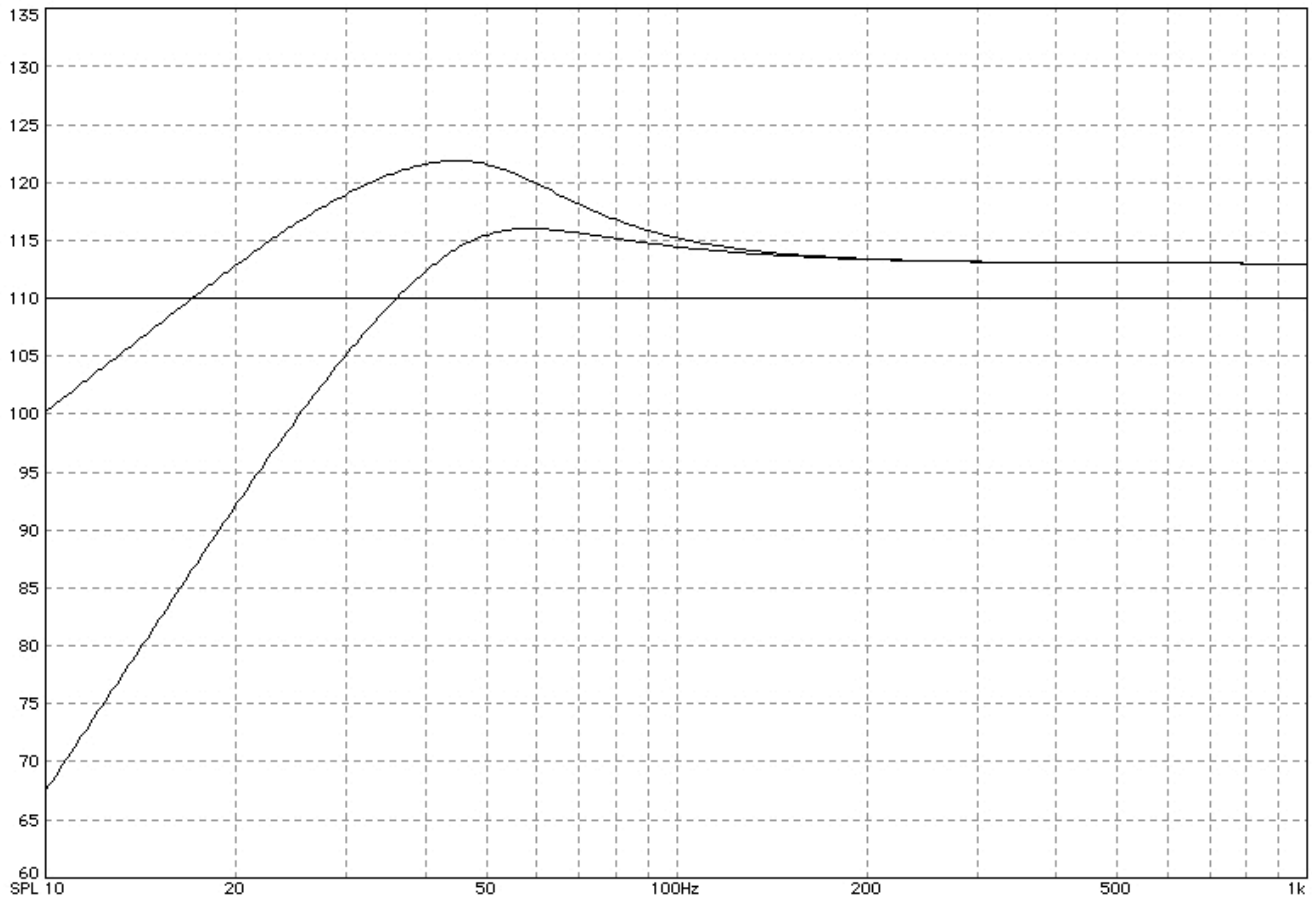
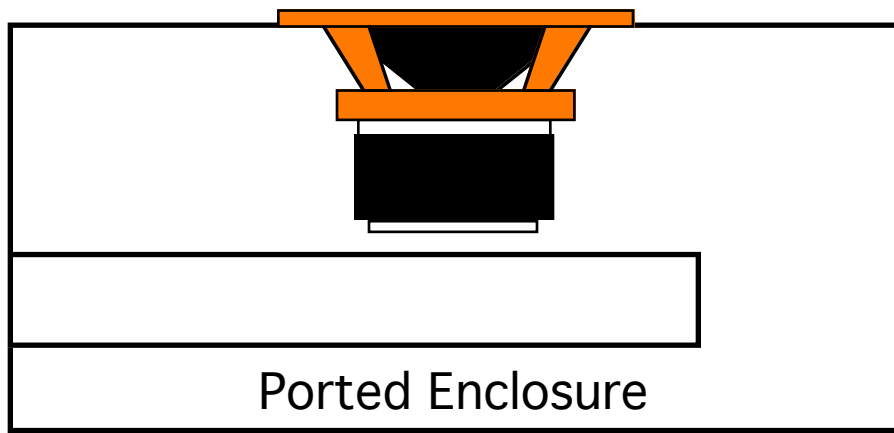
## Thiele-Small Parameters

<b>Free Air Resonance:</b>	<b>35.2 Hz</b>
<b>Voice Coil DC Resistance:</b>	<b>3.68 Ohms</b>
<b>Voice Coil Inductance @ 1 kHz:</b>	<b>3.54 mH</b>
<b>Mechanical Q (<math>Q_{ms}</math>):</b>	<b>6.06</b>
<b>Electrical Q (<math>Q_{es}</math>):</b>	<b>0.56</b>
<b>Total Q (<math>Q_{ts}</math>):</b>	<b>0.513</b>
<b>Compliance Volume (<math>V_{as}</math>):</b>	<b>30.36 l; 1.07 ft<sup>3</sup></b>
<b>Moving mass, Diaphragm:</b>	<b>206 Gr</b>
<b>Motor Force Factor:</b>	<b>17.54 Tm</b>

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**Sealed Box Responses from top to bottom at 10Hz:**  
**Top: Response corrected for typical cabin (medium sedan)**  
**Bottom: Response in same volume taken without correction (2PI)**  
**Response selected for medium sedan**  
**Box volume = 0.50 cubic feet - add 0.12 cubic foot for driver inside**  
**(Total Vol.=0.62)**



**Ported Box Responses from top to bottom at 10Hz:**  
**Top: Response corrected for typical cabin (medium sedan)**  
**Bottom: Response in same volume taken without correction (2PI)**  
**Box Volume = 1.0 cubic foot add 0.12 cubic foot for driver inside**  
**Port = 4"IDX18.3" Long internally mounted add 0.178 cubic feet**  
**(SCH 40 ABS pipe) (Total V=1.3 cft.) Fb=40Hz**