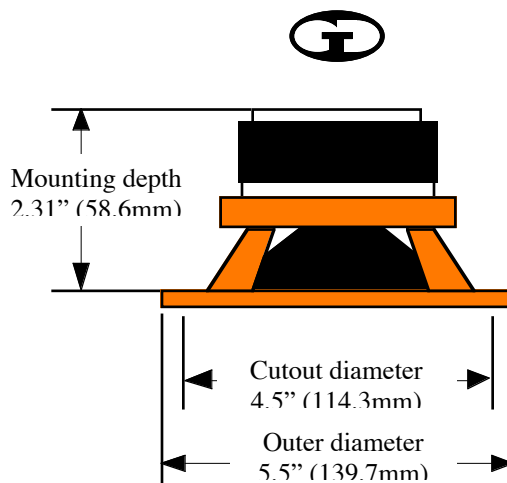


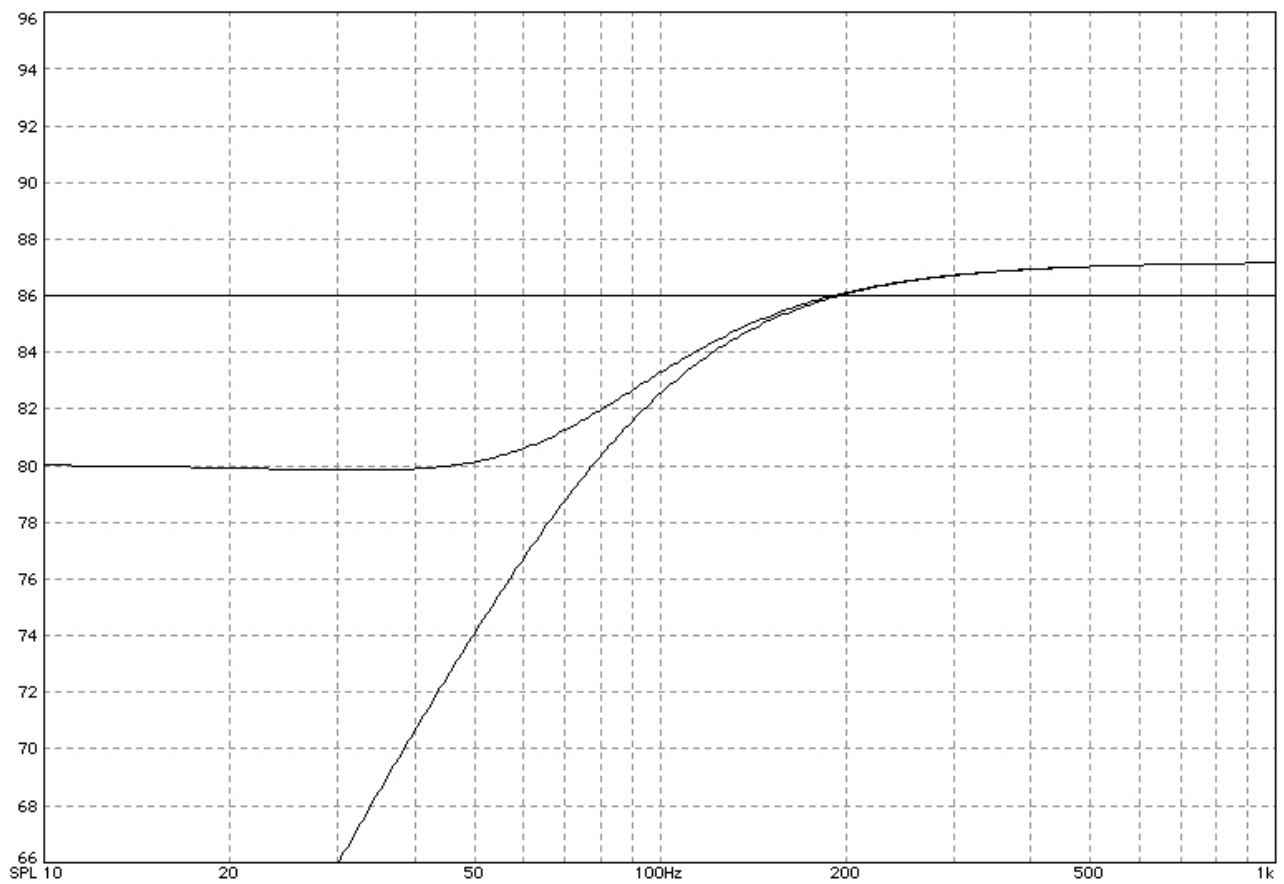
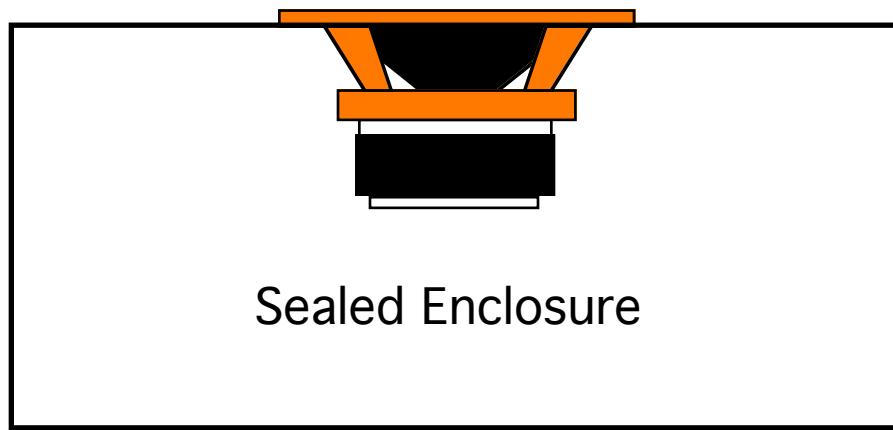
**Specifications**

<b>Diameter:</b>	<b>5.25" (130mm)</b>
<b>Sensitivity:</b>	<b>87.2 dB</b>
<b>Power Handling:</b>	<b>50 WRMS (100W Pk)</b>
<b>Frequency Response:</b>	<b>50 ~ 8000 Hz</b>
<b>Nominal Impedance:</b>	<b>4 Ohms</b>
<b>Voice Coil Diameter:</b>	<b>1.0" (25mm)</b>
<b>Peak Xmax:</b>	<b>4mm</b>
<b>Magnet Weight:</b>	<b>16 Oz</b>
<b>Surround</b>	<b>Rubber</b>
<b>Frame</b>	<b>Cast</b>
<b>Cone</b>	<b>Fiberglass</b>

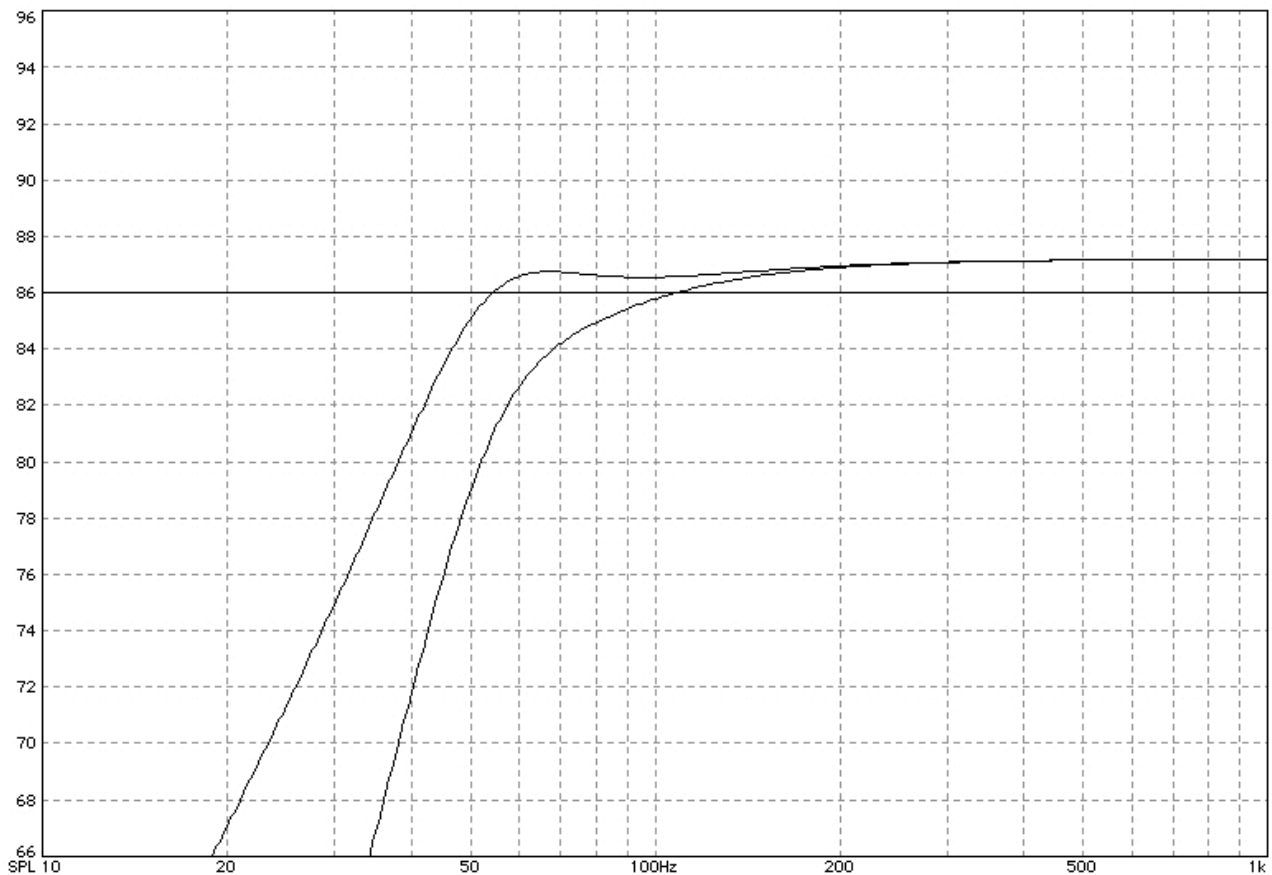
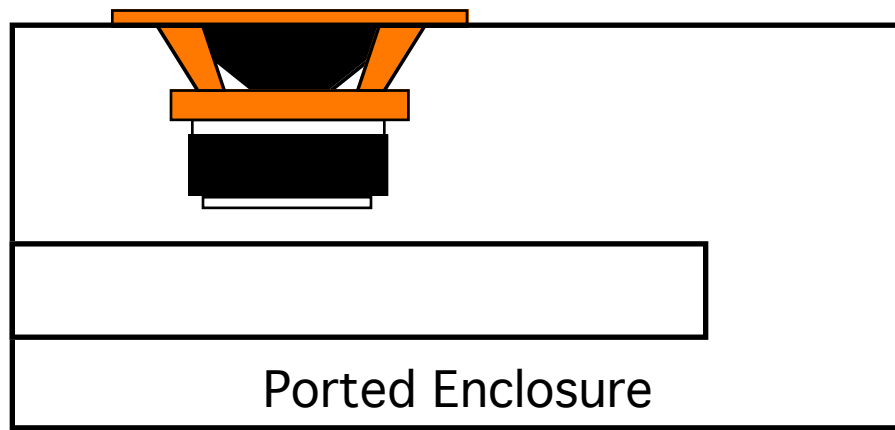


**Thiele-Small Parameters**

<b>Free Air Resonance:</b>	<b>73 Hz</b>
<b>Voice Coil DC Resistance:</b>	<b>3.1 ohms</b>
<b>Voice Coil Inductance @ 1 kHz:</b>	<b>0.18 mH</b>
<b>Mechanical Q (<math>Q_{ms}</math>):</b>	<b>2.55</b>
<b>Electrical Q (<math>Q_{es}</math>):</b>	<b>0.513</b>
<b>Total Q (<math>Q_{ts}</math>):</b>	<b>0.427</b>
<b>Compliance Volume (<math>V_{as}</math>):</b>	<b>4.41L; 0.155 ft<sup>3</sup></b>
<b>Moving mass, Diaphragm:</b>	<b>8.45 Gr</b>
<b>Motor Force Factor:</b>	<b>5.07 Tm</b>



**Sealed Box Response optimal volume for sedan as below.  
 0.18 cubic feet excluding driver displacement  
 Upper response (20Hz) corrected for medium sedan – 66Hz.**



**Ported Box for ideal installed response:  
 0.18 cubic feet excluding driver and port tube displacement  
 Approx .05 cubic feet should be allowed typically for both.  
 60Hz port frequency, 6.3" long by 1.5" inner diameter port tube  
 Tube flared at both ends is recommended.  
 Upper response (50Hz) corrected for medium sedan – 66Hz.**

# SPL vs Freq

