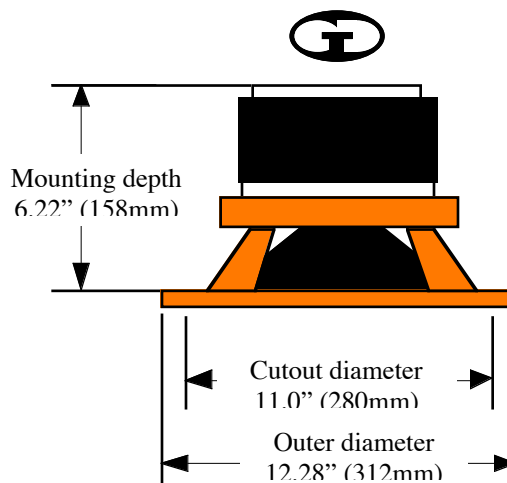


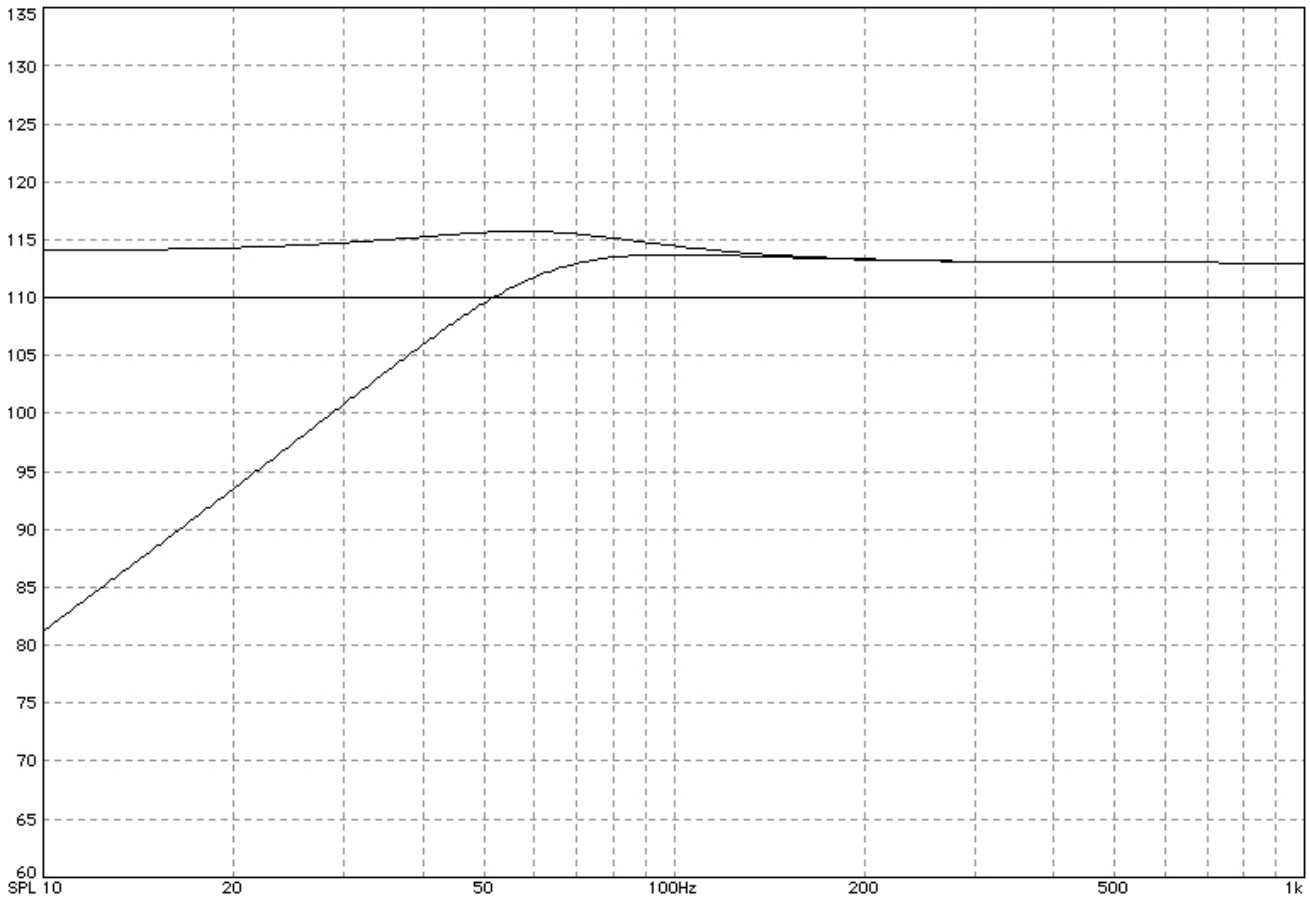
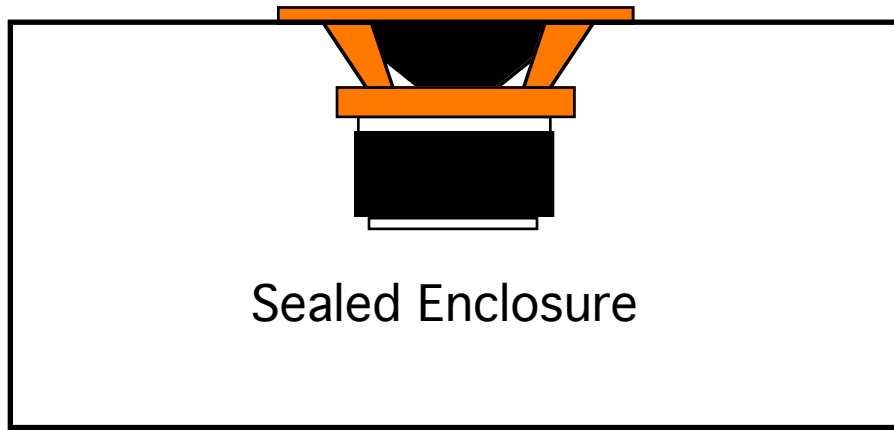
Specifications

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

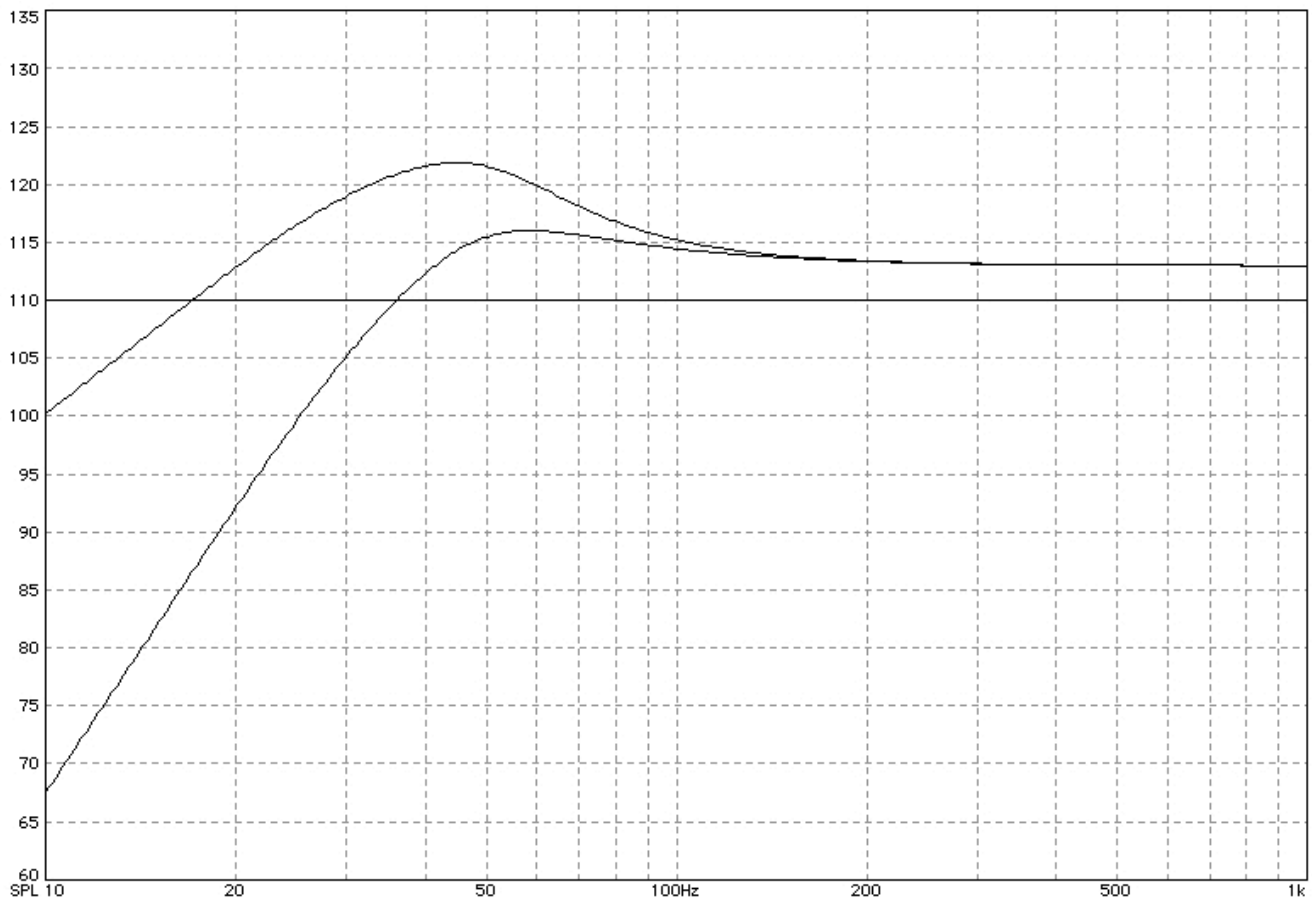
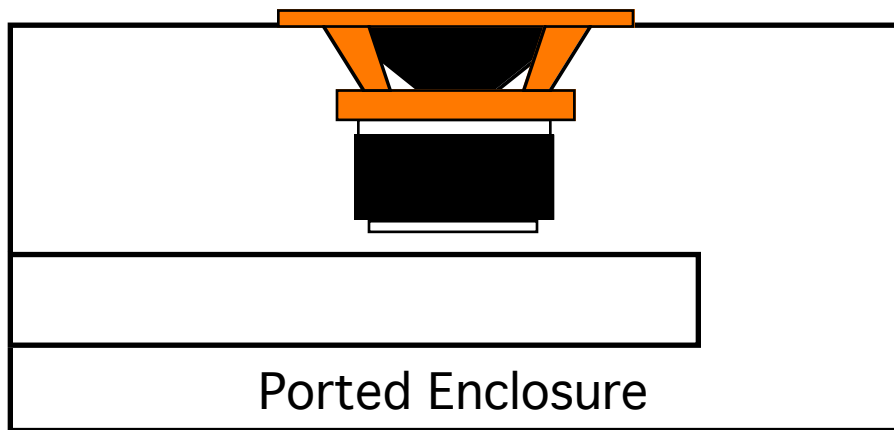


Thiele-Small Parameters

Free Air Resonance:	35.2 Hz
Voice Coil DC Resistance:	3.68 Ohms
Voice Coil Inductance @ 1 kHz:	3.54 mH
Mechanical Q (Q_{ms}):	6.06
Electrical Q (Q_{es}):	0.56
Total Q (Q_{ts}):	0.513
Compliance Volume (V_{as}):	30.36 l; 1.07 ft³
Moving mass, Diaphragm:	206 Gr
Motor Force Factor:	17.54 Tm



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