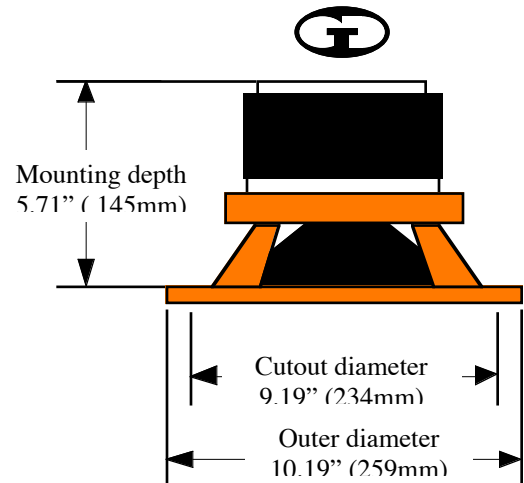


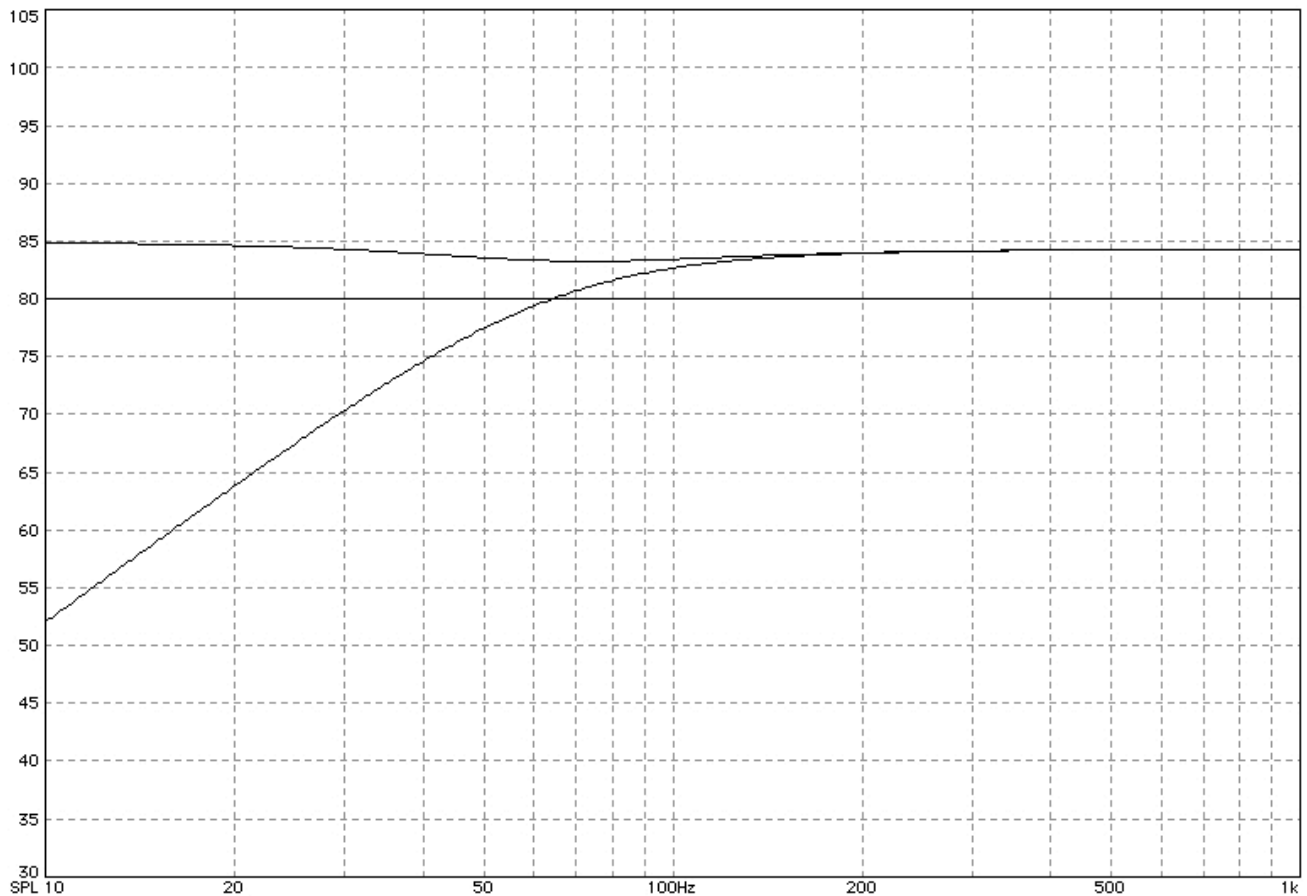
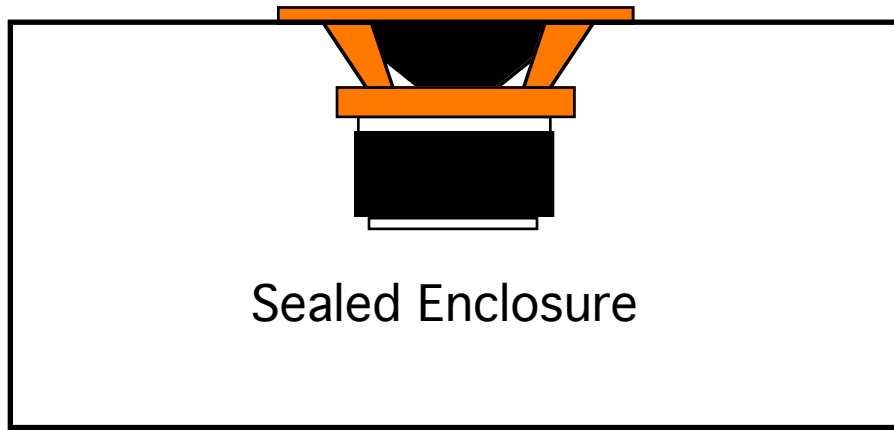
Specifications

Nom. Diameter:	10" (250mm)
Cone:	Kevlar-Paper Honeycomb
Surround:	NB Rubber
Sensitivity:	84.4 dB
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:	140 Oz stacked



Thiele-Small Parameters

Free Air Resonance:	39.8 Hz
Voice Coil DC Resistance:	3.42 Ohms
Voice Coil Inductance @ 1 kHz:	4.7 mH
Mechanical Q (Q_{ms}):	6.63
Electrical Q (Q_{es}):	0.403
Total Q (Q_{ts}):	0.38
Compliance Volume (V_{as}):	11.0 l; 0.39 ft³
Moving mass, Diaphragm:	247 Gr
Motor Force Factor:	22.89 Tm



Sealed Box Responses from top to bottom at 10Hz:

Smallest volume for flattest response

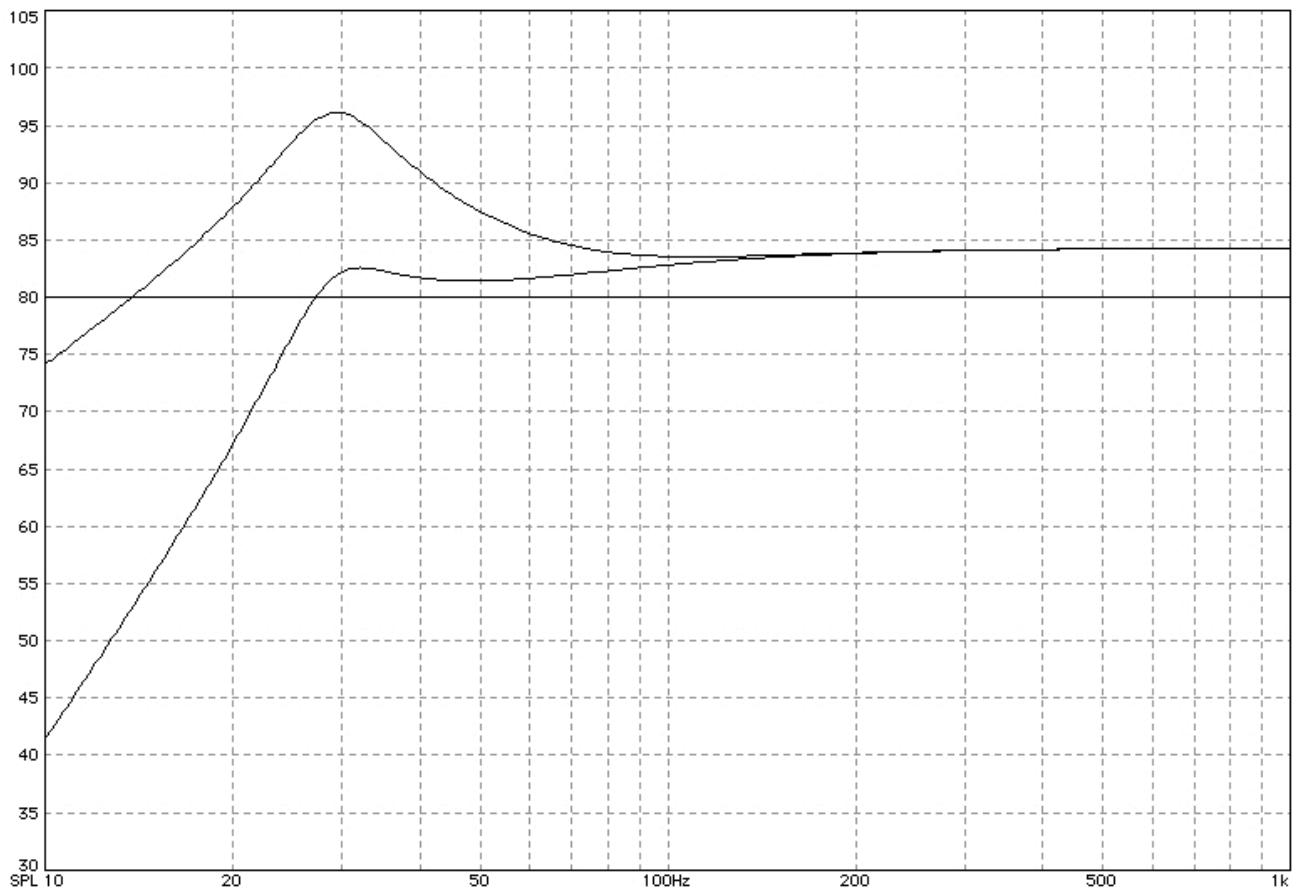
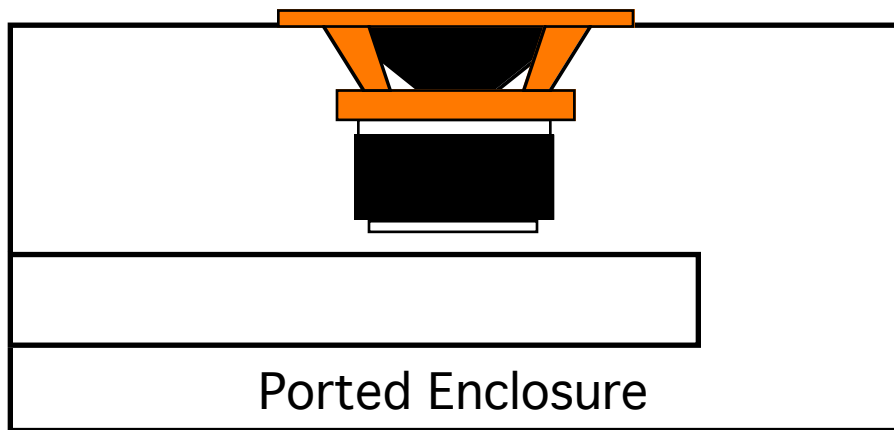
Top: Response corrected for typical cabin (medium sedan)

Bottom: Response in same volume taken without correction (2PI)

Response selected for medium sedan

Box volume = 0.25 cubic feet - add 0.1 cubic foot for driver inside

Total Vol.=0.35



Ported Box Responses from top to bottom at 10Hz:

Moderate volume for flattest 2PI response

Top: Response corrected for typical cabin (medium sedan)

Bottom: Response in same volume taken without correction (2PI)

Box Volume = 0.9 cubic foot add 0.1 cubic foot for driver inside

Port = 4"IDX39" Long internally mounted adds 0.36 cubic feet

(SCH 40 ABS pipe) (Total Vol=1.36) Fb=30Hz

Response selected for (2PI) response