

---

Subject: Bass Driver for horn

Posted by [Tom A.](#) on Tue, 28 Jun 2005 15:45:10 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

for my application (home theater). I have a choice between two drivers right now, both 15" high power PA speakers. The spec's of driver----- driver A:  $L_e=.73$   $R_e=3.97$  30-2,500 hz response  $F_s=38.9\text{Hz}$   $V_{as}=6.0\text{cu.ft.}$   $Q_{ms}=4.06$   $Q_{es}=.39$   $Q_{ts}=.36$   $SPL=96.5$   $X_{max}=2.3\text{mm}$ -----driver B:  $L_e=.70$   $R_e=5.2$  40-4000 response  $F_s=44.2$   $V_{as}=6.42\text{ cu.ft.}$   $Q_{ms}=9.2$   $Q_{es}=.38$   $Q_{ts}=.36$   $SPL=100\text{ db/m}$   $X_{max}=2.5\text{mm}$ ----- with the  $Q_{ms}$ ,  $Q_{es}$ , and  $F_s$  being different enough, is there a clear winner between the two? My target SPL after horn loading is 104-105 db/m and I need a HF crossover point of about 300Hz. Does the lower  $Q_{ms}$  of driver A result in a smoother response curve?.....Thanks, James

---