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Subject: Vas=8.3, Fts=40, Qts=0.35

Posted by [Wayne Parham](#) on Sat, 13 Dec 2008 19:00:24 GMT

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I'd probably put a woofer with specs like that in a cabinet from 2.5ft<sup>3</sup> to 5.03 tuned to 40Hz, just like the JBL 2226 or Omega 15. That is slightly overdamped, so it's good inside a room and also thermal shifts won't make it peaky down low. If using it in a larger box like you're talking about, I'd probably shift the Helmholtz frequency down a smidge, say 35Hz to 38Hz. All those values form kind of a continuum of alignments. Big box, from 6.0ft<sup>3</sup> to 10.03, the port should be somewhere between 35Hz and 38Hz, larger tuned lower. Smaller box, below 5.0ft<sup>3</sup>, tune to 40Hz.

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