
Subject: bass reflex vs back loaded horn speakers
Posted by [jim denton](#) on Thu, 18 Dec 2003 23:11:27 GMT
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Gentlemen, I have ordered a pair of Fostex speakers to build a simple bass reflex cabinet (as per suggestions from the recommended speaker from Decware web site---but in the search for the never to be satisfied got to be a better something serach--I went to the fostex.com site and found there the drawings for the same drive applied to a rather complex but very interesting back loaded horn cabinet---both use the same full range driver---one is quite simple in the construction of the cabinet---the horn is a cabinet builders work of art!!!! My questions are more to the point ---what would be the differences in the power needed and the sound?? I think both also can add a tweeter for a two way also----Jim

Subject: Re: Hey Jim!
Posted by [BillEpstein](#) on Fri, 19 Dec 2003 23:46:42 GMT
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I'm wondering which driver you chose and what it sounds like in a vented box. BTW, I was pleasantly surprised by how easy it was to put all those little pieces together into a speaker for the horn FE103E. 21 parts become 4 sub-assemblies:

Subject: Re: bass reflex vs back loaded horn speakers
Posted by [JLM](#) on Sat, 20 Dec 2003 12:52:17 GMT
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Jim:What's the BR (bass reflex) design recommended on the Decware site?At the 2003 DecFest we heard the following FE208E based designs (unfortunately none of the drivers were broken in):The prototype for Steve's latest HDT (high def tower) but I haven't seen plans, but it's possibly the most complicated cabinet I've ever seen (2 passive radiators, vent, transmission line, wave lens, and crossing internal partitions). Sounded very nice.Classic Audio's 2.5 (BR), driver had even fewer hours on it, response was not as flat with some bass boom, and side panel resonated badly.A relatively small standmount (BR) that Steve built, driver was even fresher, but sounded flatter/better with stiffer panels that IMO would integrate better than the others with a sub.But I haven't seen or read mention of other FE208E based BR designs from the Decware site.

Subject: Re: bass reflex vs back loaded horn speakers
Posted by [jim denton](#) on Sat, 20 Dec 2003 21:53:46 GMT
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On Decware.com I go to Tube amps---and at the bottom of the page is a tab that goes to recommended speakers for Dec Zen Amps---Omega, Fostex, Parker, Moth----on the Fostex site you will get Dave Dicks site for his speakers he makes with Fostex and you can up-grade to lowther by returning your Fostex---Dave has a different take on how to use the drivers---and for me, a novice here with no build experience, I felt like it was a good point to start--easy to build boxes that "get my feet wet"---my thinking is full range driver--build 2-3 different BR boxes and listen---maybe in the mean time build a little 5 watt Class Amp (a pair to bi-amp) and then step up to a 2-way box but bi-amp direct and then later build X-overs to see what's best ---by then I should have an idea of what sound I like and it will direct the future-----Fostex.com has some interesting boxes too Jim

Subject: Re: bass reflex vs back loaded horn speakers
Posted by [hurdy_gurdyman](#) on Sat, 20 Dec 2003 22:26:15 GMT
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We listened to the Dicks speaker at Decfest. It had a tubby sounding bass bordering on downright boomy. I preferred almost any of the other Fostex based speakers there, including Decware's new HDT's and The Hornshoppe Horns.Dave:^)

Subject: Re: Hey Jim!
Posted by [jim denton](#) on Mon, 22 Dec 2003 18:51:46 GMT
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Bill, You are a craftsman! Great looking build quality on your back loaded horns---I memory serves me the FRD I ordered is the FE206E---and a comment Dav Dicks is the only source for it as it was not listed at the fostec site---????? been reading a LOT of speaker design and have gotten to the point that I just have to BUILD --and then listen and then start all over again---and Dave said he thought this driver was tubby---I wonder what box they were in??? Jim

Subject: Re: Hey Jim!
Posted by [hurdy_gurdyman](#) on Mon, 22 Dec 2003 22:24:39 GMT
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The driver was only tubby in the David Dicks bass reflex box I heard it in. Several other types of boxes had them in and they sounded everywhere from thin to great. Only sounded tubby in the one box.Dave

Subject: Re: bass reflex vs back loaded horn speakers
Posted by [hurdy_gurdyman](#) on Tue, 23 Dec 2003 04:48:05 GMT
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Re-reading the last few posts made me realise that the wrong speaker is being talked about that was heard at Decfest. The speaker that was in the Dicks speaker as well as the Decware speakers, and a few others was the Fostex FE206E, not the FE208E. Sorry for any confusion. Dave
