Subject: Looking for a single driver?
Posted by djm on Thu, 11 Aug 2005 19:32:17 GMT
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Hi I am looking for a single driver. I would like to get onewith out the wizzer cone. I just bought a pair of the fostex 206 feand sold them to much midband for me and to bright to. I am lookingfor a single driving unit about 6 1/2 inch to 4 1/2 ichs. Please if you can help or tell me of a brand please let me know. Thanks jm

Subject: Re: Looking for a single driver?
Posted by hurdy_gurdyman on Fri, 12 Aug 2005 12:43:27 GMT
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You probably didn't give the 206fe a fair chance. This is an excellent driver. A simple compensation circuit would have tamed the nasty peak.Dave

Subject: Re: Looking for a single driver?
Posted by doorman on Sat, 13 Aug 2005 20:38:07 GMT
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Also, as noted elsewhere, Fostex's (among others) take a very long time to settle in. Perhaps another try?

Subject: Jordan or coral
Posted by Zeno on Sun, 14 Aug 2005 09:34:16 GMT
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i think u will love them, with the price and performancezeno

Subject: Re: Jordan or coral
Posted by djm on Sun, 14 Aug 2005 19:44:53 GMT
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Hi I just went to the single driver web site. They said that theCoral driver have been out of production for a long time now. Wherewould I get the Coral beta 8 fullrange driver? That is the one I am really looking. I would Like a u.s. dealer if possable. Thanks jm

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Subject: Re: Jordan or coral
Posted by Martin on Sun, 14 Aug 2005 20:24:01 GMT
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Why not try a Lowther driver. The lowest cost PM6C is a great driver, in my experience still a cut above the Fostex drivers. I have been listening to the PM6C in my ML TL for the past couple of months and it is really very balanced and sounds extremely good.Martin

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Subject: But will it play Metal?
Posted by Ed Schilling on Tue, 16 Aug 2005 23:30:17 GMT
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Sorry, I just could not help myself. But the question is valid. If so, excellent, if not, any guess as to why?Ed

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Subject: Re: But will it play Metal?
Posted by Martin on Wed, 17 Aug 2005 00:06:18 GMT
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Ed,I don't see why they would not play "metal". The speakers can play very loud, louder then I ever push them with my with 200 watt amp. I have on occasion cranked up jazz and classical to uncomfortable levels for my own enjoyment/entertainment or at the request of visitors. Seems to play well, bass is strong and tight but not earth shaking. No idea what SPL that would equate to, if the speakers were pushed back into the corners I am sure it would be even louder. I am afraid that 100+ dB of Metallica is not something I strive for or have been requested to reproduce.Sorry,Martin

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Subject: Re: But will it play Metal?
Posted by Ed Schilling on Wed, 17 Aug 2005 00:57:29 GMT
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Martin,You are a good sport and I hope you knew I was "teasing you". Kidding aside, I actually don't listen to much Metallica.....but when I do it must be loud! That goes for any music that should be played loud. Veruca Salt at 80 dB just doesn't cut it, Neither does Suzie Q. at 80 dB. Norah, Allison ? Well, no need to have them scream at you, 80 is fine. I figure any "real" Hi Fi should be able to play "real music" at 100 dB peaks, at the listening spot, as measured by a typical SPL meter. I would not think you would want your speakers in corners since they were not designed to take them (corners) into account in the overall response you were trying to achieve. I have not found "corner placement" to be a "good thing" unless the speaker was designed to use them and it's overall response was "tailored" for use in corners. Just for kicks....in a BR the woofer cones are at minimum excursion at port tuning (a good thing).....or so I thought. What happens below port resonance? Does not the driver become "under damped" and "kind of flop around" (a very bad thing for a single driver speaker)? And if the content you are listening to has significant output below port tuning (common) wouldn't that cause excessive excursion and maybe even limit SPL (due to audible distortion) in a single driver speaker? Is my understanding of this wrong? Ed

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Subject: Re: But will it play Metal?
Posted by Martin on Wed, 17 Aug 2005 10:16:25 GMT
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Ed,"You are a good sport and I hope you knew I was "teasing you"."With you Ed, one is never sure. But I suspected that was the case."Just for kicks....in a BR the woofer cones are at minimum excursion at port tuning (a good thing).....or so I thought. What happens below port resonance? Does not the driver become "under damped" and "kind of flop around" (a very bad thing for a single driver speaker)? And if the content you are listening to has significant output below port tuning (common) wouldn't that cause excessive excursion and maybe even limit SPL (due to audible distortion) in a single driver speaker? Is my understanding of this wrong?"You are correct. I once bottomed a 10" Focal woofer in a BR playing the 1812 cannon shots. I made it to the volume control before any real damage was done.If you think about it, a BR unloads the driver below resonance because it is acting like an open backed speaker. A TL or ML TL does the same thing, although having stuffing helps a little to damp any ringing. But if you think a little harder, you will also recognize that a BLH has the same problem as a BR at very low frequencies. A BLH does not prevent unloading the driver below the line's first resonance. The jazz I listen to does not have much bass content below 40 Hz so I really don't have too many concerns about my drivers in ML TL enclosures going unstable. Since we did a way with turntable rumble (much better turntable and CD players) I have not seen BR enclosures unload very often, at least in my system.Martin

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Subject: Re: But will it play Metal?
Posted by Bob Brines on Wed, 17 Aug 2005 11:42:13 GMT
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It all depends on what the BR/MLTL resonant frequency is. My 6" Fostex BR's have Fc=60. They are fully unloaded by 40 Hz and show significant excursion on most program material. Therefore, I cross them at 80Hz to a sub and the problem goes away. They can play very loud with little IM distortion. My 6" Fostex MLTL's have Fc=40. They don't unload significantly until below 30 Hz. There just isn't much program material down there, so excursion isn't a problem. Of course, they DO run out of excursion first at 80-100 Hz, and this is what limits the ultimate undistorted SLP.Bob

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Subject: 10-4, Martin & Bob
Posted by Ed Schilling on Wed, 17 Aug 2005 12:42:38 GMT
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Martin,Thanks. We are in "agreeance"(to quote some Rock Star).....for the most part. I have never designed a BR....nor have I heard one I could live with. Not sure why this is so, but it is.Playing warble tones I can not "see" the driver unload (in my favorite speaker) until the freq. is below audibility.....but I know it happens. Bob,Thanks, The TL's I have built seemed much as you described.....they did unload, but the freq. was low enough it did not seem to matter.I was under the impression this is a much bigger problem with a BR.....and also I am opposed to "wasting efficiency" with compensation networks or notch filters, when a single driver is used. Limiting the response below resonance seems reasonable to me in some cases. I don't do it as a general rule., however, because I seldom use a sub and simply prefer the sound of the speakers with no filters or components in the signal path, at least in the case of my "favorite" speaker. I do use a HP filter on my TV system.....but those are ONE INCH full range drivers! They MUST be rolled off at about 200 Hz to have any power handling at all!Thanks, guysEd

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Subject: How about an...
Posted by Crazy Dave on Wed, 24 Aug 2005 17:39:10 GMT
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Eminence Beta 12LT. They are cheap, go quite low, efficenct, and play loud. The only down side is that you are going to need a helper tweeter. There is lots of DIY information on the web about this driver. Dave
 Beta 12LT

Subject: Maximum SPL charts
Posted by Wayne Parham on Mon, 12 Sep 2005 13:40:47 GMT
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A bass-reflex speaker is unloaded below the Helmholtz frequency. A transmission line is unloaded below its quarter-wave frequency. And a horn is unloaded below its flare frequency. This is particularly true for back-loaded horns, which act very much like bass-reflex cabinets or transmission lines in this regard. In each of these cases, excursion goes up rapidly when frequency drops below their passbands.As for your comments about maximum SPL, here's a chart that will help quantify matters. Below is an SPL chart based on Fostex specs. Add 6dB for

of course assumes that X-max is not an issue and that there is no compression. In other words, the maximum SPL listed here is rather optimistic.[Model][size][SPL at 1W/1M][Max power][Max SPL at 1M][Max SPL at 10 feet][Max SPL at 15 feet]==========F83E 3" 88dB 10watts 98.00dB 88.25dB 84.75dBF120A 5" 89dB 30watts 103.75dB 94.00dB 90.50dBF200A 8" 90dB 80watts 109.00dB 99.25dB 95.75dBFE87E 3" 89dB 15watts 100.75dB 91.00dB 87.50dBFE103E 4" 89dB 15watts 100.75dB 91.00dB 87.50dBFE107E 4" 90dB 15watts 101.75dB 92.00dB

5" 93dB 45watts 109.50dB 99.75dB 96.25dBFE127E 4.7" 91dB 45watts 107.50dB 97.75dB 94.25dBFE166E 6" 94dB 65watts 112.15dB 102.40dB 98.90dBFE167E 6" 94dB 65watts 112.15dB

100.25dBFE206E 8" 96dB 90watts 115.50dB 105.75dB 102.25dBFE207E

120watts 117.75dB 108.00dB 104.50dBFF125K 4.5" 92dB 50watts 109.00dB 99.25dB 95.75dBFF165K 6.5" 94dB 70watts 112.50dB 102.75dB 99.25dBFF225K 8" 96dB 100watts 116.00dB 106.25dB 102.75dB

Subject: Re: Jordan or coral
Posted by lippmann on Mon, 20 Feb 2006 09:47:01 GMT
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I have a few pairs of Japanese Coral 6" fullrange (6m-1) Alico. built in 1968 to 1970, new old stock, if this is also what you are looking for, please contact me with your offer.thanks.
