Subject: Bigger is ...
Posted by Zene Gillette on Sat, 10 Nov 2007 06:00:46 GMT
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Hi ... Are there any true 12" high efficiency midrange speakers for use in a waveguide? Bass will be one of the 7PI's.Zene

Subject: JBL 2012 and 2020, Eminence Delta 10A and Delta 12A
Posted by Wayne Parham on Sat, 10 Nov 2007 15:35:59 GMT
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Check out the JBL 2012 (10") and JBL 2020 (12"). Also check out the Eminence Delta 10A (10") and Delta 12A (12").Each of these are excellent drivers that work very well in a midhorn.

Subject: Re: JBL 2012 and 2020, Eminence Delta 10A and Delta 12A
Posted by Zene Gillette on Sat, 10 Nov 2007 20:12:56 GMT
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Thanks, Wayne ... graph looks terrible on both Eminences from 1500hz up.Am I missing something? You have heard, I have never. Horns may help, but WG's probably not. Zene

Subject: Re: JBL 2012 and 2020, Eminence Delta 10A and Delta 12A
Posted by Wayne Parham on Sun, 11 Nov 2007 14:34:55 GMT
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What you're seeing are breakup modes. They make the curve rise like that, but they actually measure pretty consistently. It's not a choppy curve, it's a steady rise. That helps midhorns with these drivers have useable response above 1kHz. Without that response curve shape, you wouldn't have much output up high.

Subject: Re: JBL 2012 and 2020, Eminence Delta 10A and Delta 12A
Posted by Zene Gillette on Mon, 12 Nov 2007 00:10:35 GMT
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Wayne ... Quick thanks and follow up. How high can I take each of the four and still maintain low distortion? They will be used in WG's so top end won't be as restricted compared to horns.Zene

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Subject: Re: JBL 2012 and 2020, Eminence Delta 10A and Delta 12A
Posted by Wayne Parham on Mon, 12 Nov 2007 02:15:23 GMT
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You'll find that the horn will naturally limit upper response for you, unless you add a phase plug. The acoustic low-pass filter formed by the horn makes a nice natural limiter of high frequency breakup.

Subject: Re: JBL 2012 and 2020, Eminence Delta 10A and Delta 12A
Posted by Zene Gillette on Mon, 12 Nov 2007 02:21:10 GMT
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Wayne ...Sounds good. I have tweeters available to go almost anywhere. Got it, build and listen. Appreciate help as usual. Zene

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