Subject: New Horns! 12" model
Posted by bmar on Thu, 26 Sep 2002 20:55:09 GMT
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Hello Everyone,I would like to say that available now is a new version from woodhorn.com. This is a 12" horn as opposed to the Classic Horn that is 17".The cut off for this horn is 1000hz. It's great if your cabinet design calls for something a little smaller.This horn also has the X-Flare option which is a tractory curve at the edges of the mouth. Thanks for looking,Bill Martinelli

woodhorn.com

Subject: Sweet! Perfectly suitable for H290 retrofit!
Posted by Wayne Parham on Thu, 26 Sep 2002 21:06:17 GMT
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Those are gorgeous!Perfect as an upgrade substitute for H290's!

Subject: Wow!
Posted by ToFo on Fri, 27 Sep 2002 04:43:48 GMT
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I don't even know what I will build to go with them yet, but I really want a pair of these. Are they about the same price as the 17" horns? As always, really nice work Bill.Thomas

Subject: Re: New Horns! 12" model

Posted by D. Kurfman on Fri, 27 Sep 2002 12:36:30 GMT
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O.K. I'm in love. Every time I think I have this settled down, a new twist comes along.Dan

Subject: Re: New Horns! YO Wayne.
Posted by D. Kurfman on Fri, 27 Sep 2002 12:45:01 GMT
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The original 12" Omega specs show a sharp dip @ 1.5k, the Delta a sharp peak @ 2k, and the Alpha has rising response plus a high QTS that makes it hard to put in a compact box. [Further, the specs seem to change daily.] I don't see where in your crossover document you really show how much the network really handles these issues. In an all Eminence solution using these new horns, where a compact solution would be desired with an exposed horn, what Eminence motor is going to give the smoothest transition through the crossover?Dan

Subject: "+/- 3dB"
Posted by Wayne Parham on Fri, 27 Sep 2002 17:16:25 GMT
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You're right that Alpha 12's and 15's need really big cabinets, such as is the case with the

rise in response around 2kHz, but it's crossed over at 1.6kHz and there's a Zobel to smooth

containing an Omega 15. Generally speaking, better motors cost more money so you can expect performance improvements from the more expensive offerings. In any event, remember that all drivers have response aberrations; If they're under 6dB then the response meets the criteria of being "flat +/-3dB."