Subject: I am a new visitor to this forum
Posted by Rajeev on Mon, 10 Oct 2005 03:19:25 GMT
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Hello,I am a new visitor to this forum , please could anybody update me reg what all goes on here ,I read about the 12pi in PSW forum and would like to know more , what are the outside dimentions of the complete horn and what size drivers are used etc etc , are there any pi design tops for these too ??CheersRajeev

Posted by Wayne Parham on Mon, 10 Oct 2005 05:06:15 GMT
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shape of the horn is optimized for accurate response, not just to be loud. Because of this, it

basshorn uses a pair of LAB12's having push-pull drive which reduces harmonic distortion. Second harmonics are cancelled with this arrangement, third harmonics are attenuated by horn folds and fourth harmonics are reduced by both push-pull cancellation and horn fold attenuation. This use of horn folding and push-pull drive reduces all types of distortion, not just those resulting from electro-magnetic causes. The net result is that distortion is very low, reduced more than any

and parameter drift. This increases efficiency and makes the response curve more consistent at moderate and high power levels. It also makes the horn more durable by reducing motor

will be at the Prosound Shootout this Friday.

Subject: Re: I am a new visitor to this forum
Posted by j.luis cruz . on Mon, 10 Oct 2005 15:22:45 GMT
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Benvenuto

Posted by Rajeev on Tue, 11 Oct 2005 01:07:52 GMT

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Wow , I am waiting for fridays reports,Thanks for the reply and the e-mail , now I will be in touch,Rajeev

Posted by Wayne Parham on Thu, 20 Oct 2005 16:02:36 GMT
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The results are in:Hornsub shootout RESULTSThe Most Powerful Subwoofer in the WorldI was

from everything I've seen, it appears to be the most powerful commercially available subwoofer on the market. So I am really excited about that. The frequency response was exactly as expected, and the push-pull configuration provides improved distortion reduction, particularly at very low frequencies where the horn is no longer able to reduce driver excursion.The heat exchanger

at all power levels. We ran tests well beyond the limits of the device, but the response curve always looked exactly the same. Compare with other horns having no heat exchangers, and you'll see their LF response changes at high power levels. This is because motor heating changes the electro-mechanical specs and tends to shift the alignment towards an underdamped condition.

uniform at all power levels.

Posted by Paulo on Sun, 23 Oct 2005 15:30:19 GMT
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I´m very interested in your projects, 12pi and 2pi tower; may I have acces to the plans?Thanks in advance for your attention.Regards,Paulo

Subject: You've got mail!
Posted by Wayne Parham on Sun, 23 Oct 2005 17:52:17 GMT
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