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Subject: Re: Hi wayne any new development on the 12 pi sub horn?

Posted by [Wayne Parham](#) on Sun, 21 Nov 2004 16:19:17 GMT

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I'm proud to say that Monte Vogt, an excellent mechanical engineer, is helping me develop the cooling system right now. We are making measurements to understand heat transfer requirements first. I've worked with Monte for 25 years and I can't emphasize enough how impressive this guy is. So when he tells me he's optimistic about the system. First, I'm comparing measurements of the LAB12 in free air and in a 0.6ft<sup>3</sup> sealed box, with and without the prototype

horn, but also possibly on others. Basically, there are still a lot of little variables to look at, but I am very happy with what we've found so far. I'm still shaking my head at the fact that I didn't consider the push-pull plenum before asking Eminence to work on a woofer with a shorting ring. Shorting rings lose effectiveness down low, but the push-pull arrangement doesn't. This combined with the potential improvement of the cooling system is very exciting. Both of these can only do good things, and as improved motors with greater excursion are made available, they can take advantage of these improvements as well. Thanks for asking; I'll keep you posted as progress is made.

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