Subject: folded horn
Posted by boblaz@yahoo.com on Wed, 18 Apr 2001 01:02:29 GMT
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I want to build a folded horn cabinet since I do not have useable corners in my room for the corner horns.Size in and of itself is not a problem. I want extended low frequency response and smooth mid/highs. I already own and use Klipsch LaScalas.Recomendations please.

Subject: Re: folded horn
Posted by Wayne Parham on Wed, 18 Apr 2001 04:37:22 GMT
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Check your mail. If size really isn't a concern, I think you'll love the Pi folded basshorn. If it's too big, check back with me and we'll look at something else.

Subject: Re: folded horn
Posted by str8aro on Thu, 19 Apr 2001 15:58:46 GMT
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If size isn't a problem, build a real horn! However, I doubt this is really the case...John

Subject: Re: folded horn
Posted by Wayne Parham on Thu, 19 Apr 2001 21:21:35 GMT
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That's true, there's no replacement for displacement. This is more true for basshorns than

anything else. If they're not big enough, they get peaky. I'd rather have a good bass-reflex system than an undersized peaky basshorn. But when properly made, the basshorn rules. You just have to be able to make 'em big. Hoffman's Iron Law says there's no free lunch. Extension, efficiency or compact size, take any two.

Subject: Re: folded horn
Posted by str8aro on Thu, 19 Apr 2001 22:34:24 GMT
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Hi Wayne,Of course if you have the room, the horns are better than vented boxes. Since the horn is more effiecent and requires less diaphragm motion, you get less distortion from suspension non-linearities and voice coil heating. But it's still big... Actually, though, my current horn design is only about 48 cubic feet and it'll theoretically do 135dB + on only 500watts. At that level, the cone would be moving 1.1mm.... :> Not sure how that compares size wise to vented boxes, but since I'm only after the low distortion and high dynamics, well, it doesn't particularly matter...I'm hoping to complete construction in the three months of summer. Definitely not full time, though. Just weekends and free time. I don't think it will be too hard... One side of the horn is flat, the two curved sides will be kerfed plywood laminated together, and the other side, well, it will be interesting, but I don't think it will be too bad...John

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