Subject: New to forum, building 2Pi towers
Posted by Ben S on Tue, 24 Jun 2008 16:35:38 GMT
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Hello to all in the forum, I've just been introduced to Pi through a friend.I've ordered the 2Pi tower kit but there are a couple of questions I'd like to ask before starting.1. Laminates and veneers come in 24" widths, but the 2Pi towers are 13" deep, which makes for a lot of scrap. What is the best way around this? Can the towers be built 12" deep?2. What is the advantage of having the port on the backof the speaker? Are there any advantages to putting it on the front?cheersBen

Subject: Re: New to forum, building 2Pi towers
Posted by Wayne Parham on Tue, 24 Jun 2008 17:23:47 GMT
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In many cases, a bass-reflex cabinet can be made of arbitrary shape. The important thing is the volume of the cabinet and the size of the port. However, this really only holds up for boxes that are acoustically small. Larger cabinets can develop pipe behavior and cabinet proportions and

models that simulate both Helmholtz resonation and pipe mode resonation. The dimensions and driver and port placement were adjusted for best response using these mathematical tools, and then the completed loudspeaker was measured to verify its performance.If the speaker were smaller, I would say you could probably change dimensions without worrying too much about sonic impact as long as the volume was the same. But in this case, the dimensions and driver and port placement are more important, because they determine how standing waves align themselves inside the box.

Subject: Re: New to forum, building 2Pi towers
Posted by Shane on Wed, 25 Jun 2008 01:14:35 GMT
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Welcome to Pi, Ben!You will like the Towers. I have a set that I run using my little 0.9W 12B4 amp. Plenty loud in a small room. On the other hand I can run my 50W NAD BEE amp into them and shake stuff off the walls long before I notice any clipping or distortion.As far as veneer goes, you can get paper-backed veneer in 4x8 sheets here.
4x8 veneer