Subject: 2 Pi Tower Plans
Posted by JohnB on Thu, 22 Aug 2002 08:40:59 GMT
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Hello:Wayne - could please I get the 2 Pi tower plans. I just received the bookshelf 2 Pi plans, fortunately I haven't bought lumber or begun the project yet.BTW thanks for the reply regarding the piezos (post below).Thanks,John B.

Subject: You've got mail!
Posted by Wayne Parham on Thu, 22 Aug 2002 08:44:52 GMT
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Subject: Re: 2 Pi Tower Plans
Posted by Edwin on Thu, 22 Aug 2002 12:07:02 GMT
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Hi Wayne,By using a 5/8" cabinet and a port length of 5/8" it is my understanding that you don't need to put anything in the port hole anymore. Will the port diameter and port lenght change if I use a 3/4" MDF with the 2Pi Towers?Thanks,Edwin

Subject: Additional 3/4" MDF question
Posted by Matts on Thu, 22 Aug 2002 15:15:03 GMT
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would the design still be ok if you made it out of 3/4 in. MDF with 48" H.,16" width, and 12" depth? Do the multiples of 4" create a standing wave problem? In rough cubic feet (not allowing for the thicker wood) it's 66.44 as designed and 64.0 as above. Purpose of change would be to get 4 sides that could be built easily with the pre-made 3/4" MDF shelves (which come in 12 and 16" sizes). If it might sound worse, no big deal to do the woodwork...

Subject: Additional 3/4" MDF answer
Posted by Wayne Parham on Thu, 22 Aug 2002 19:23:13 GMT
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When making the cabinet with 3/4" wood, cut the port hole 4 5/8" diameter. I can't say what you'll get if you modify overall cabinet dimensions, but I expect it will be OK if you don't vary too much. Keep volume the same and leave the distance between port and cabinet floor the same. Also maintain the distance relationships between the woofer, the tweeter and the top of the cabinet.

Subject: Re: Corrected 3/4" MDF calculations
Posted by Matts on Thu, 22 Aug 2002 20:02:11 GMT
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Wayne-To use the pre-cut shelves, I realized a mistake I made above. If you used the 12" shelves for sides inside the 16" front and back, the ext. depth would be 13 1/2", comparing apples to apples. This extra 1/2" almost makes up the decreased volume caused by using 3/4" instead of 1/2". I calculated the internal volume of your plan, using 5/8" as 7,756 cu. in. (53.86 cu.ft.). If you used the 3/4"mdf, with the 13 1/2" depth, the internal volume would be 7,743 cu.in. (53.77cu.ft.)-practically the same.Internal dimensions would be 14 1/2 x 44 1/2 x 12, so there shouldn't be a standing wave problem, huh?

Subject: Re: Additional 3/4" MDF answer
Posted by JLM on Mon, 09 Sep 2002 17:40:13 GMT
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Years ago I built a pair of 8 inch transmission line enclosures and somehow made one a half inch wider than the other (discovered at the veneering stage). No one noticed or could tell the difference.