Subject: 12Pi plans
Posted by joe p on Tue, 11 Dec 2007 16:28:08 GMT
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Hi Wayne,I'm planning to start constructing the 12Pi in a couple of days. Could you please send the latest v2 plans.I also plan on starting on the Fitzmaurice Tuba36 with a single 3015LF driver or a dual 4012HO version for comparison before making multiples. How close do you think they are in terms of max SPL attainable? I'm sure they aren't close in terms of distortion.

Subject: You've got mail!
Posted by Wayne Parham on Tue, 11 Dec 2007 21:37:14 GMT
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I'm actually sending the v1 plans. The v2 plans are done for the CNC machine but the plans for DIY (without dado grooves) aren't quite done yet. They'll be ready in a few days.Actually, with the ice storm in Tulsa, most everyone is out of power and it will probably be sometime next week. I went to Texas to work remotely from a hotel. So I think probably you should count on us having the plans ready by the end of next week. Drop me a line and remind me and I'll send you the v2 plans then.As for comparison with Fitzmaurice boxes, they are really in two different leagues. No comparison is really fair. The Fitzmaurice boxes are smaller so they're easier to carry. If you're doing smaller gigs, they're more than plenty. But if you're doing stadiums or outdoor gigs, you just

output is still 6dB lower from 60Hz to 100Hz.Remember that adding boxes connected in parallel decreases impedance, so you can expect 6dB when running a pair of boxes if the voltage level remains constant. But if you compare at a constant power level, you only get 3dB more from a pair of boxes. Both are relevant and both things are worth considering.When comparing equal

looking at about 6dB difference in SPL below 60Hz and 3dB difference from 60Hz to 100Hz.

800 watts, 400 watts a piece. Now if you increase power to each Titan 48 to 800 watts, so the

more efficient, uses push-pull drive and has the cooling plugs to keep the motors cool, all of which put it in another league.Distortion charts for comparison