
Subject: 3Pi Speaker plans request
Posted by [cguyome](#) on Wed, 15 Jan 2014 04:24:25 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello Wayne,

May you send me the 3Pi speaker plans with the 4012HO and 2426H ? I would like to try these speakers. Many thanks !

Best regards,

Guillaume.
cguyome@gmail.com

Subject: Re: 3Pi Speaker plans request
Posted by [Wayne Parham](#) on Wed, 15 Jan 2014 15:51:52 GMT
[View Forum Message](#) <> [Reply to Message](#)

You've got mail!

Subject: Re: 3Pi Speaker plans request
Posted by [cguyome](#) on Thu, 16 Jan 2014 02:39:38 GMT
[View Forum Message](#) <> [Reply to Message](#)

Thanks Wayne !

Subject: Re: 3Pi Speaker plans request
Posted by [cguyome](#) on Tue, 21 Jan 2014 08:00:36 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello Wayne,

Is the width of 20" is important for the 3pi, or can I reduce it to 15" or less ? Thanks.

Regards,

Guillaume.

Subject: Re: 3Pi Speaker plans request
Posted by [Wayne Parham](#) on Tue, 21 Jan 2014 14:02:15 GMT

Don't change the cabinet dimensions unless you have measuring equipment and can verify the changes made. Cabinets this size develop standing waves in the lower midrange, so dimensions and woofer and port position are important. You do not want a pressure node to be where the woofer or port are, because that would cause response ripple.
Cabinet design, port placement and internal standing waves

Subject: Re: 3Pi Speaker plans request
Posted by [cguyome](#) on Tue, 21 Jan 2014 15:10:51 GMT
[View Forum Message](#) <> [Reply to Message](#)

Thanks Wayne. I asked you for that because I want to transform the 3pi cabinet in a TQWT for the 4012HO. The width will be about 14".

Regards,

Guillaume.

Subject: Re: 3Pi Speaker plans request
Posted by [Wayne Parham](#) on Tue, 21 Jan 2014 15:55:53 GMT
[View Forum Message](#) <> [Reply to Message](#)

As long as you're comfortable with measurements and can do the design work yourself, that sounds like a fun project. You can still depend on the crossover to work as expected provided you keep the woofer/tweeter spacing the same.

As I said earlier, just pay attention to the response in the upper bass and lower midrange, because the standing waves we're worried about tend to be there. The low frequency part is pretty easy - Your job is to get box tuning right using the fundamental mode and attenuate any of the higher frequency modes.

Subject: Re: 3Pi Speaker plans request
Posted by [stoli](#) on Thu, 23 Jan 2014 19:22:18 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello Wayne, May I have plans for the 3 Pi?

Thank you.

Subject: Re: 3Pi Speaker plans request
Posted by [Wayne Parham](#) on Thu, 23 Jan 2014 20:02:54 GMT
[View Forum Message](#) <> [Reply to Message](#)

I'll send plans this evening.
