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Subject: 4 pi speakers with existing cabs

Posted by [Jerry Look](#) on Wed, 01 Jan 2020 22:14:30 GMT

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I've been interested in building some 4 pi speakers for a while now. It's been on the back burner because of so many other projects. I just picked up some speaker cabs that are almost perfect for this.

I bought some TOA speakers that were installed in a church. They have no corner protectors, handles, or other junk like a normal PA speaker. They are 3/4" mdf construction. The cabs are 27" tall  
19" wide  
15" deep

Very close to the 4 pi dimensions. The speakers have two 3" ports. The cabs are pretty solid. I do plan to add some bracing on the sides and back.

My questions are these-

Can I sub the JBL 2225 in place of the 2226?

Can I sub the PRV D290py in place of the B&C DE250?

I assume I should keep only one of the ports per cabinet. What length would a 3" dia port need to be to tune the 2225 woofer? Or the equivalent cab tuning to the rectangle port that is on the 4 pi.

I appreciate any help you guys can offer. Here is a pic of one of the cabs I'm working with.

### File Attachments

1) [3F93B747-F5B6-4C8C-A95E-BAF3EFB53341.jpeg](#), downloaded 734 times

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