
Subject: Can I just sandbag it?

Posted by [GarMan](#) on Mon, 11 Apr 2005 13:53:10 GMT

[View Forum Message](#) <> [Reply to Message](#)

I built my cabinets for my JBL 2235 as per JBL's enclosure guide of 5 ft³ and I'm very please with the results. However, I've read in this forum that the 4 ft³ volume recommended by PiAlign gives a more controlled bass. There's no way I'm rebuilding the enclosure as I've spent a lot of time on it already. Would stuffing the enclosure with sandbags to reduce volume give the same results as rebuilding?Gar.

Subject: Re: Can I just sandbag it?

Posted by [Wayne Parham](#) on Mon, 11 Apr 2005 14:13:40 GMT

[View Forum Message](#) <> [Reply to Message](#)

You can put sandbags in the cabinet, sure. That will work just fine for displacing some volume. Be sure to change your port though too, because when you make the box smaller, the Helmholtz frequency will rise. The JBL 2235 works well in boxes from 2.0ft³ to 6.0ft³ tuned to 30Hz. Four cubic feet is perfectly flat, but so is five, really. I mean, maybe 0.1dB difference, just nothing. The 4.0ft³ box has f₃ of 34Hz and the 5.0ft³ f₃ is 32Hz. Again, almost no difference. Now if the cabinet is tuned to 40Hz like you'd want for a 2205, 2225 or 2226, that's different. It will have a 3dB peak at 50Hz. So my point is that I wouldn't go the cubic foot smaller because it just isn't much difference. I might check tuning frequency though, and make sure it's 30Hz.
