
Subject: Re: PI 7

Posted by [Wayne Parham](#) on Tue, 06 Feb 2007 22:07:49 GMT

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The JBL 2241 in a 7ft³ cabinet tuned to 30Hz has f₃ at 40Hz and f₁₀ at 28Hz. The system is slightly underdamped, making room lift a nice natural conjugate, bringing up the bottom octave and giving solid output into the 20's. If you are going to use these outdoors or in very large rooms, you might not want an overdamped curve, maybe preferring even slightly underdamped. If you increase cabinet size to say 10ft³ or 12ft³, maybe also increase tuning frequency to 35Hz, you'll increase output around 30Hz. I would only recommend this for outdoor use though, or for very large rooms. In a small to medium size room, the larger cabinet may sound a bit boomy.
