
Subject: Hello Wayne Is the Compensation on 2370 same as 2342 Or 44 horn?
Posted by [Robert Hamel](#) on Wed, 26 Dec 2001 20:28:00 GMT

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Hi Wayne Thanks for this great forum and your speakers look great!! I am a little new to the do it yourself speaker school but that Tent Sale is just too good to pass up. Mike B. sent me here looking for info on the 2226. The perfect place! I have been looking at your crossover document, great document!!!, and will be using 2416-H's as my compression drivers. Wanted to do a 3 way with 2035's 2122's and 2416's. I have the 2373 horns and I believe them to be very similar to the 2370 with a higher crossover point. Also have some 2344 or 2342. I have been looking for a crossover values document for the various Pi designs using the 2426 but can't find it?? I would like to try your compensation circuit. Could you help me out? Regards Rob

Subject: JBL specifications documents and whitepapers
Posted by [Wayne Parham](#) on Thu, 27 Dec 2001 03:40:15 GMT

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Both the 2370 and the 2344 provide constant directivity, so they'll each need 6dB/octave compensation above 5kHz or so. This is provided in the Pi crossover, via the R1/R2/C1 top-octave compensation network. However, the 2370 and 2344 have different radiation patterns. I would not want the large vertical coverage of the 2344, because the energy is wasted on the ceiling and the floor, where it serves no purpose but to cause reflections. In addition to excessive ceiling slap, the vertical nulls are smack dab in the middle of the pattern, something else I would avoid. I prefer a narrower vertical pattern, with nulls placed outside the HF coverage angle. This is most natural sounding to me, by reducing ceiling slap and creating a more uniform reverberant field. By the way, you can find information on those horns and many other things on the JBL website.

Subject: Re: JBL specifications documents and whitepapers
Posted by [Robert Hamel](#) on Thu, 27 Dec 2001 16:00:04 GMT

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Hello Wayne Thanks for the response and your E-Mail. It looks like the 2344 are very different so your EQ would not work but the 2373 looks like it will so I will just have to try it out. Thanks for

your HelpRegards Rob