Subject: theater4pi and stage4pi for M252?
Posted by mattfong on Wed, 26 Jun 2002 16:03:19 GMT
View Forum Message <> Reply to Message

I've been plugging in the numbers for the JBL M252 in boxplot and pialign. Boxplot wants 13.99 cu ft and pialign wants 2.7 cuft. I have come to the conclusion that i could put them in either a theater 4pi box or stage 4pi box if tuned correctly. Other than an extended bass response is there any advantage for the larger cabinet? I noticed a rising response around 100hz of about 2-4 db in the smaller cab. Will this muddy the bass much if i use the stage 4pi box? I think if i have time i will make one box each and give a listen. Right now i have M252's in 3677 cabinets and they sound ok. Thinking of putting a 252 in a theater 4pi and run it with a PE 250wt plate for a sub., and put the M115s back in the 3677. Anyways just thinking about it. I have put some EV15bIIs in a 3.2 cab with PE 5x15 horn and selenium D205ti. They sounded to me a little layed back better soundstage with some midbass boom and not as much low bass when compare to the 3677/M252 combo. Wanted to get the 2226's but alas, I was not on the web Fathers day weekend. I am running both with 1.6k pi design xover with 10db compensation and zobel. Could you please send me plans for both the theater and stage 4pi.Thanks, Matt

Subject: You've got mail!
Posted by Wayne Parham on Wed, 26 Jun 2002 16:46:08 GMT
View Forum Message <> Reply to Message

I'll send you plans, but if you're not using the woofers shown in the designs, you should run PiAlign and use the box and port dimensions recommended for your particular woofer. I think others on this forum have done that for some of the tent sale system woofers.

Subject: M252s
Posted by dbeardsley on Thu, 27 Jun 2002 19:13:52 GMT
View Forum Message <> Reply to Message

I've used four of these woofers in a few different setups.. they aren't tuned super low (can't really get 20hz out of them at all), but they have a powerful motor and lots of xmax and perform very well in properly tuned cabinets.I built a electric bass cab for my friend. 5.3 cuft, tuned at 36hz. really nice sounding, f3 of 50zh and f10 of 30hz (only a 1db hump at 100hz), it really sounded good, and was within excursion limits at full power.I also have one each in a pair of 8cu ft sealed cabinets, which I'm going to tune to probably 33hz to give an f3 of 45hz and an f10 of 25hz. Only 6db down at 30hz.These woofers sound very nice. They go really high too. and are very smooth (small 1 or 2db humps at 4k) until they drop 10db at about 4.8khz and then there are breakup modes after that. Truly 99 - 100 db efficient though. They perform very nicely. I still have the

JBL pdf for them if you would like it.

Subject: Re: M252s
Posted by mattfong on Thu, 27 Jun 2002 20:18:50 GMT
View Forum Message <> Reply to Message

Hi debeardsley,Thank-you, I have the pdf. I was going to try these in a theater 4pi cabinet to see how they sound. 7.4 cuft tuned around 35hz. I think is saw your guitar cabinets on this site. Nice job. If they sound nice I'll keep them in for a quasi-4pi. Other options i am considering is 5 cuft cabs for PA sub reinforcement or try them in a pialign box of 2.7 cuft tuned to 35hz for PA. I guess i have a few options. Thanks for your input.Matt

---