Subject: Four Stage
Posted by beto1 on Mon, 05 Sep 2005 17:39:14 GMT
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Hi,can I use the Omega 18" in the four stage configuration? Of course, doing some litlle cabinet size modification. There is some guy who has do it?Thanks in advance,Beto

Subject: Re: Four Stage
Posted by Wayne Parham on Mon, 05 Sep 2005 21:07:09 GMT
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There's a larger cabinet designed for the Omega 18. I'll send plans if you're interested.

Subject: Re: Four Stage
Posted by beto1 on Mon, 05 Sep 2005 22:14:51 GMT
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Thank you Wayne.First, I will like to ask you about specifications for this Stage Four/18" and if this driver has the same behavior than the 15" model in my actual SET amp/3.5 meters throw but with more bass extension.I have some problems with the Eminece dealers because the Magnum model is out of stock and they only import 25 units minimum (Eminence require), so my options in this moments are JBL 2226, Omega 15 or 18 and KIlomax 15. Since you advice me that the better match will be the Omega or the JBL, I'm searching all the possible configurations.One more question: there is some important sonic difference between the tweeter horn in the box, actual bass reflex design and the horn on the top of the box (with the eminence driver/horn fixed with a bracket or with the eminence driver and the wood horn)?Thanks a lot in advance,Beto

Subject: Re: Four Stage
Posted by Matts on Mon, 05 Sep 2005 23:09:44 GMT
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I'm listening to the 15" Omega Stage 4 Pi's with 2A3's- not sure you woud need more bass....unless you have very large room and like pipe organ, or something....it wouldn't hurt, though, I guess...

Subject: Re: Four Stage
Posted by Wayne Parham on Tue, 06 Sep 2005 02:11:36 GMT
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The Omega 18 is designed to be used at a lower frequency range, and it requires a lower

the Omega 18 to a larger format compresson driver, that's something I did for a while. But that generally means you'll have to settle for less top end extension, or you'll have to use a very expensive compression driver like a TAD4001. I've found it is best to go with the midhorn and

Subject: Re: Four Stage
Posted by beto1 on Tue, 06 Sep 2005 03:03:27 GMT
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Ok.so as a 3 way system I can use the 18" with the omega 10" in the middle and the PSD2002 tweeter. You have designed this 3 way in one enclosure? or there is an alternative in two enclosures, one for the 18" sub bass, and the other for the mid and tweeter?Do you think that this 18" driver will need bigger rooms to fill? I guess that everybody wants bass extenssion, depending on the kind of music that one hear. With 40HZ I think, we will cover most kinds, but there is some, like organ, or some electronic music thats need the extra hz. I hear jazz and clasics (conteporary the most), but also have rocker blood in my veins, and like all kind of music.Also I'm searching for a 3 way bass reflex with the 15" driver, I supose that is a very similar enclosure.Thank you Wayne for share all this information with us, you are a very cool guy and apreciate too much your dedication.Regards,BetoBy the way, can you give the frequency ranga and the sensitivity for the 3 way bass reflex 18" omega's?

Subject: Re: Four Stage
Posted by beto1 on Tue, 06 Sep 2005 03:05:37 GMT
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Thank you Matts for your advice. Now I'm looking for all the posibilities before I buy the drivers. regards,beto

Subject: Re: Four Stage
Posted by Wayne Parham on Tue, 06 Sep 2005 03:36:17 GMT

I've designed several models of three-way systems with different midrange drivers. The Alpha 10, Delta 10 and JBL 2012 are suitable. For the tweeter, use the Eminence PSD2002 or JBL 2426. Woofers you can choose from include the Eminence Delta 12LF, Delta 15, Omega 15, Omega 18, Magnum 15HO, Magnum 18HO, JBL 2226 or 2241. There are other JBL models that will work too, as well as others from other manufacturers. But the ones I've listed above are those I've tested and optimized the crossover for. The woofers don't all use the same cabinet, but there are designs for each of them. Pick your drivers and I'll send you the plans.

Subject: Re: Four Stage
Posted by beto1 on Tue, 06 Sep 2005 14:53:35 GMT

O.K. Wayne, thanks for your post.Still I don't know if a 3 way speaker, based on the 18" driver, will works well in my room or if it need a bigger one. Also I will like to know about the sonics difference if the tweeter is in the enclosure or out, on the top.Thanks in advance,Beto

Subject: Re: Four Stage
Posted by Wayne Parham on Tue, 06 Sep 2005 21:58:50 GMT

In the three-way speakers, the tweeter is always on top. In the two-way speakers, if you move it to the top, as some have done, you should shift the midwoofer upward in the box to keep the distance between the two the same as if they were in the box.

Subject: THANK YOU , WAYNE!!!
Posted by beto1 on Tue, 06 Sep 2005 23:04:43 GMT

Thank you again, Wayne, I been learning a lot in this forum and with your vast knowledge.Best regards,Beto