Subject: eminence speaker
Posted by j.luis on Mon, 10 Sep 2007 22:44:46 GMT
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Hy Wayne .recently get a eminence 10 inch woofer model valtec 1510 that modeled in WinIsd and model identical to the Alpha 10A . Comparing the Qts , Vas,Xmax ,Qes ,are the same .The good news is that this new driver is indeed cheap I got mine here in Mexico in $ 14.50 usd against the alpha 10A several times its price .Do you know this model Wayne I certainly would like to model this woofer with your program but I have problems with zip encoded programs beside that I am a newbie regarding to speaker modeling software .Her are the Thiele-Small parameters =Fs 60 hz =(Re) 5.32 =(Qts) 6.0 =(Qes) 0.63 =(Qms) 12.83 =(Vas) 55.7 Lts = (Bl) 8.5 T-M =(Xmax) 3.5 mm = (EBP) 96 = (Xmech) 7 mm =(Pwr) 80 Wrms ..Thanks

Subject: Re: eminence speaker
Posted by Wayne Parham on Tue, 11 Sep 2007 13:31:57 GMT
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Great price for those speakers! PiAlign suggests 1.1ft3 tuned to 40Hz, which is in between the

with a port change to raise the Helmholtz frequency.

Subject: Re: eminence speaker
Posted by j.luis on Thu, 13 Sep 2007 15:41:36 GMT
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Hy .Wayne thanks for your answer when you say a port change to raise the Helmholtz frequency the port need to get smaller .thanks

Subject: Re: eminence speaker
Posted by Wayne Parham on Thu, 13 Sep 2007 18:49:47 GMT
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That's right. Smaller diameter, shorter length or both.Helmholtz Formula

Subject: Re: eminence speaker
Posted by dB on Sat, 15 Sep 2007 07:59:36 GMT
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Hi,I am not sure about accuracy, but here it is a site that looked pretty to me (in English and Metric units).
Helmholtz Resonance Calculator

Subject: Re: eminence speaker
Posted by Wayne Parham on Sat, 15 Sep 2007 15:37:36 GMT
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That's a handy link, thanks. It looks like the forumulas are slightly different, but they calculate

0.85, so the formula are very similar. One uses 0.8d for length offset and the other uses 0.85d.