Subject: Re: Beta 12LT in PiAlign'ed cabinet
Posted by Observator on Wed, 26 Sep 2001 14:10:37 GMT
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Hi Wayne,> PiAlign recommends a bass reflex cabinet of 2.4 cubic feet tuned to > 33.75Hz and having Q of 1.5. It recommends doing this using a 2.5" > diameter port that's 2.75" long, which is very close to a perfect > match - corresponding to Frd of 34.0Hz and Q of 1.56. I just verified this calculs and unfortunately this doesn't workfor me. In your whitepaper for the port calculation I read:Fre = 1/(2*pi)*(Ap/(Ve*Lc))^(1/2)If Dp=2.5 and Lp=2.75, then Lc= 4.87, if Dp=2.5 then Ap=pi*(Dp/2)^2 = 4.91,and then for Ve=2.4 i haveFre = 0.10312and not 33.75 Hz as you said.(Qe = 1.54 with no problem)What's wrong ?Thanks in advance,O'Tor