Subject: Wayne, your opinion please.
Posted by ToFo on Sat, 22 Jun 2002 23:17:27 GMT
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Wayne,If/when you have time, would you please look at these numbers for me? I want to know if you think this driver is suitable for Pi alignment, or is it crossing the line into mudmotor/loose woofer territory. I am not a sub fan but this is interresting. I would likely cross @ 70Hz to a kappa or omega 12" if I get these subs. (friend says box is too big, I told him to let me check it in boxplot before he bought them. Ha! now he wants to sell CHEAP!)Thanks,Thomas18" Eminence OEM SubwooferFs: 26.6 HzVas: 15.0 Cu. Ft.Re: 2.95Qms: 12.06Qes: .41Qts: 0.40Bl: 13.87SPL: 98 dB 2.83V/1mSd: 180.8 sq.in.Xmax: 7 mMms: 159.4Magnet weight: 90 oz.

Subject: PiAlign says...
Posted by Wayne Parham on Sun, 23 Jun 2002 16:22:37 GMT
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Using your numbers, Fts=26.6, Vas=15.0 and Qts=0.40, PiAlign values are Frd=26.6, Vad=15.0 and Qd=2.5. PiAlign suggests making a 6 cubic foot box tuned to 25Hz. For a bass-reflex cabinet, actual dimensions are 34" x 22" x 15" and with a rectangular port having inside dimensions of 3 15/16" x 6 15/16" x 14" long.The resulting system has a lower -3dB point of 40Hz and response down to this frequency is nice and smooth.

Subject: Thanks Wayne! (I must get comfortable with Pialign)
Posted by ToFo on Sun, 23 Jun 2002 16:35:45 GMT
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You are a huge help.Thomas