Subject: Bass cabinet recomendations - need tips
Posted by Undecided on Wed, 03 Jul 2002 20:12:33 GMT
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I'm building a sound system with four PHL 1120 midranges and a Raven2.0 tweeter per cabinet. I picked those drivers because I like thesound quality and efficiency. I'm worried about the bass guitar reproduction, I want qualitybass at high spl to mate with the above midrange/tweeters.Initial thoughts are to use a 15" or 18" prosound woofer in a sealedbox for good bass, but doing so I lose the low end response (20hz-30hz).So.. I don't mind building an additional subwoofer tocomplement the system for those home theater times when you wantto shake the intestines.. Is this the right choice or shouldI combine the woofer and subwoofer together ? Doing so, I probablyhave to sacrifice quality ?The last issue is the midbass. The midrange will probably be crossedover at 300-400hz so I need another driver to run between the woofer and midrange. Again, my initial thoughts are a prosound12" in a sealed box (f3 80-100hz). I plan to use a fully active crossover system for whole cabinet.Any thoughts on driver selection and box configuration ?My brain has odd ideas;Plan A = one tweeter, four midrange, one prosound 12 inch, oneprosound 18 inch in a sealed box (per channel). F3 probably 60hz.Plan B = Plan A plus a seperate subwoofer enclosure using a longthrow 18" subwoofer to complement the system. F3 probably 20hz. Plan C = Compromise, combine plan A and B and use the 18 inch in avented box to extend the low end from f3 60hz to maybe 35hz (heh)and lose transient response of a sealed box and lose 20hz capability?Plan D = Plan A minus the prosound 18 inch woofer.. Instead usea long throw 18 inch woofer in a vented box to reach 20hz. Make the12 inch midbass work a little harder perhaps cross them over between80-300hz and hope the bass quitar will sound good ?I'm limited to 10 cubic feet for the bass cabby.